

Administration REST API Guide

GroupWise® Software Developer Kit

October 2014

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Novell, Inc.
1800 South Novell Place
Provo, UT 84606
U.S.A.
www.novell.com

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About This Guide

GroupWise Administration API provides GroupWise developers with access to events and actions that occur at the GroupWise Administration console.

This guide contains the following sections:

- ♦ Chapter 1, “Overview,” on page 9
- ♦ Chapter 2, “Working with the GroupWise Administration Service,” on page 13
- ♦ Chapter 3, “Admin API Resources,” on page 15
- ♦ Appendix A, “Sample Requests and Responses,” on page 23
- ♦ Appendix B, “Invalid Characters,” on page 199

Audience

This guide is intended for GroupWise developers.

Feedback

We want to hear your comments and suggestions about this manual and the other documentation included with this product. Please use the *comment on this topic* feature at the bottom of each page of the online documentation.

Documentation Updates

For the most recent version of this guide, see the [Novell GroupWise 2014 \(https://www.novell.com/documentation/groupwise2014/\)](https://www.novell.com/documentation/groupwise2014/) Documentation website.

Additional Information

For the developer support postings for GroupWise, see the related [Developer Support Forums \(http://developer.novell.com/ndk/devforums.htm\)](http://developer.novell.com/ndk/devforums.htm)

Documentation Conventions

In Novell documentation, a greater-than symbol (>) is used to separate actions within a step and items in a cross-reference path.

1 Overview

In order for the GroupWise Administration console to be available, the GroupWise Administration service must be running. The GroupWise Administration API provides GroupWise developers with access to events and actions that occur at the GroupWise Administration console. The GroupWise Administration API uses Representational State Transfer (REST) architectural principals.

- ♦ [Section 1.1, “Information Resources,” on page 9](#)
- ♦ [Section 1.2, “GroupWise Administration Architecture,” on page 10](#)
- ♦ [Section 1.3, “GroupWise Admin Console,” on page 10](#)
- ♦ [Section 1.4, “GroupWise Admin API,” on page 11](#)
- ♦ [Section 1.5, “Directory Independence for Your GroupWise System,” on page 11](#)
- ♦ [Section 1.6, “Sample Code for the Admin API,” on page 12](#)
- ♦ [Section 1.7, “Supported and Recommended GroupWise APIs,” on page 12](#)

1.1 Information Resources

Before working with the GroupWise Admin API, you should be familiar with the following sources of information:

- ♦ [Novell Developer Forum \(http://forums.novell.com/forum.php\)](http://forums.novell.com/forum.php)
- ♦ [GroupWise 2014 Documentation website \(https://www.novell.com/documentation/groupwise2014/\)](https://www.novell.com/documentation/groupwise2014/)
- ♦ [REST \(http://en.wikipedia.org/wiki/REST\)](http://en.wikipedia.org/wiki/REST)
- ♦ [JSON \(http://www.json.org\)](http://www.json.org)
- ♦ [jQuery \(http://jquery.com\)](http://jquery.com)
- ♦ [AJAX \(http://api.jquery.com/jquery.ajax\)](http://api.jquery.com/jquery.ajax)
- ♦ [Jersey \(http://jersey.java.net\)](http://jersey.java.net)
- ♦ [Maven \(http://maven.apache.org\)](http://maven.apache.org)
- ♦ [Open API Interface \(http://en.wikipedia.org/wiki/Open_API\)](http://en.wikipedia.org/wiki/Open_API)
- ♦ [CRUD Operations \(http://en.wikipedia.org/wiki/Create,_read,_update_and_delete\)](http://en.wikipedia.org/wiki/Create,_read,_update_and_delete)
- ♦ [Token-based Authentication \(http://en.wikipedia.org/wiki/Security_token\)](http://en.wikipedia.org/wiki/Security_token)

1.2 GroupWise Administration Architecture

Starting in GroupWise 2014, the GroupWise Admin service provides the GroupWise Admin console for managing your GroupWise system. The GroupWise Admin console replaces ConsoleOne, which was the GroupWise administration tool for earlier versions of GroupWise.

The GroupWise Admin service is automatically installed on each server where you create domains and post offices and install the GroupWise agents:

- ♦ Message Transfer Agent (MTA)
- ♦ Post Office Agent (POA)
- ♦ Document Viewer Agent (DVA)
- ♦ Internet Agent (GWIA)
- ♦ Monitor Agent

Because GroupWise administration is handled by a web service, you can access it from your web browser. You do not need to be on a specific machine where specific administration software has been installed. You do not need drive mappings to servers throughout your GroupWise system.

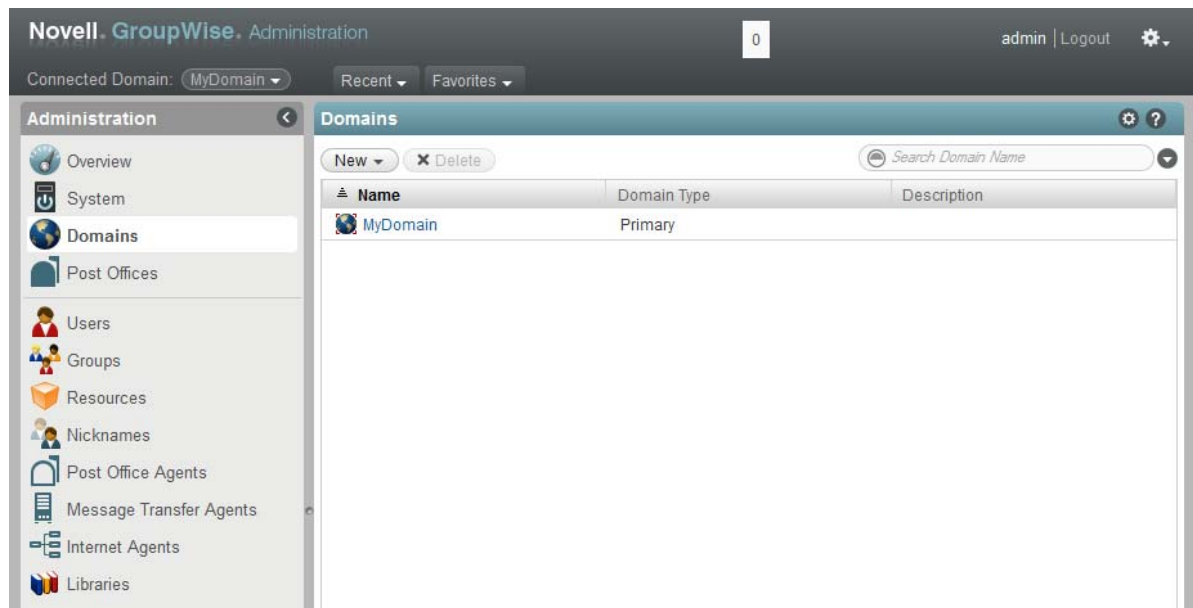
1.3 GroupWise Admin Console

The GroupWise agents have long had web consoles. The web-based GroupWise 2014 Admin console now provides all required administration functionality that was provided by ConsoleOne in earlier versions of GroupWise.

The GroupWise Admin console is available at the following URL:

`https://ip_address:9710/gwadmin-console`

After you log in, the Admin console appears:



The *GroupWise 2014 Administration Guide* (https://www.novell.com/documentation/groupwise2014/gw2014_guide_admin/data/admin_front.html) details how to use the GroupWise Admin console to manage your GroupWise system.

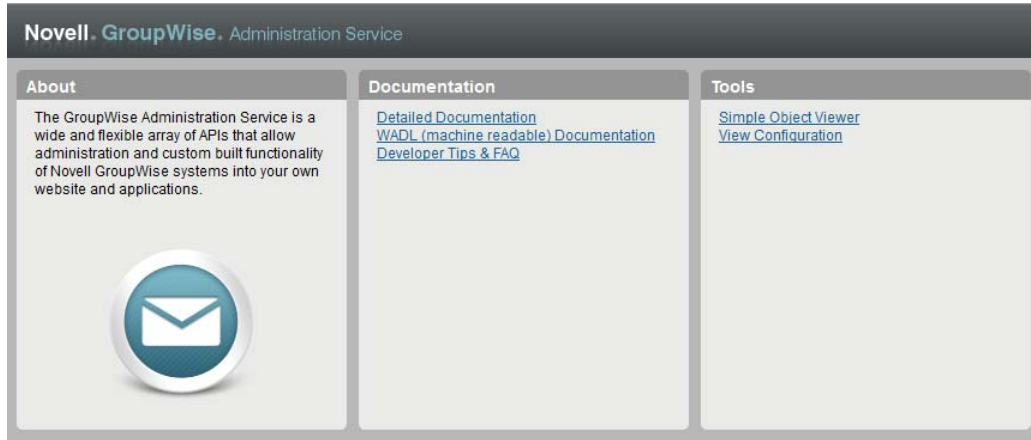
1.4 GroupWise Admin API

The GroupWise 2014 Admin API provides you with access to events and actions that occur at the GroupWise Admin console.

The Admin API is available at the following URL:

`https://server_address:9999/gw-api`

The main Admin API page appears:



This guide details how to use the Admin API to customize GroupWise administration. In addition, online documentation located on each GroupWise server provides a complete list of Admin API resources through the *Detailed Documentation* links on the Admin API page.

1.5 Directory Independence for Your GroupWise System

Versions of GroupWise before GroupWise 2014 were dependent on NetIQ eDirectory for the storage of object data. GroupWise 2014 can store all its object data internally (using no external directory service), or it can be configured to integrate with NetIQ eDirectory, Microsoft Active Directory, or any other LDAP directory service.

When you initially install GroupWise 2014, it is not configured to integrate with any directory service. When you update from an earlier version of GroupWise, you can configure GroupWise 2014 to continue to integrate with eDirectory, or you can configure it differently as needed.

Although GroupWise can be configured to not use a directory service, directory services have advantages:

- ◆ User information such as login credentials can be accessed by GroupWise as well as by other user applications across your network.
- ◆ Administrative roles can be defined so that GroupWise administrators can be authorized to perform various subsets of administrative tasks.

If you choose to use a directory service with GroupWise, object data can be synchronized from the directory service to GroupWise as needed. Synchronization from GroupWise to the directory service is not yet available in GroupWise 2014.

1.6 Sample Code for the Admin API

Two Readmes help you use the sample code that is available for the Admin API:

- ♦ GroupWise Admin SDK Readme (`gwsdk_gwadminweb_readme.txt`)

The SDK Readme covers the documentation and sample code that is included in the SDK.

- ♦ GroupWise Admin API Sample Code Readme (`readme.txt`)

The API Sample Code Readme is located in the `docs` subdirectory of the SDK download. It covers system requirements and instructions for working with the sample code.

[Appendix A, “Sample Requests and Responses,” on page 23](#) provides detailed examples of JSON and XML requests and responses:

- ♦ [“Samples by GroupWise Object” on page 23](#)
- ♦ [“Samples by Task” on page 25](#)

1.7 Supported and Recommended GroupWise APIs

- ♦ The GroupWise 2014 Administration (REST) API is fully supported for use with GroupWise 2014 and beyond.
- ♦ The [GroupWise Web Service \(SOAP\) API](#) is fully supported for use with GroupWise 2014 and beyond.

It is also supported with GroupWise 2012 and GroupWise 8.

- ♦ The [GroupWise Administration Object API](#) is no longer supported and has limited application in GroupWise 2014.

As long as existing eDirectory objects are still present, the Admin Object API will continue to work with GroupWise 2014. We recommend moving to the new GroupWise 2014 Administration (REST) API. The capabilities provided by the legacy Admin Object API are provided much more effectively by the Administration (REST) API and the Web Service (SOAP) API.

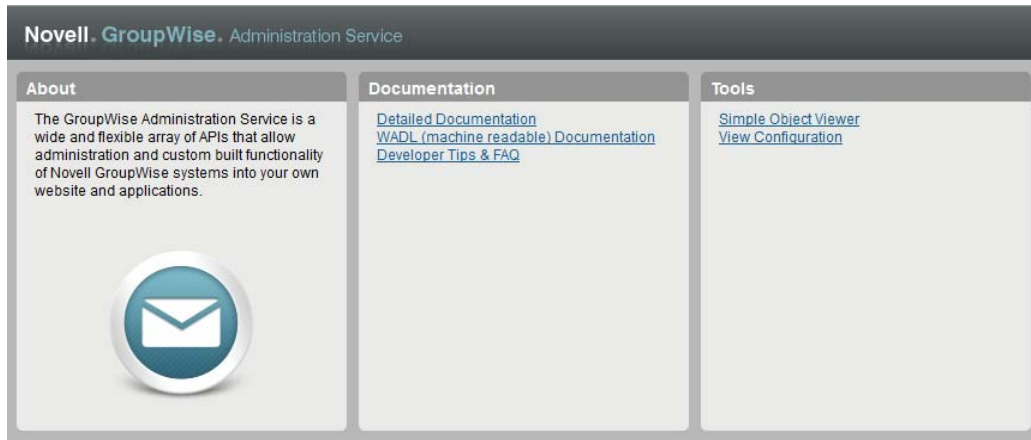
2 Working with the GroupWise Administration Service

The GroupWise Administration service is installed and configured wherever you install the GroupWise agents. For system requirements and installation instructions, see the *GroupWise 2014 Installation Guide* (https://www.novell.com/documentation/groupwise2014/gw2014_guide_install/data/inst_front.html).

3 Admin API Resources

Documentation for the GroupWise Admin API is available on the server where the Admin service is installed:

`https://server_address:9999/gwadmin-service`



The *Detailed Documentation* link provides a complete resources listing of the APIs available.

IMPORTANT: Refer to the listing displayed on your GroupWise server for the most current information. The information in this guide might not be as current as the information available on your GroupWise server.

The Admin API provides the following API resources:

- ♦ [Section 3.1, "API,"](#) on page 16
- ♦ [Section 3.2, "Application,"](#) on page 16
- ♦ [Section 3.3, "Async,"](#) on page 16
- ♦ [Section 3.4, "Diagnostics,"](#) on page 16
- ♦ [Section 3.5, "Domains,"](#) on page 16
- ♦ [Section 3.6, "Node,"](#) on page 20
- ♦ [Section 3.7, "Object,"](#) on page 20
- ♦ [Section 3.8, "Prefs,"](#) on page 20
- ♦ [Section 3.9, "System,"](#) on page 21

3.1 API

Click a link to access the auto-generated documentation for the selected API resource. Close the auto-generated documentation to return to this guide.

- ◆ [gadmin-service](#)
- ◆ [gadmin-service/list/{type}](#)
- ◆ [gadmin-service/list/{type}/{base}](#)

3.2 Application

Click a link to access the auto-generated documentation for the selected API resource. Close the auto-generated documentation to return to this guide.

- ◆ [gadmin-service/application](#)

3.3 Async

Click a link to access the auto-generated documentation for the selected API resource. Close the auto-generated documentation to return to this guide.

- ◆ [gadmin-service/async](#)
- ◆ [gadmin-service/async/{id}](#)

3.4 Diagnostics

Click a link to access the auto-generated documentation for the selected API resource. Close the auto-generated documentation to return to this guide.

- ◆ [gadmin-service/diagnostics](#)
- ◆ [gadmin-service/diagnostics/attributes](#)
- ◆ [gadmin-service/diagnostics/index](#)
- ◆ [gadmin-service/diagnostics/index/{index}](#)
- ◆ [gadmin-service/diagnostics/object/{id}](#)

3.5 Domains

Click a link to access the auto-generated documentation for the selected API resource. Close the auto-generated documentation to return to this guide.

- ◆ [gadmin-service/domains](#)
- ◆ [gadmin-service/domains/{domain}](#)
- ◆ [gadmin-service/domains/{domain}/addressbook/fields](#)
- ◆ [gadmin-service/domains/{domain}/addressbook/labels](#)
- ◆ [gadmin-service/domains/{domain}/addressbook/labels/{field}](#)
- ◆ [gadmin-service/domains/{domain}/addressbook/view](#)

- ◆ gwadmin-service/domains/{domain}/administrator
- ◆ gwadmin-service/domains/{domain}/clientoptions?attrs
- ◆ gwadmin-service/domains/{domain}/customaddresses
- ◆ gwadmin-service/domains/{domain}/customaddresses/test
- ◆ gwadmin-service/domains/{domain}/gatewaysubdirs
- ◆ gwadmin-service/domains/{domain}/info
- ◆ gwadmin-service/domains/{domain}/links
- ◆ gwadmin-service/domains/{domain}/links/{link}
- ◆ gwadmin-service/domains/{domain}/rebuild
- ◆ gwadmin-service/domains/{domain}/refaccesscontrols
- ◆ gwadmin-service/domains/attributes
- ◆ gwadmin-service/domains/{domain}/gateways
- ◆ gwadmin-service/domains/{domain}/gateways/{gateway}
- ◆ gwadmin-service/domains/{domain}/gateways/{gateway}/administrators
- ◆ gwadmin-service/domains/{domain}/gateways/{gateway}/administrators/{id}
- ◆ gwadmin-service/domains/{domain}/gateways/{gateway}/aliases
- ◆ gwadmin-service/domains/{domain}/gateways/{gateway}/classofservice
- ◆ gwadmin-service/domains/{domain}/gateways/{gateway}/classofservice/{cosname}
- ◆ gwadmin-service/domains/{domain}/gateways/{gateway}/classofservice/{cosname}/members
- ◆ gwadmin-service/domains/{domain}/gateways/{gateway}/classofservice/{cosname}/members/{member}
- ◆ gwadmin-service/domains/{domain}/gateways/{gateway}/recoverDb
- ◆ gwadmin-service/domains/{domain}/gateways/{gateway}/smtprelayallowexception
- ◆ gwadmin-service/domains/{domain}/gateways/{gateway}/smtprelayallowexception/{fromUrl}/{toUrl}
- ◆ gwadmin-service/domains/{domain}/gateways/{gateway}/smtprelaypreventexception
- ◆ gwadmin-service/domains/{domain}/gateways/{gateway}/smtprelaypreventexception/{fromUrl}/{toUrl}
- ◆ gwadmin-service/domains/{domain}/gateways/{gateway}/validateDb
- ◆ gwadmin-service/domains/{domain}/mta
- ◆ gwadmin-service/domains/{domain}/mta/manage
- ◆ gwadmin-service/domains/{domain}/mta/refevents
- ◆ gwadmin-service/domains/{domain}/mta/refevents/{eventName}
- ◆ gwadmin-service/domains/{domain}/postoffices
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/aliases
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/aliases/{type}
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/bumpclientupdate
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/clientoptions?attrs
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/info
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/maintenance

- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/maintenance/load
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/maintenance/save
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/rebuild
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/refaccesscontrols
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/refldapservers
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/synchronize
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/synchronizetext
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/timestamp
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/groups
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/groups/{group}
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/groups/{group}/emailaddresses
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/groups/{group}/groupmemberships
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/groups/{group}/groupmemberships/{groupid}
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/groups/{group}/info
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/groups/{group}/members
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/groups/{group}/members/{member}
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/groups/{group}/nicknames
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/groups/{group}/refaccesscontrols
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/groups/{oldgroup}/rename/{newgroup}
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/libraries
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/libraries/{library}
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/libraries/{library}/accessrights
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/libraries/{library}/accessrights/{userid}
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/libraries/{library}/enabledstorageareas
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/libraries/{library}/enabledstorageareas/
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/libraries/{library}/enabledstorageareas/{area}
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/libraries/{library}/info
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/libraries/{library}/maintenance
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/libraries/{library}/maintenance/load
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/libraries/{library}/maintenance/save
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/libraries/{library}/storageareas
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/libraries/{library}/storageareas/{area}

- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/nicknames
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/nicknames/{nickname}
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/nicknames/{nickname}/info
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/poas
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/poas/{poa}
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/poas/{poa}/manage
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/poas/{poa}/refeverts
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/poas/{poa}/refeverts/{eventName}
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/resources
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/resources/{resource}
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/resources/{resource}/clientoptions
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/resources/{resource}/emailaddresses
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/resources/{resource}/groupmemberships
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/resources/{resource}/groupmemberships/{groupid}
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/resources/{resource}/info
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/resources/{resource}/maintenance
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/resources/{resource}/maintenance/load
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/resources/{resource}/maintenance/save
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/resources/{resource}/nicknames
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/resources/{resource}/restorearea
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/resources/{resource}/restoremailbox
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/syncontexts
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/syncontexts/{context}/synchronize
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/syncontexts/{context}/synchronizetext
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/syncontexts/{syncontext}
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/syncontexts/{synserver}
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/users
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/users/{user}
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/users/{user}/administeredgroups
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/users/{user}/administeredgroups/{group}
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/users/{user}/aliases
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/users/{user}/aliases/{type}
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/users/{user}/clientoptions
- ◆ gwadmin-service/domains/{domain}/postoffices/{postoffice}/users/{user}/emailaddresses

- ◆ [gadmin-service/domains/{domain}/postoffices/{postoffice}/users/{user}/groupmemberships](#)
- ◆ [gadmin-service/domains/{domain}/postoffices/{postoffice}/users/{user}/groupmemberships/{groupid}](#)
- ◆ [gadmin-service/domains/{domain}/postoffices/{postoffice}/users/{user}/info](#)
- ◆ [gadmin-service/domains/{domain}/postoffices/{postoffice}/users/{user}/maintenance](#)
- ◆ [gadmin-service/domains/{domain}/postoffices/{postoffice}/users/{user}/maintenance/load](#)
- ◆ [gadmin-service/domains/{domain}/postoffices/{postoffice}/users/{user}/maintenance/save](#)
- ◆ [gadmin-service/domains/{domain}/postoffices/{postoffice}/users/{user}/nicknames](#)
- ◆ [gadmin-service/domains/{domain}/postoffices/{postoffice}/users/{user}/resources](#)
- ◆ [gadmin-service/domains/{domain}/postoffices/{postoffice}/users/{user}/restorearea](#)
- ◆ [gadmin-service/domains/{domain}/postoffices/{postoffice}/users/{user}/restoremailbox](#)
- ◆ [gadmin-service/domains/{domain}/postoffices/{postoffice}/users/{user}/synchronize](#)
- ◆ [gadmin-service/domains/{domain}/postoffices/{postoffice}/users/{user}/synchronizetext](#)

3.6 Node

Click a link to access the auto-generated documentation for the selected API resource. Close the auto-generated documentation to return to this guide.

- ◆ [gadmin-service/node](#)
- ◆ [gadmin-service/node/config](#)
- ◆ [gadmin-service/node/defaulttimezones](#)
- ◆ [gadmin-service/node/localadmins-services](#)
- ◆ [gadmin-service/node/managebrowse](#)
- ◆ [gadmin-service/node/manageservice](#)
- ◆ [gadmin-service/node/manageuploads](#)

3.7 Object

Click a link to access the auto-generated documentation for the selected API resource. Close the auto-generated documentation to return to this guide.

- ◆ [gadmin-service/object](#)
- ◆ [gadmin-service/object/{id}](#)

3.8 Prefs

Click a link to access the auto-generated documentation for the selected API resource. Close the auto-generated documentation to return to this guide.

- ◆ [gadmin-service/prefs](#)
- ◆ [gadmin-service/prefs/{group}](#)
- ◆ [gadmin-service/prefs/{group}/{name}](#)

3.9 System

Click a link to access the auto-generated documentation for the selected API resource. Close the auto-generated documentation to return to this guide.

- ◆ [gwadmin-service/system](#)
- ◆ [gwadmin-service/system/connecteddomain](#)
- ◆ [gwadmin-service/system/defaulttimezones](#)
- ◆ [gwadmin-service/system/expired](#)
- ◆ [gwadmin-service/system/info](#)
- ◆ [gwadmin-service/system/languages](#)
- ◆ [gwadmin-service/system/list/columns/{listId}](#)
- ◆ [gwadmin-service/system/localelanguagedescription](#)
- ◆ [gwadmin-service/system/login](#)
- ◆ [gwadmin-service/system/login/{path}](#)
- ◆ [gwadmin-service/system/logout](#)
- ◆ [gwadmin-service/system/pending](#)
- ◆ [gwadmin-service/system/pending/{id}](#)
- ◆ [gwadmin-service/system/platforms](#)
- ◆ [gwadmin-service/system/recoverconnection](#)
- ◆ [gwadmin-service/system/recoverconnection/{connectionid}](#)
- ◆ [gwadmin-service/system/recoverconnection/{connectionid}/{accountid}](#)
- ◆ [gwadmin-service/system/recoverconnection/{connectionid}/resource/{resource}](#)
- ◆ [gwadmin-service/system/recoverconnection/{connectionid}/resources](#)
- ◆ [gwadmin-service/system/recoverconnection/{connectionid}/user/{user}](#)
- ◆ [gwadmin-service/system/recoverconnection/{connectionid}/users](#)
- ◆ [gwadmin-service/system/refaccesscontrols](#)
- ◆ [gwadmin-service/system/userbyemail/{email}](#)
- ◆ [gwadmin-service/system/adminservices](#)
- ◆ [gwadmin-service/system/adminservices/{adminservice}](#)
- ◆ [gwadmin-service/system/adminservices/{adminservice}/certificates](#)
- ◆ [gwadmin-service/system/adminservices/{adminservice}/certificates/{filename}](#)
- ◆ [gwadmin-service/system/adminservices/{adminservice}/config](#)
- ◆ [gwadmin-service/system/adminservices/{adminservice}/files](#)
- ◆ [gwadmin-service/system/adminservices/{adminservice}/files/{root}](#)
- ◆ [gwadmin-service/system/adminservices/{adminservice}/files/{root}/{folders : .+}](#)
- ◆ [gwadmin-service/system/adminservices/{adminservice}/manage](#)
- ◆ [gwadmin-service/system/adminservices/{adminservice}/refdomain](#)
- ◆ [gwadmin-service/system/adminservices/{adminservice}/refpostoffices](#)
- ◆ [gwadmin-service/system/calpubhosts](#)
- ◆ [gwadmin-service/system/calpubhosts/{calPubHost}](#)

- ◆ gwadmin-service/system/customaddresses
- ◆ gwadmin-service/system/customaddresses/{customAddress}
- ◆ gwadmin-service/system/customaddresses/{customAddress}/associate/{domain}
- ◆ gwadmin-service/system/customaddresses/{customAddress}/test
- ◆ gwadmin-service/system/customaddresses/test
- ◆ gwadmin-service/system/globalsignatures
- ◆ gwadmin-service/system/globalsignatures/{name}
- ◆ gwadmin-service/system/internetdomains
- ◆ gwadmin-service/system/internetdomains/{internetdomain}
- ◆ gwadmin-service/system/ldapservers
- ◆ gwadmin-service/system/ldapservers/{ldapservers}
- ◆ gwadmin-service/system/ldapservers/{ldapservers}/refpostoffices
- ◆ gwadmin-service/system/moverequests
- ◆ gwadmin-service/system/moverequests/{id}
- ◆ gwadmin-service/system/moverequests/{id}/actions
- ◆ gwadmin-service/system/moverequests/{id}/pending
- ◆ gwadmin-service/system/restoreareas
- ◆ gwadmin-service/system/restoreareas/{area}
- ◆ gwadmin-service/system/restoreareas/{area}/membership
- ◆ gwadmin-service/system/restoreareas/{area}/membership/{member}
- ◆ gwadmin-service/system/scheduledeventactions
- ◆ gwadmin-service/system/scheduledeventactions/{actionName}
- ◆ gwadmin-service/system/scheduledevents
- ◆ gwadmin-service/system/scheduledevents/{eventName}
- ◆ gwadmin-service/system/scheduledevents/{eventName}/actions
- ◆ gwadmin-service/system/scheduledevents/{eventName}/actions/{actionName}
- ◆ gwadmin-service/system/softwareareas
- ◆ gwadmin-service/system/softwareareas/{area}
- ◆ gwadmin-service/system/softwareareas/{area}/update
- ◆ gwadmin-service/system/syncservers
- ◆ gwadmin-service/system/syncservers/{syncserver}
- ◆ gwadmin-service/system/syncservers/{syncserver}/schema
- ◆ gwadmin-service/system/syncservers/{syncserver}/schema/group
- ◆ gwadmin-service/system/timezones
- ◆ gwadmin-service/system/timezones/{timezone}
- ◆ gwadmin-service/system/trustedapps
- ◆ gwadmin-service/system/trustedapps/{trustedapp}

A Sample Requests and Responses

Samples by GroupWise Object

GroupWise Objects	Tasks
♦ GroupWise system	Requesting Statistical Information about the GroupWise System Requesting Configuration Information about the GroupWise System
♦ Domains	Requesting a List of Domains in the GroupWise System Requesting Configuration Information about a Domain Finding a Domain by Name Finding a Domain by Type
♦ Post offices	Requesting a List of Post Offices in a Domain Finding a Post Office
♦ Users	Requesting a List of Users in the GroupWise System Requesting a List of Users in the GroupWise System Using a Wildcard Character Requesting a List of Users in a Domain Requesting a List of Users in a Post Office Requesting a List of User Attributes Creating a GroupWise User Creating an External User Adding a Member to a Group Renaming a User Moving Users to a Different Post Office Finding a User in the GroupWise System Finding a User in a Domain Finding a User in a Post Office Requesting a List of Group Memberships for a User Requesting a List of Nicknames for a User Requesting a List of Resources That a User Owns Requesting the Client Options for a User

GroupWise Objects

Tasks

- ◆ Groups
 - Requesting a List of Groups in the GroupWise System
 - Requesting a List of Groups in a Domain
 - Requesting a List of Groups in a Post Office
 - Requesting a List of Group Memberships for a User
 - Requesting an Access Control List for a Group
 - Creating a GroupWise Group
 - Adding a Member to a Group
 - Updating the Participation of a Member of a Group
 - Moving a Group to a Different Post Office
 - Performing a Batch Operation to Add Members to a Group
 - Performing a Batch Operation to Modify Members of a Group
 - Performing a Batch Operation to Add ACL Members to a Group
 - Performing a Batch Operation to Modify Members of a Group
- ◆ Resources
 - Requesting a List of Resources in the GroupWise System
 - Requesting a List of Resources in a Domain
 - Requesting a List of Resources in a Post Office
 - Requesting a List of Resources That a User Owns
 - Creating a GroupWise Resource
 - Moving a Resource to a Different Post Office
- ◆ Nicknames
 - Requesting a List of Nicknames in the GroupWise System
 - Requesting a List of Nicknames in a Domain
 - Requesting a List of Nicknames in a Post Office
 - Requesting a List of Nicknames for a User
 - Creating a GroupWise Nickname
- ◆ Agents
 - Requesting Configuration Information about an MTA
 - Requesting Configuration Information about a POA
- ◆ Trusted applications
 - Creating a Trusted Application Record
 - Updating a Trusted Application Record
 - Deleting a Trusted Application Record

Samples by Task

Tasks	Related GroupWise Objects
♦ Requesting a list	Requesting a List of Domains in the GroupWise System Requesting a List of Post Offices in a Domain Requesting a List of Users in the GroupWise System Requesting a List of Users in the GroupWise System Using a Wildcard Character Requesting a List of Users in a Domain Requesting a List of Users in a Post Office Requesting a List of User Attributes Requesting a List of Groups in the GroupWise System Requesting a List of Groups in a Domain Requesting a List of Groups in a Post Office Requesting a List of Group Memberships for a User Requesting an Access Control List for a Group Requesting a List of Resources in the GroupWise System Requesting a List of Resources in a Domain Requesting a List of Resources in a Post Office Requesting a List of Resources That a User Owns Requesting a List of Nicknames in the GroupWise System Requesting a List of Nicknames in a Domain Requesting a List of Nicknames in a Post Office Requesting a List of Nicknames for a User Requesting Configuration Information about a POA
♦ Requesting information	Requesting Statistical Information about the GroupWise System Requesting Configuration Information about the GroupWise System Requesting Configuration Information about a Domain Requesting Configuration Information about an MTA Requesting the Client Options for a User
♦ Creating	Creating a GroupWise User Creating an External User Creating a GroupWise Group Creating a GroupWise Resource Creating a GroupWise Nickname Creating a Trusted Application Record
♦ Renaming	Renaming a User
♦ Finding	Finding a Domain by Name Finding a Domain by Type Finding a Post Office Finding a User in the GroupWise System Finding a User in a Domain Finding a User in a Post Office
♦ Moving	Moving Users to a Different Post Office Moving a Group to a Different Post Office Moving a Resource to a Different Post Office

Tasks	Related GroupWise Objects
<ul style="list-style-type: none"> ◆ Deleting 	<ul style="list-style-type: none"> Deleting a User from the GroupWise System Deleting a User That Owns Resources from the GroupWise System Deleting a User That Has Been Moved from the GroupWise System Deleting a Group from the GroupWise System Deleting a Member from a Group Deleting a Resource from the GroupWise System Deleting a Nickname from the GroupWise System
<ul style="list-style-type: none"> ◆ Modifying Client Options 	<ul style="list-style-type: none"> Requesting the Client Options for a User Updating the Client Options of a User Setting the GroupWise Password of a User Clearing the GroupWise Password of a User Restoring the Compose Views of a User Modifying the Send Priority Settings of a User Modifying the Calendar Settings of a User Modifying the Alarm Settings of a User Disabling and Locking the Publish Free Busy Setting of a User Enabling the Vibe Access and Configuring the Vibe URL of a User
<ul style="list-style-type: none"> ◆ Working with double-byte characters 	<ul style="list-style-type: none"> Creating a GroupWise User with Chinese Characters in the Last Name Updating a User's First Name That Has Chinese Characters Finding a User's Last Name That Has Chinese Characters
<ul style="list-style-type: none"> ◆ Performing batch operations 	<ul style="list-style-type: none"> Performing a Batch Operation to Add Members to a Group Performing a Batch Operation to Modify Members of a Group Performing a Batch Operation to Add ACL Members to a Group Performing a Batch Operation to Modify Members of a Group

A.1 Requesting a List of Domains in the GroupWise System

Request:
GET https://localhost:9999/gwadmin-service/domains

Response Status:
200 - OK

JSON Response:

```
[
  {
    "id" : "DOMAIN.testDom1",
    "guid" : "BC755C40-086F-0000-AE24-CEFE66AF19D4",
    "name" : "testDom1",
    "links" : null,
    "timeCreated" : null,
    "timeLastMod" : 1370885999000,
    "legacyDn" : null,
    "lastModifiedBy" : "Unknown admin",
    "lastModifiedOp" : "ADD",
    "pendingOp" : null,
    "allowedAddressFormats" : null,
    "addressBookView" : null,
    "alternateInternetAgentName" : null,
    "enableICalBrowse" : null,
    "databaseVersion" : null,
    "defaultInternetAgentName" : null,
    "defaultWebAccess" : null,
    "description" : null,
  }
]
```

```

"directoryName" : null,
"directorySyncDomainName" : "testDom1",
"domainRebuildCount" : 0,
"domainType" : "PRIMARY",
"domainVersion" : 1212,
"externalSync" : null,
"fileId" : "tesf6f",
"gwId" : null,
"hideUserComments" : null,
"internetDomainName" : null,
"language" : "English - US",
"languageId" : "0",
"linkedDomainName" : null,
"lockoutOldAdmin" : null,
"minimumAdminReleaseDate" : null,
"minimumAdminVersion" : null,
"platform" : null,
"preferredAddressFormat" : null,
"timezone" : "(GMT-07:00) Mountain Time (US & Canada)",
"timezoneId" : "MST",
"path" : "C:\\Novell\\GroupWise\\testDomain1\\",
"adminChanges" : null,
"mtaAddress" : null,
"mtaMtpPort" : null,
"mtaHttpPort" : null,
"mtaAdminPort" : null,
"remoteCreation" : null,
"notifyUser" : null,
"clearNotifyUser" : false,
"connected" : true,
"@type" : "domain",
"@url" : "/gwadmin-service/domains/testDom1"
}, {
  "id" : "DOMAIN.testDom2",
  "guid" : "5FC6CEE0-08FE-0000-8A08-5BB4E7C4BAB9",
  "name" : "testDom2",
  "links" : null,
  "timeCreated" : 1370968862000,
  "timeLastMod" : 1370968863000,
  "legacyDn" : null,
  "lastModifiedBy" : "Unknown admin",
  "lastModifiedOp" : "MODIFY",
  "pendingOp" : "MODIFY",
  "allowedAddressFormats" : null,
  "addressBookView" : null,
  "alternateInternetAgentName" : null,
  "enableICalBrowse" : null,
  "databaseVersion" : null,
  "defaultInternetAgentName" : null,
  "defaultWebAccess" : null,
  "description" : null,
  "directoryName" : null,
  "directorySyncDomainName" : "testDom2",
  "domainRebuildCount" : 1,
  "domainType" : "SECONDARY",
  "domainVersion" : 1212,
  "externalSync" : null,
  "fileId" : "tesfebe",
  "gwId" : null,
  "hideUserComments" : null,
  "internetDomainName" : null,
  "language" : "English - US",
  "languageId" : "0",
  "linkedDomainName" : null,
  "lockoutOldAdmin" : null,
  "minimumAdminReleaseDate" : null,
  "minimumAdminVersion" : null,
  "platform" : null,
  "preferredAddressFormat" : null,
  "timezone" : "(GMT-07:00) Mountain Time (US & Canada)",

```

```

"timezoneId" : "MST",
"path" : "C:\\Novell\\GroupWise\\testDomain2",
"adminChanges" : null,
"mtaAddress" : null,
"mtaMtpPort" : null,
"mtaHttpPort" : null,
"mtaAdminPort" : null,
"remoteCreation" : null,
"notifyUser" : null,
"clearNotifyUser" : false,
"connected" : false,
"@type" : "domain",
"@url" : "/gwadmin-service/domains/testDom2"
}, {
  "id" : "DOMAIN.testExtDom1",
  "guid" : "7F95C180-0904-0000-8A08-C421ECE16D93",
  "name" : "testExtDom1",
  "links" : null,
  "timeCreated" : 1370971492000,
  "timeLastMod" : 1370971492000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "allowedAddressFormats" : null,
  "addressBookView" : null,
  "alternateInternetAgentName" : null,
  "enableICalBrowse" : null,
  "databaseVersion" : null,
  "defaultInternetAgentName" : null,
  "defaultWebAccess" : null,
  "description" : null,
  "directoryName" : null,
  "directorySyncDomainName" : "testExtDom1",
  "domainRebuildCount" : 0,
  "domainType" : "EXTERNAL_GROUPWISE",
  "domainVersion" : 1212,
  "externalSync" : null,
  "fileId" : "tes904",
  "gwId" : null,
  "hideUserComments" : null,
  "internetDomainName" : null,
  "language" : "English - US",
  "languageId" : "0",
  "linkedDomainName" : null,
  "lockoutOldAdmin" : null,
  "minimumAdminReleaseDate" : null,
  "minimumAdminVersion" : null,
  "platform" : null,
  "preferredAddressFormat" : null,
  "timezone" : "(GMT-07:00) Mountain Time (US & Canada)",
  "timezoneId" : "MST",
  "path" : null,
  "adminChanges" : null,
  "mtaAddress" : null,
  "mtaMtpPort" : null,
  "mtaHttpPort" : null,
  "mtaAdminPort" : null,
  "remoteCreation" : null,
  "notifyUser" : null,
  "clearNotifyUser" : false,
  "connected" : false,
  "@type" : "domain",
  "@url" : "/gwadmin-service/domains/testExtDom1"
} ]

```

XML Response:

```

<list>
  <domain>
    <id>DOMAIN.testDom1</id>

```

```

<guid>BC755C40-086F-0000-AE24-CEFE66AF19D4</guid>
<name>testDom1</name>
<objType>domain</objType>
<url>/gwadmin-service/domains/testDom1</url>
<timeLastMod>1370885999000</timeLastMod>
<lastModifiedBy>Unknown admin</lastModifiedBy>
<lastModifiedOp>ADD</lastModifiedOp>
<forceNullOnAttrs/>
<directorySyncDomainName>testDom1</directorySyncDomainName>
<domainRebuildCount>0</domainRebuildCount>
<domainType>PRIMARY</domainType>
<domainVersion>1212</domainVersion>
<fileId>tesf6f</fileId>
<language>English - US</language>
<languageId>0</languageId>
<timezone>(GMT-07:00) Mountain Time (US & Canada)</timezone>
<timezoneId>MST</timezoneId>
<path>C:\Novell\GroupWise\testDomain1</path>
<clearNotifyUser>>false</clearNotifyUser>
<connected>>true</connected>
</domain>
<domain>
  <id>DOMAIN.testDom2</id>
  <guid>5FC6CEE0-08FE-0000-8A08-5BB4E7C4BAB9</guid>
  <name>testDom2</name>
  <objType>domain</objType>
  <url>/gwadmin-service/domains/testDom2</url>
  <timeCreated>1370968862000</timeCreated>
  <timeLastMod>1370968863000</timeLastMod>
  <lastModifiedBy>Unknown admin</lastModifiedBy>
  <lastModifiedOp>MODIFY</lastModifiedOp>
  <pendingOp>MODIFY</pendingOp>
  <forceNullOnAttrs/>
  <directorySyncDomainName>testDom2</directorySyncDomainName>
  <domainRebuildCount>1</domainRebuildCount>
  <domainType>SECONDARY</domainType>
  <domainVersion>1212</domainVersion>
  <fileId>tesfebe</fileId>
  <language>English - US</language>
  <languageId>0</languageId>
  <timezone>(GMT-07:00) Mountain Time (US & Canada)</timezone>
  <timezoneId>MST</timezoneId>
  <path>C:\Novell\GroupWise\testDomain2</path>
  <clearNotifyUser>>false</clearNotifyUser>
  <connected>>false</connected>
</domain>
<domain>
  <id>DOMAIN.testExtDom1</id>
  <guid>7F95C180-0904-0000-8A08-C421ECE16D93</guid>
  <name>testExtDom1</name>
  <objType>domain</objType>
  <url>/gwadmin-service/domains/testExtDom1</url>
  <timeCreated>1370971492000</timeCreated>
  <timeLastMod>1370971492000</timeLastMod>
  <lastModifiedBy>admin.testSystem1</lastModifiedBy>
  <lastModifiedOp>ADD</lastModifiedOp>
  <forceNullOnAttrs/>
  <directorySyncDomainName>testExtDom1</directorySyncDomainName>
  <domainRebuildCount>0</domainRebuildCount>
  <domainType>EXTERNAL_GROUPWISE</domainType>
  <domainVersion>1212</domainVersion>
  <fileId>tes904</fileId>
  <language>English - US</language>
  <languageId>0</languageId>
  <timezone>(GMT-07:00) Mountain Time (US & Canada)</timezone>
  <timezoneId>MST</timezoneId>
  <clearNotifyUser>>false</clearNotifyUser>
  <connected>>false</connected>
</domain>
</list>

```

A.2 Requesting a List of Post Offices in a Domain

Request:

```
GET https://localhost:9999/gwadmin-service/domains/testDom1/postoffices
```

Response Status:

200 - OK

JSON Response:

```
[ {
  "id" : "POST_OFFICE.testDom1.testPO1",
  "guid" : "56A986B0-0870-0000-8A08-FB644894ACE1",
  "name" : "testPO1",
  "links" : null,
  "timeCreated" : 1370907858000,
  "timeLastMod" : 1370907860000,
  "legacyDn" : null,
  "lastModifiedBy" : "Unknown admin",
  "lastModifiedOp" : "MODIFY",
  "pendingOp" : null,
  "adminChanges" : null,
  "accessMode" : "CLIENT_SERVER",
  "allowedAddressFormats" : null,
  "archiveServiceTrustedAppName" : null,
  "clientLockout" : null,
  "clientLockoutDate" : null,
  "clientLockoutVersion" : null,
  "defaultInternetAgentName" : null,
  "description" : null,
  "domainName" : "testDom1",
  "deliveryMode" : "APP_THRESHOLD",
  "disableDeltaRecords" : null,
  "disableLdapPasswordChange" : null,
  "disableLiveMove" : null,
  "disableLogins" : false,
  "deltaRecordsMaxAge" : null,
  "enableICalBrowse" : null,
  "externalRecord" : false,
  "externalSync" : null,
  "fileId" : "tes1072",
  "gwId" : null,
  "internetDomainName" : null,
  "intruderDetection" : true,
  "intruderLockoutAttempts" : 5,
  "intruderLockoutAttemptsInterval" : 30,
  "intruderLockoutResetInterval" : 30,
  "language" : "English - US",
  "languageId" : "0",
  "ldapDefaultDirectory" : null,
  "ldapUser" : null,
  "ldapPassword" : null,
  "ldapInactiveConnectionTimeout" : null,
  "ldapPoolServerResetTimeout" : null,
  "ldapQuarantineThreshold" : null,
  "linkAddress" : "C:\\Novell\\GroupWise\\testPostOffice1",
  "linkAddressType" : "TCP_IP",
  "mtpAppName" : "POA",
  "mtpMaxSendSize" : null,
  "platform" : null,
  "postOfficeVersion" : 1212,
  "preferredAddressFormat" : null,
  "remoteUser" : null,
  "remotePassword" : null,
  "restoreAreaName" : null,
  "securitySettings" : [ "HIGH" ],
  "softwareAreaGuid" : null,
  "softwareVersion" : null,
  "syncContext" : null,
}
```

```

"timezone" : "(GMT-07:00) Mountain Time (US & Canada)",
"timezoneId" : "MST",
"path" : "C:\\Novell\\GroupWise\\testPostOffice1",
"associationsUpdate" : null,
"poaAddress" : null,
"poaCsPort" : null,
"poaMtpPort" : null,
"poaHttpPort" : null,
"timeStamp" : null,
"clientUpdateBumpNumber" : 0,
"poaAdminPort" : null,
"remoteCreation" : null,
"displayName" : "testPO1",
"draggable" : true,
"@type" : "postOffice",
"@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1"
} ]

```

XML Response:

```

<list>
  <postOffice>
    <id>POST_OFFICE.testDom1.testPO1</id>
    <guid>56A986B0-0870-0000-8A08-FB644894ACE1</guid>
    <name>testPO1</name>
    <objType>postOffice</objType>
    <url>/gwadmin-service/domains/testDom1/postoffices/testPO1</url>
    <timeCreated>1370907858000</timeCreated>
    <timeLastMod>1370907860000</timeLastMod>
    <lastModifiedBy>Unknown admin</lastModifiedBy>
    <lastModifiedOp>MODIFY</lastModifiedOp>
    <forceNullOnAttrs/>
    <accessMode>CLIENT_SERVER</accessMode>
    <domainName>testDom1</domainName>
    <deliveryMode>APP_THRESHOLD</deliveryMode>
    <disableLogins>false</disableLogins>
    <externalEntity>false</externalEntity>
    <externalRecord>false</externalRecord>
    <fileId>tes1072</fileId>
    <intruderDetection>true</intruderDetection>
    <intruderLockoutAttempts>5</intruderLockoutAttempts>
    <intruderLockoutAttemptsInterval>30</intruderLockoutAttemptsInterval>
    <intruderLockoutResetInterval>30</intruderLockoutResetInterval>
    <language>English - US</language>
    <languageId>0</languageId>
    <linkAddress>C:\\Novell\\GroupWise\\testPostOffice1</linkAddress>
    <linkAddressType>TCP_IP</linkAddressType>
    <mtpAppName>POA</mtpAppName>
    <postOfficeVersion>1212</postOfficeVersion>
    <securitySettings class="AttrNoUsed">HIGH</securitySettings>
    <timezone>(GMT-07:00) Mountain Time (US & Canada)</timezone>
    <timezoneId>MST</timezoneId>
    <path>C:\\Novell\\GroupWise\\testPostOffice1</path>
    <clientUpdateBumpNumber>0</clientUpdateBumpNumber>
  </postOffice>
</list>

```

A.3 Requesting a List of Users in the GroupWise System

JSON Request:

```
GET/XML https://localhost:9999/gwadmin-service/list/USER
```

Response Status:

200 - OK

JSON Response:

```
[ {
  "id" : "USER.testDom1.testPO1.testChineseUser1",
  "guid" : "3D438970-09EF-0000-8A08-20888CC82C5A",
  "name" : "testChineseUser1",
  "links" : null,
  "timeCreated" : 1371072312000,
  "timeLastMod" : 1371072312000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "domainName" : "testDom1",
  "postOfficeName" : "testPO1",
  "description" : null,
  "emailAddresses" : null,
  "visibility" : "SYSTEM",
  "defaultInternetAgentName" : null,
  "allowedAddressFormats" : null,
  "internetDomainName" : null,
  "preferredAddressFormat" : null,
  "preferredEmailId" : null,
  "moveStatus" : null,
  "ldapDn" : null,
  "ldapId" : null,
  "directoryId" : null,
  "enableICalBrowse" : null,
  "restoreArea" : null,
  "expirationDate" : 0,
  "externalRecord" : null,
  "externalSync" : null,
  "fileId" : "77i",
  "accountId" : null,
  "city" : null,
  "company" : null,
  "country" : null,
  "department" : null,
  "externalEntity" : null,
  "externalSyncOverride" : null,
  "faxNumber" : null,
  "gatewayAccess" : null,
  "givenName" : null,
  "gwId" : null,
  "homePhoneNumber" : null,
  "ldapAuthentication" : null,
  "location" : null,
  "lastClientLoginTime" : null,
  "lastClientType" : null,
  "loginDisabled" : null,
  "mailboxId" : null,
  "middleInitial" : null,
  "mobilePhoneNumber" : null,
  "networkId" : null,
  "otherPhoneNumber" : null,
  "pagerNumber" : null,
  "postalZipCode" : null,
  "postOfficeBox" : null,
  "stateProvince" : null,
  "streetAddress" : null,
  "suffix" : null,
```



```

"surname" : "????",
"telephoneNumber" : null,
"title" : null,
"groupAccessControlUpdateList" : null,
"groupMembersUpdateList" : null,
"adminDefined1" : null,
"adminDefined2" : null,
"adminDefined3" : null,
"adminDefined4" : null,
"adminDefined5" : null,
"adminDefined6" : null,
"adminDefined7" : null,
"adminDefined8" : null,
"adminDefined9" : null,
"adminDefined10" : null,
"adminDefined11" : null,
"adminDefined12" : null,
"adminDefined13" : null,
"adminDefined14" : null,
"adminDefined15" : null,
"adminDefined16" : null,
"adminDefined17" : null,
"adminDefined18" : null,
"adminDefined19" : null,
"adminDefined20" : null,
"mailboxSizeMb" : null,
"mailboxLicenseType" : null,
"moveComplete" : null,
"directoryUser" : false,
"@type" : "user",
"@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/users/
testChineseUser1"
}, {
  "id" : "USER.testExtDom1.testExtPO1.testExtUser1",
  "guid" : null,
  "name" : "testExtUser1",
  "links" : null,
  "timeCreated" : 1371072312000,
  "timeLastMod" : 1371072312000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "domainName" : "testExtDom1",
  "postOfficeName" : "testExtPO1",
  "description" : null,
  "emailAddresses" : null,
  "visibility" : "SYSTEM",
  "defaultInternetAgentName" : null,
  "allowedAddressFormats" : null,
  "internetDomainName" : null,
  "preferredAddressFormat" : null,
  "preferredEmailId" : null,
  "moveStatus" : null,
  "ldapDn" : null,
  "ldapId" : null,
  "directoryId" : null,
  "enableICalBrowse" : null,
  "restoreArea" : null,
  "expirationDate" : 0,
  "externalRecord" : true,
  "externalSync" : null,
  "fileId" : null,
  "accountId" : null,
  "city" : null,
  "company" : null,
  "country" : null,
  "department" : null,
  "externalEntity" : null,
  "externalSyncOverride" : null,

```

```

"faxNumber" : null,
"gatewayAccess" : null,
"givenName" : null,
"gwId" : null,
"homePhoneNumber" : null,
"ldapAuthentication" : null,
"location" : null,
"lastClientLoginTime" : null,
"lastClientType" : null,
"loginDisabled" : null,
"mailboxId" : null,
"middleInitial" : null,
"mobilePhoneNumber" : null,
"networkId" : null,
"otherPhoneNumber" : null,
"pagerNumber" : null,
"postalZipCode" : null,
"postOfficeBox" : null,
"stateProvince" : null,
"streetAddress" : null,
"suffix" : null,
"surname" : null,
"telephoneNumber" : null,
"title" : null,
"groupAccessControlUpdateList" : null,
"groupMembersUpdateList" : null,
"adminDefined1" : null,
"adminDefined2" : null,
"adminDefined3" : null,
"adminDefined4" : null,
"adminDefined5" : null,
"adminDefined6" : null,
"adminDefined7" : null,
"adminDefined8" : null,
"adminDefined9" : null,
"adminDefined10" : null,
"adminDefined11" : null,
"adminDefined12" : null,
"adminDefined13" : null,
"adminDefined14" : null,
"adminDefined15" : null,
"adminDefined16" : null,
"adminDefined17" : null,
"adminDefined18" : null,
"adminDefined19" : null,
"adminDefined20" : null,
"mailboxSizeMb" : null,
"mailboxLicenseType" : null,
"moveComplete" : null,
"directoryUser" : false,
"@type" : "user",
"@url" : "/gwadmin-service/domains/testExtDom1/postoffices/testExtPO1/users/
testExtUser1"
}, {
  "id" : "USER.testDom1.testPO1.testUser1",
  "guid" : "3C0BF3D0-09EF-0000-8A08-20888CC82C5A",
  "name" : "testUser1",
  "links" : null,
  "timeCreated" : 1371072310000,
  "timeLastMod" : 1371072310000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "domainName" : "testDom1",
  "postOfficeName" : "testPO1",
  "description" : null,
  "emailAddresses" : null,
  "visibility" : "SYSTEM",
  "defaultInternetAgentName" : null,

```

```

"allowedAddressFormats" : null,
"internetDomainName" : null,
"preferredAddressFormat" : null,
"preferredEmailId" : null,
"moveStatus" : null,
"ldapDn" : null,
"ldapId" : null,
"directoryId" : null,
"enableICalBrowse" : null,
"restoreArea" : null,
"expirationDate" : 0,
"externalRecord" : null,
"externalSync" : null,
"fileId" : "fri",
"accountId" : null,
"city" : null,
"company" : null,
"country" : null,
"department" : null,
"externalEntity" : null,
"externalSyncOverride" : null,
"faxNumber" : null,
"gatewayAccess" : null,
"givenName" : null,
"gwId" : null,
"homePhoneNumber" : null,
"ldapAuthentication" : null,
"location" : null,
"lastClientLoginTime" : null,
"lastClientType" : null,
"loginDisabled" : null,
"mailboxId" : null,
"middleInitial" : null,
"mobilePhoneNumber" : null,
"networkId" : null,
"otherPhoneNumber" : null,
"pagerNumber" : null,
"postalZipCode" : null,
"postOfficeBox" : null,
"stateProvince" : null,
"streetAddress" : null,
"suffix" : null,
"surname" : "testSurname1",
"telephoneNumber" : null,
"title" : null,
"groupAccessControlUpdateList" : null,
"groupMembersUpdateList" : null,
"adminDefined1" : null,
"adminDefined2" : null,
"adminDefined3" : null,
"adminDefined4" : null,
"adminDefined5" : null,
"adminDefined6" : null,
"adminDefined7" : null,
"adminDefined8" : null,
"adminDefined9" : null,
"adminDefined10" : null,
"adminDefined11" : null,
"adminDefined12" : null,
"adminDefined13" : null,
"adminDefined14" : null,
"adminDefined15" : null,
"adminDefined16" : null,
"adminDefined17" : null,
"adminDefined18" : null,
"adminDefined19" : null,
"adminDefined20" : null,
"mailboxSizeMb" : null,
"mailboxLicenseType" : null,
"moveComplete" : null,

```

```

    "directoryUser" : false,
    "@type" : "user",
    "@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1"
} ]

```

XML Response:

```

<list>
  <user>
    <id>USER.testDom1.testPO1.testChineseUser1</id>
    <guid>D9ACBC50-09EF-0000-8A08-20888CC82C5A</guid>
    <name>testChineseUser1</name>
    <objType>user</objType>
    <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/users/
testChineseUser1</url>
    <timeCreated>1371072575000</timeCreated>
    <timeLastMod>1371072575000</timeLastMod>
    <lastModifiedBy>admin.testSystem1</lastModifiedBy>
    <lastModifiedOp>ADD</lastModifiedOp>
    <forceNullOnAttrs/>
    <domainName>testDom1</domainName>
    <postOfficeName>testPO1</postOfficeName>
    <visibility>SYSTEM</visibility>
    <fileId>iit</fileId>
    <surname>????</surname>
  </user>
  <user>
    <id>USER.testExtDom1.testExtPO1.testExtUser1</id>
    <name>testExtUser1</name>
    <objType>user</objType>
    <url>/gwadmin-service/domains/testExtDom1/postoffices/testExtPO1/users/
testExtUser1</url>
    <timeCreated>1371072575000</timeCreated>
    <timeLastMod>1371072575000</timeLastMod>
    <lastModifiedBy>admin.testSystem1</lastModifiedBy>
    <lastModifiedOp>ADD</lastModifiedOp>
    <forceNullOnAttrs/>
    <domainName>testExtDom1</domainName>
    <postOfficeName>testExtPO1</postOfficeName>
    <visibility>SYSTEM</visibility>
    <externalRecord>>true</externalRecord>
  </user>
  <user>
    <id>USER.testDom1.testPO1.testUser1</id>
    <guid>D8C01260-09EF-0000-8A08-20888CC82C5A</guid>
    <name>testUser1</name>
    <objType>user</objType>
    <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1</
url>
    <timeCreated>1371072573000</timeCreated>
    <timeLastMod>1371072573000</timeLastMod>
    <lastModifiedBy>admin.testSystem1</lastModifiedBy>
    <lastModifiedOp>ADD</lastModifiedOp>
    <forceNullOnAttrs/>
    <domainName>testDom1</domainName>
    <postOfficeName>testPO1</postOfficeName>
    <visibility>SYSTEM</visibility>
    <fileId>q2t</fileId>
    <surname>testSurname1</surname>
  </user>
</list>

```

A.4 Requesting a List of Users in the GroupWise System Using a Wildcard Character

Request:

```
GET https://localhost:9999/gwadmin-service/list/USER?name=testGroupMember*
```

Response Status:

200 - OK

A.5 Requesting a List of Users in a Domain

Request:

```
GET https://localhost:9999/gwadmin-service/list/USER/DOMAIN.testDom1
```

Response Status:

200 - OK

JSON Response:

```
[ {
  "id" : "USER.testDom1.testPO1.testChineseUser1",
  "guid" : "3D438970-09EF-0000-8A08-20888CC82C5A",
  "name" : "testChineseUser1",
  "links" : null,
  "timeCreated" : 1371072312000,
  "timeLastMod" : 1371072312000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "domainName" : "testDom1",
  "postOfficeName" : "testPO1",
  "description" : null,
  "emailAddresses" : null,
  "visibility" : "SYSTEM",
  "defaultInternetAgentName" : null,
  "allowedAddressFormats" : null,
  "internetDomainName" : null,
  "preferredAddressFormat" : null,
  "preferredEmailId" : null,
  "moveStatus" : null,
  "ldapDn" : null,
  "ldapId" : null,
  "directoryId" : null,
  "enableICalBrowse" : null,
  "restoreArea" : null,
  "expirationDate" : 0,
  "externalRecord" : null,
  "externalSync" : null,
  "fileId" : "77i",
  "accountId" : null,
  "city" : null,
  "company" : null,
  "country" : null,
  "department" : null,
  "externalEntity" : null,
  "externalSyncOverride" : null,
  "faxNumber" : null,
  "gatewayAccess" : null,
  "givenName" : null,
  "gwId" : null,
  "homePhoneNumber" : null,
  "ldapAuthentication" : null,
  "location" : null,
  "lastClientLoginTime" : null,
  "lastClientType" : null,
```

```

"loginDisabled" : null,
"mailboxId" : null,
"middleInitial" : null,
"mobilePhoneNumber" : null,
"networkId" : null,
"otherPhoneNumber" : null,
"pagerNumber" : null,
"postalZipCode" : null,
"postOfficeBox" : null,
"stateProvince" : null,
"streetAddress" : null,
"suffix" : null,
"surname" : "????",
"telephoneNumber" : null,
"title" : null,
"groupAccessControlUpdateList" : null,
"groupMembersUpdateList" : null,
"adminDefined1" : null,
"adminDefined2" : null,
"adminDefined3" : null,
"adminDefined4" : null,
"adminDefined5" : null,
"adminDefined6" : null,
"adminDefined7" : null,
"adminDefined8" : null,
"adminDefined9" : null,
"adminDefined10" : null,
"adminDefined11" : null,
"adminDefined12" : null,
"adminDefined13" : null,
"adminDefined14" : null,
"adminDefined15" : null,
"adminDefined16" : null,
"adminDefined17" : null,
"adminDefined18" : null,
"adminDefined19" : null,
"adminDefined20" : null,
"mailboxSizeMb" : null,
"mailboxLicenseType" : null,
"moveComplete" : null,
"directoryUser" : false,
"@type" : "user",
"@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/users/
testChineseUser1"
}, {
  "id" : "USER.testDom1.testPO1.testUser1",
  "guid" : "3C0BF3D0-09EF-0000-8A08-20888CC82C5A",
  "name" : "testUser1",
  "links" : null,
  "timeCreated" : 1371072310000,
  "timeLastMod" : 1371072310000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "domainName" : "testDom1",
  "postOfficeName" : "testPO1",
  "description" : null,
  "emailAddresses" : null,
  "visibility" : "SYSTEM",
  "defaultInternetAgentName" : null,
  "allowedAddressFormats" : null,
  "internetDomainName" : null,
  "preferredAddressFormat" : null,
  "preferredEmailId" : null,
  "moveStatus" : null,
  "ldapDn" : null,
  "ldapId" : null,
  "directoryId" : null,
  "enableICalBrowse" : null,

```

```

"restoreArea" : null,
"expirationDate" : 0,
"externalRecord" : null,
"externalSync" : null,
"fileId" : "fri",
"accountId" : null,
"city" : null,
"company" : null,
"country" : null,
"department" : null,
"externalEntity" : null,
"externalSyncOverride" : null,
"faxNumber" : null,
"gatewayAccess" : null,
"givenName" : null,
"gwId" : null,
"homePhoneNumber" : null,
"ldapAuthentication" : null,
"location" : null,
"lastClientLoginTime" : null,
"lastClientType" : null,
"loginDisabled" : null,
"mailboxId" : null,
"middleInitial" : null,
"mobilePhoneNumber" : null,
"networkId" : null,
"otherPhoneNumber" : null,
"pagerNumber" : null,
"postalZipCode" : null,
"postOfficeBox" : null,
"stateProvince" : null,
"streetAddress" : null,
"suffix" : null,
"surname" : "testSurname1",
"telephoneNumber" : null,
"title" : null,
"groupAccessControlUpdateList" : null,
"groupMembersUpdateList" : null,
"adminDefined1" : null,
"adminDefined2" : null,
"adminDefined3" : null,
"adminDefined4" : null,
"adminDefined5" : null,
"adminDefined6" : null,
"adminDefined7" : null,
"adminDefined8" : null,
"adminDefined9" : null,
"adminDefined10" : null,
"adminDefined11" : null,
"adminDefined12" : null,
"adminDefined13" : null,
"adminDefined14" : null,
"adminDefined15" : null,
"adminDefined16" : null,
"adminDefined17" : null,
"adminDefined18" : null,
"adminDefined19" : null,
"adminDefined20" : null,
"mailboxSizeMb" : null,
"mailboxLicenseType" : null,
"moveComplete" : null,
"directoryUser" : false,
"@type" : "user",
"@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1"
} ]

```

XML Response:

```

<list>
  <user>
    <id>USER.testDom1.testPO1.testChineseUser1</id>

```

```

    <guid>D9ACBC50-09EF-0000-8A08-20888CC82C5A</guid>
    <name>testChineseUser1</name>
    <objType>user</objType>
    <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/users/
testChineseUser1</url>
    <timeCreated>1371072575000</timeCreated>
    <timeLastMod>1371072575000</timeLastMod>
    <lastModifiedBy>admin.testSystem1</lastModifiedBy>
    <lastModifiedOp>ADD</lastModifiedOp>
    <forceNullOnAttrs/>
    <domainName>testDom1</domainName>
    <postOfficeName>testPO1</postOfficeName>
    <visibility>SYSTEM</visibility>
    <fileId>iit</fileId>
    <surname>????</surname>
  </user>
  <user>
    <id>USER.testDom1.testPO1.testUser1</id>
    <guid>D8C01260-09EF-0000-8A08-20888CC82C5A</guid>
    <name>testUser1</name>
    <objType>user</objType>
    <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1</
url>
    <timeCreated>1371072573000</timeCreated>
    <timeLastMod>1371072573000</timeLastMod>
    <lastModifiedBy>admin.testSystem1</lastModifiedBy>
    <lastModifiedOp>ADD</lastModifiedOp>
    <forceNullOnAttrs/>
    <domainName>testDom1</domainName>
    <postOfficeName>testPO1</postOfficeName>
    <visibility>SYSTEM</visibility>
    <fileId>q2t</fileId>
    <surname>testSurname1</surname>
  </user>
</list>

```

A.6 Requesting a List of Users in a Post Office

Request:

```
GET https://localhost:9999/gwadmin-service/list/USER/POST_OFFICE.testDom1.testPO1
```

Response Status:

200 - OK

JSON Response:

```

[ {
  "id" : "USER.testDom1.testPO1.testChineseUser1",
  "guid" : "3D438970-09EF-0000-8A08-20888CC82C5A",
  "name" : "testChineseUser1",
  "links" : null,
  "timeCreated" : 1371072312000,
  "timeLastMod" : 1371072312000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "domainName" : "testDom1",
  "postOfficeName" : "testPO1",
  "description" : null,
  "emailAddresses" : null,
  "visibility" : "SYSTEM",
  "defaultInternetAgentName" : null,
  "allowedAddressFormats" : null,
  "internetDomainName" : null,
  "preferredAddressFormat" : null,
  "preferredEmailId" : null,
  "moveStatus" : null,

```



```

"ldapDn" : null,
"ldapId" : null,
"directoryId" : null,
"enableICalBrowse" : null,
"restoreArea" : null,
"expirationDate" : 0,
"externalRecord" : null,
"externalSync" : null,
"fileId" : "77i",
"accountId" : null,
"city" : null,
"company" : null,
"country" : null,
"department" : null,
"externalEntity" : null,
"externalSyncOverride" : null,
"faxNumber" : null,
"gatewayAccess" : null,
"givenName" : null,
"gwId" : null,
"homePhoneNumber" : null,
"ldapAuthentication" : null,
"location" : null,
"lastClientLoginTime" : null,
"lastClientType" : null,
"loginDisabled" : null,
"mailboxId" : null,
"middleInitial" : null,
"mobilePhoneNumber" : null,
"networkId" : null,
"otherPhoneNumber" : null,
"pagerNumber" : null,
"postalZipCode" : null,
"postOfficeBox" : null,
"stateProvince" : null,
"streetAddress" : null,
"suffix" : null,
"surname" : "????",
"telephoneNumber" : null,
"title" : null,
"groupAccessControlUpdateList" : null,
"groupMembersUpdateList" : null,
"adminDefined1" : null,
"adminDefined2" : null,
"adminDefined3" : null,
"adminDefined4" : null,
"adminDefined5" : null,
"adminDefined6" : null,
"adminDefined7" : null,
"adminDefined8" : null,
"adminDefined9" : null,
"adminDefined10" : null,
"adminDefined11" : null,
"adminDefined12" : null,
"adminDefined13" : null,
"adminDefined14" : null,
"adminDefined15" : null,
"adminDefined16" : null,
"adminDefined17" : null,
"adminDefined18" : null,
"adminDefined19" : null,
"adminDefined20" : null,
"mailboxSizeMb" : null,
"mailboxLicenseType" : null,
"moveComplete" : null,
"directoryUser" : false,
"@type" : "user",
"@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/users/
testChineseUser1"
}, {

```

```

"id" : "USER.testDom1.testPO1.testUser1",
"guid" : "3C0BF3D0-09EF-0000-8A08-20888CC82C5A",
"name" : "testUser1",
"links" : null,
"timeCreated" : 1371072310000,
"timeLastMod" : 1371072310000,
"legacyDn" : null,
"lastModifiedBy" : "admin.testSystem1",
"lastModifiedOp" : "ADD",
"pendingOp" : null,
"domainName" : "testDom1",
"postOfficeName" : "testPO1",
"description" : null,
"emailAddresses" : null,
"visibility" : "SYSTEM",
"defaultInternetAgentName" : null,
"allowedAddressFormats" : null,
"internetDomainName" : null,
"preferredAddressFormat" : null,
"preferredEmailId" : null,
"moveStatus" : null,
"ldapDn" : null,
"ldapId" : null,
"directoryId" : null,
"enableICalBrowse" : null,
"restoreArea" : null,
"expirationDate" : 0,
"externalRecord" : null,
"externalSync" : null,
"fileId" : "fri",
"accountId" : null,
"city" : null,
"company" : null,
"country" : null,
"department" : null,
"externalEntity" : null,
"externalSyncOverride" : null,
"faxNumber" : null,
"gatewayAccess" : null,
"givenName" : null,
"gwId" : null,
"homePhoneNumber" : null,
"ldapAuthentication" : null,
"location" : null,
"lastClientLoginTime" : null,
"lastClientType" : null,
"loginDisabled" : null,
"mailboxId" : null,
"middleInitial" : null,
"mobilePhoneNumber" : null,
"networkId" : null,
"otherPhoneNumber" : null,
"pagerNumber" : null,
"postalZipCode" : null,
"postOfficeBox" : null,
"stateProvince" : null,
"streetAddress" : null,
"suffix" : null,
"surname" : "testSurname1",
"telephoneNumber" : null,
"title" : null,
"groupAccessControlUpdateList" : null,
"groupMembersUpdateList" : null,
"adminDefined1" : null,
"adminDefined2" : null,
"adminDefined3" : null,
"adminDefined4" : null,
"adminDefined5" : null,
"adminDefined6" : null,
"adminDefined7" : null,

```

```

"adminDefined8" : null,
"adminDefined9" : null,
"adminDefined10" : null,
"adminDefined11" : null,
"adminDefined12" : null,
"adminDefined13" : null,
"adminDefined14" : null,
"adminDefined15" : null,
"adminDefined16" : null,
"adminDefined17" : null,
"adminDefined18" : null,
"adminDefined19" : null,
"adminDefined20" : null,
"mailboxSizeMb" : null,
"mailboxLicenseType" : null,
"moveComplete" : null,
"directoryUser" : false,
"@type" : "user",
"@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1"
} ]

```

XML Response:

```

<list>
  <user>
    <id>USER.testDom1.testPO1.testChineseUser1</id>
    <guid>D9ACBC50-09EF-0000-8A08-20888CC82C5A</guid>
    <name>testChineseUser1</name>
    <objType>user</objType>
    <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/users/
testChineseUser1</url>
    <timeCreated>1371072575000</timeCreated>
    <timeLastMod>1371072575000</timeLastMod>
    <lastModifiedBy>admin.testSystem1</lastModifiedBy>
    <lastModifiedOp>ADD</lastModifiedOp>
    <forceNullOnAttrs/>
    <domainName>testDom1</domainName>
    <postOfficeName>testPO1</postOfficeName>
    <visibility>SYSTEM</visibility>
    <fileId>iit</fileId>
    <surname>????</surname>
  </user>
  <user>
    <id>USER.testDom1.testPO1.testUser1</id>
    <guid>D8C01260-09EF-0000-8A08-20888CC82C5A</guid>
    <name>testUser1</name>
    <objType>user</objType>
    <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1</
url>
    <timeCreated>1371072573000</timeCreated>
    <timeLastMod>1371072573000</timeLastMod>
    <lastModifiedBy>admin.testSystem1</lastModifiedBy>
    <lastModifiedOp>ADD</lastModifiedOp>
    <forceNullOnAttrs/>
    <domainName>testDom1</domainName>
    <postOfficeName>testPO1</postOfficeName>
    <visibility>SYSTEM</visibility>
    <fileId>q2t</fileId>
    <surname>testSurname1</surname>
  </user>
</list>

```

A.7 Requesting a List of User Attributes

Request:

```
GET https://localhost:9999/gwadmin-service/diagnostics/object/  
USER.testDom1.testPO1.testUser1
```

Response Status:

200 - OK

JSON Response:

```
{  
  "attr" : [ {  
    "@id" : "50073",  
    "$" : "testUser1"  
  }, {  
    "@id" : "50072",  
    "$" : "4"  
  }, {  
    "@id" : "58014",  
    "$" : "testDom1"  
  }, {  
    "@id" : "59019",  
    "$" : "admin.testSystem1"  
  }, {  
    "@id" : "50101",  
    "$" : "0"  
  }, {  
    "@id" : "50087",  
    "$" : "1"  
  }, {  
    "@id" : "50080",  
    "$" : "3C0BF3D0-09EF-0000-8A08-20888CC82C5A"  
  }, {  
    "@id" : "50144",  
    "$" : "1"  
  }, {  
    "@id" : "50038",  
    "$" : "fri"  
  }, {  
    "@id" : "50035",  
    "$" : "testDom1"  
  }, {  
    "@id" : "50064",  
    "$" : "1371072310"  
  }, {  
    "@id" : "50001",  
    "$" : "2"  
  }, {  
    "@id" : "50062",  
    "$" : "testPO1"  
  }, {  
    "@id" : "50093",  
    "$" : "testSurname1"  
  }, {  
    "@id" : "63096",  
    "$" : "1"  
  }, {  
    "@id" : "61109",  
    "$" : "1371072310"  
  }, {  
    "@id" : "50076",  
    "$" : "2"  
  }, {  
    "@id" : "50075",  
    "$" : "6"  
  } ] ,  
  "@id" : "USER.testDom1.testPO1.testUser1"  
}
```

XML Response:

```
<objectAttributes>
  <id>USER.testDom1.testPO1.testUser1</id>
  <attr>
    <objectAttributes>
      <id>50073</id>
      <value>testUser1</value>
    </objectAttributes>
    <objectAttributes>
      <id>50072</id>
      <value>4</value>
    </objectAttributes>
    <objectAttributes>
      <id>58014</id>
      <value>testDom1</value>
    </objectAttributes>
    <objectAttributes>
      <id>59019</id>
      <value>admin.testSystem1</value>
    </objectAttributes>
    <objectAttributes>
      <id>50101</id>
      <value>0</value>
    </objectAttributes>
    <objectAttributes>
      <id>50087</id>
      <value>1</value>
    </objectAttributes>
    <objectAttributes>
      <id>50080</id>
      <value>D8C01260-09EF-0000-8A08-20888CC82C5A</value>
    </objectAttributes>
    <objectAttributes>
      <id>50144</id>
      <value>1</value>
    </objectAttributes>
    <objectAttributes>
      <id>50038</id>
      <value>q2t</value>
    </objectAttributes>
    <objectAttributes>
      <id>50035</id>
      <value>testDom1</value>
    </objectAttributes>
    <objectAttributes>
      <id>50064</id>
      <value>1371072573</value>
    </objectAttributes>
    <objectAttributes>
      <id>50001</id>
      <value>2</value>
    </objectAttributes>
    <objectAttributes>
      <id>50062</id>
      <value>testPO1</value>
    </objectAttributes>
    <objectAttributes>
      <id>50093</id>
      <value>testSurname1</value>
    </objectAttributes>
    <objectAttributes>
      <id>63096</id>
      <value>1</value>
    </objectAttributes>
  </attr>
</objectAttributes>
```

```

    <objectAttributes>
      <id>61109</id>
      <value>1371072573</value>
    </objectAttributes>
    <objectAttributes>
      <id>50076</id>
      <value>2</value>
    </objectAttributes>
    <objectAttributes>
      <id>50075</id>
      <value>6</value>
    </objectAttributes>
  </attr>
</objectAttributes>

```

A.8 Requesting a List of Groups in the GroupWise System

Request:

```
GET https://localhost:9999/gwadmin-service/list/GROUP
```

Response Status:

200 - OK

JSON Response:

```

[ {
  "id" : "GROUP.testDom1.testPO1.testGroup1",
  "guid" : "3D593450-09EF-0000-8A08-20888CC82C5A",
  "name" : "testGroup1",
  "links" : null,
  "timeCreated" : 1371072313000,
  "timeLastMod" : 1371072313000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "domainName" : "testDom1",
  "postOfficeName" : "testPO1",
  "description" : null,
  "emailAddresses" : null,
  "visibility" : "POST_OFFICE",
  "defaultInternetAgentName" : null,
  "allowedAddressFormats" : null,
  "internetDomainName" : null,
  "preferredAddressFormat" : null,
  "preferredEmailId" : null,
  "moveStatus" : null,
  "ldapDn" : null,
  "ldapId" : null,
  "directoryId" : null,
  "postOffice" : null,
  "groupType" : "DISTRIBUTION_LIST",
  "replicationOverride" : null,
  "exclusiveInternetDomain" : false,
  "groupAccessControlUpdateList" : null,
  "groupMembershipUpdateList" : null,
  "externalSync" : null,
  "moveComplete" : null,
  "directoryUser" : false,
  "@type" : "group",
  "@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/
testGroup1"
} ]

```

XML Response:

```

<list>
  <group>
    <id>GROUP.testDom1.testPO1.testGroup1</id>

```

```

    <guid>D9C2B550-09EF-0000-8A08-20888CC82C5A</guid>
    <name>testGroup1</name>
    <objType>group</objType>
    <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/testGroup1</
url>
    <timeCreated>1371072575000</timeCreated>
    <timeLastMod>1371072575000</timeLastMod>
    <lastModifiedBy>admin.testSystem1</lastModifiedBy>
    <lastModifiedOp>ADD</lastModifiedOp>
    <forceNullOnAttrs/>
    <domainName>testDom1</domainName>
    <postOfficeName>testPO1</postOfficeName>
    <visibility>POST_OFFICE</visibility>
    <groupType>DISTRIBUTION_LIST</groupType>
    <exclusiveInternetDomain>>false</exclusiveInternetDomain>
  </group>
</list>

```

A.9 Requesting a List of Groups in a Domain

Request:

```
GET https://localhost:9999/gwadmin-service/list/GROUP/DOMAIN.testDom1
```

Response Status:

200 - OK

JSON Response:

```

[ {
  "id" : "GROUP.testDom1.testPO1.testGroup1",
  "guid" : "3D593450-09EF-0000-8A08-20888CC82C5A",
  "name" : "testGroup1",
  "links" : null,
  "timeCreated" : 1371072313000,
  "timeLastMod" : 1371072313000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "domainName" : "testDom1",
  "postOfficeName" : "testPO1",
  "description" : null,
  "emailAddresses" : null,
  "visibility" : "POST_OFFICE",
  "defaultInternetAgentName" : null,
  "allowedAddressFormats" : null,
  "internetDomainName" : null,
  "preferredAddressFormat" : null,
  "preferredEmailId" : null,
  "moveStatus" : null,
  "ldapDn" : null,
  "ldapId" : null,
  "directoryId" : null,
  "postOffice" : null,
  "groupType" : "DISTRIBUTION_LIST",
  "replicationOverride" : null,
  "exclusiveInternetDomain" : false,
  "groupAccessControlUpdateList" : null,
  "groupMembershipUpdateList" : null,
  "externalSync" : null,
  "moveComplete" : null,
  "directoryUser" : false,
  "@type" : "group",
  "@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/
testGroup1"
} ]

```

XML Response:

```

<list>
  <group>
    <id>GROUP.testDom1.testPO1.testGroup1</id>
    <guid>D9C2B550-09EF-0000-8A08-20888CC82C5A</guid>
    <name>testGroup1</name>
    <objType>group</objType>
    <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/testGroup1</
url>
    <timeCreated>1371072575000</timeCreated>
    <timeLastMod>1371072575000</timeLastMod>
    <lastModifiedBy>admin.testSystem1</lastModifiedBy>
    <lastModifiedOp>ADD</lastModifiedOp>
    <forceNullOnAttrs/>
    <domainName>testDom1</domainName>
    <postOfficeName>testPO1</postOfficeName>
    <visibility>POST_OFFICE</visibility>
    <groupType>DISTRIBUTION_LIST</groupType>
    <exclusiveInternetDomain>>false</exclusiveInternetDomain>
  </group>
</list>

```

A.10 Requesting a List of Groups in a Post Office

Request:

```
GET https://localhost:9999/gwadmin-service/list/GROUP/POST_OFFICE.testDom1.testPO1
```

Response Status:

200 - OK

JSON Response:

```

[ {
  "id" : "GROUP.testDom1.testPO1.testGroup1",
  "guid" : "3D593450-09EF-0000-8A08-20888CC82C5A",
  "name" : "testGroup1",
  "links" : null,
  "timeCreated" : 1371072313000,
  "timeLastMod" : 1371072313000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "domainName" : "testDom1",
  "postOfficeName" : "testPO1",
  "description" : null,
  "emailAddresses" : null,
  "visibility" : "POST_OFFICE",
  "defaultInternetAgentName" : null,
  "allowedAddressFormats" : null,
  "internetDomainName" : null,
  "preferredAddressFormat" : null,
  "preferredEmailId" : null,
  "moveStatus" : null,
  "ldapDn" : null,
  "ldapId" : null,
  "directoryId" : null,
  "postOffice" : null,
  "groupType" : "DISTRIBUTION_LIST",
  "replicationOverride" : null,
  "exclusiveInternetDomain" : false,
  "groupAccessControlUpdateList" : null,
  "groupMembershipUpdateList" : null,
  "externalSync" : null,
  "moveComplete" : null,
  "directoryUser" : false,
  "@type" : "group",
  "@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/
testGroup1"
} ]

```



```

} ]
XML Response:
<list>
  <group>
    <id>GROUP.testDom1.testPO1.testGroup1</id>
    <guid>D9C2B550-09EF-0000-8A08-20888CC82C5A</guid>
    <name>testGroup1</name>
    <objType>group</objType>
    <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/testGroup1</
url>
    <timeCreated>1371072575000</timeCreated>
    <timeLastMod>1371072575000</timeLastMod>
    <lastModifiedBy>admin.testSystem1</lastModifiedBy>
    <lastModifiedOp>ADD</lastModifiedOp>
    <forceNullOnAttrs/>
    <domainName>testDom1</domainName>
    <postOfficeName>testPO1</postOfficeName>
    <visibility>POST_OFFICE</visibility>
    <groupType>DISTRIBUTION_LIST</groupType>
    <exclusiveInternetDomain>>false</exclusiveInternetDomain>
  </group>
</list>

```

A.11 Requesting a List of Group Memberships for a User

Request:

```
GET https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/
users/testUser1/groupmemberships
```

Response Status:

200 - OK

JSON Response:

```

[ {
  "id" : "GROUP.testDom1.testPO1.testGroup1",
  "guid" : null,
  "name" : "testGroup1",
  "links" : null,
  "timeCreated" : null,
  "timeLastMod" : null,
  "legacyDn" : null,
  "lastModifiedBy" : null,
  "lastModifiedOp" : null,
  "pendingOp" : null,
  "postOfficeName" : "testPO1",
  "domainName" : "testDom1",
  "givenName" : null,
  "participation" : "PRIMARY",
  "type" : null,
  "surname" : null,
  "@type" : "membership",
  "@url" : null
} ]

```

XML Response:

```

<list>
  <member>
    <id>GROUP.testDom1.testPO1.testGroup1</id>
    <name>testGroup1</name>
    <objType>membership</objType>
    <forceNullOnAttrs/>
    <postOfficeName>testPO1</postOfficeName>
    <domainName>testDom1</domainName>
    <participation>PRIMARY</participation>
  </member>
</list>

```

A.12 Requesting a List of Members in a Group

Request:

```
GET https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/testGroup1/members
```

Response Status:

200 - OK

JSON Response:

```
[ {
  "id" : "USER.testDom1.testPO1.testUser1",
  "guid" : null,
  "name" : "testUser1",
  "links" : null,
  "timeCreated" : null,
  "timeLastMod" : null,
  "legacyDn" : null,
  "lastModifiedBy" : null,
  "lastModifiedOp" : null,
  "pendingOp" : null,
  "postOfficeName" : "testPO1",
  "domainName" : "testDom1",
  "givenName" : null,
  "participation" : "PRIMARY",
  "type" : "USER",
  "surname" : "testSurname1",
  "@type" : "member",
  "@url" : null
} ]
```

XML Response:

```
<list>
  <member>
    <id>USER.testDom1.testPO1.testUser1</id>
    <name>testUser1</name>
    <objType>member</objType>
    <forceNullOnAttrs/>
    <postOfficeName>testPO1</postOfficeName>
    <domainName>testDom1</domainName>
    <participation>PRIMARY</participation>
    <type>USER</type>
    <surname>testSurname1</surname>
  </member>
</list>
```

A.13 Requesting a List of Resources in the GroupWise System

Request:

```
GET https://localhost:9999/gwadmin-service/list/RESOURCE
```

Response Status:

200 - OK

JSON Response:

```
[ {
  "id" : "RESOURCE.testDom1.testPO1.testResource1",
  "guid" : "3E3CB680-09EF-0000-8A08-20888CC82C5A",
  "name" : "testResource1",
  "links" : null,
  "timeCreated" : 1371072314000,
  "timeLastMod" : 1371072314000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
}
```

```

"domainName" : "testDom1",
"postOfficeName" : "testPO1",
"description" : null,
"emailAddresses" : null,
"visibility" : "SYSTEM",
"defaultInternetAgentName" : null,
"allowedAddressFormats" : null,
"internetDomainName" : null,
"preferredAddressFormat" : null,
"preferredEmailId" : null,
"moveStatus" : null,
"ldapDn" : null,
"ldapId" : null,
"directoryId" : null,
"enableICalBrowse" : null,
"restoreArea" : null,
"expirationDate" : 0,
"externalRecord" : null,
"externalSync" : null,
"fileId" : "66e",
"owner" : "testUser1",
"postOffice" : null,
"resourceType" : "RESOURCE",
"telephoneNumber" : null,
"groupMembershipUpdateList" : null,
"nicknamesUrl" : null,
"moveComplete" : null,
"directoryUser" : false,
"@type" : "resource",
"@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/resources/
testResource1"
} ]

```

XML Response:

```

<list>
  <resource>
    <id>RESOURCE.testDom1.testPO1.testResource1</id>
    <guid>DAD49A80-09EF-0000-8A08-20888CC82C5A</guid>
    <name>testResource1</name>
    <objType>resource</objType>
    <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/resources/
testResource1</url>
    <timeCreated>1371072577000</timeCreated>
    <timeLastMod>1371072577000</timeLastMod>
    <lastModifiedBy>admin.testSystem1</lastModifiedBy>
    <lastModifiedOp>ADD</lastModifiedOp>
    <forceNullOnAttrs/>
    <domainName>testDom1</domainName>
    <postOfficeName>testPO1</postOfficeName>
    <visibility>SYSTEM</visibility>
    <fileId>hhp</fileId>
    <owner>testUser1</owner>
    <resourceType>RESOURCE</resourceType>
  </resource>
</list>

```

A.14 Requesting a List of Resources in a Domain

Request:

```
GET https://localhost:9999/gwadmin-service/list/RESOURCE/DOMAIN.testDom1
```

Response Status:

200 - OK

JSON Response:

```
[ {
  "id" : "RESOURCE.testDom1.testPO1.testResource1",
  "guid" : "3E3CB680-09EF-0000-8A08-20888CC82C5A",
  "name" : "testResource1",
  "links" : null,
  "timeCreated" : 1371072314000,
  "timeLastMod" : 1371072314000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "domainName" : "testDom1",
  "postOfficeName" : "testPO1",
  "description" : null,
  "emailAddresses" : null,
  "visibility" : "SYSTEM",
  "defaultInternetAgentName" : null,
  "allowedAddressFormats" : null,
  "internetDomainName" : null,
  "preferredAddressFormat" : null,
  "preferredEmailId" : null,
  "moveStatus" : null,
  "ldapDn" : null,
  "ldapId" : null,
  "directoryId" : null,
  "enableICalBrowse" : null,
  "restoreArea" : null,
  "expirationDate" : 0,
  "externalRecord" : null,
  "externalSync" : null,
  "fileId" : "66e",
  "owner" : "testUser1",
  "postOffice" : null,
  "resourceType" : "RESOURCE",
  "telephoneNumber" : null,
  "groupMembershipUpdateList" : null,
  "nicknamesUrl" : null,
  "moveComplete" : null,
  "directoryUser" : false,
  "@type" : "resource",
  "@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/resources/
testResource1"
} ]
```

XML Response:

```
<list>
  <resource>
    <id>RESOURCE.testDom1.testPO1.testResource1</id>
    <guid>DAD49A80-09EF-0000-8A08-20888CC82C5A</guid>
    <name>testResource1</name>
    <objType>resource</objType>
    <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/resources/
```

```

testResource1</url>
  <timeCreated>1371072577000</timeCreated>
  <timeLastMod>1371072577000</timeLastMod>
  <lastModifiedBy>admin.testSystem1</lastModifiedBy>
  <lastModifiedOp>ADD</lastModifiedOp>
  <forceNullOnAttrs/>
  <domainName>testDom1</domainName>
  <postOfficeName>testPO1</postOfficeName>
  <visibility>SYSTEM</visibility>
  <fileId>hhp</fileId>
  <owner>testUser1</owner>
  <resourceType>RESOURCE</resourceType>
</resource>
</list>

```

A.15 Requesting a List of Resources in a Post Office

Request:

```

GET https://localhost:9999/gwadmin-service/list/RESOURCE/
POST_OFFICE.testDom1.testPO1

```

Response Status:

200 - OK

JSON Response:

```

[ {
  "id" : "RESOURCE.testDom1.testPO1.testResource1",
  "guid" : "3E3CB680-09EF-0000-8A08-20888CC82C5A",
  "name" : "testResource1",
  "links" : null,
  "timeCreated" : 1371072314000,
  "timeLastMod" : 1371072314000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "domainName" : "testDom1",
  "postOfficeName" : "testPO1",
  "description" : null,
  "emailAddresses" : null,
  "visibility" : "SYSTEM",
  "defaultInternetAgentName" : null,
  "allowedAddressFormats" : null,
  "internetDomainName" : null,
  "preferredAddressFormat" : null,
  "preferredEmailId" : null,
  "moveStatus" : null,
  "ldapDn" : null,
  "ldapId" : null,
  "directoryId" : null,
  "enableICalBrowse" : null,
  "restoreArea" : null,
  "expirationDate" : 0,
  "externalRecord" : null,
  "externalSync" : null,
  "fileId" : "66e",
  "owner" : "testUser1",
  "postOffice" : null,
  "resourceType" : "RESOURCE",
  "telephoneNumber" : null,
  "groupMembershipUpdateList" : null,
  "nicknamesUrl" : null,
  "moveComplete" : null,
  "directoryUser" : false,
  "@type" : "resource",
  "@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/resources/
testResource1"

```

```
} ]
```

XML Response:

```
<list>
  <resource>
    <id>RESOURCE.testDom1.testPO1.testResource1</id>
    <guid>DAD49A80-09EF-0000-8A08-20888CC82C5A</guid>
    <name>testResource1</name>
    <objType>resource</objType>
    <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/resources/
testResource1</url>
    <timeCreated>1371072577000</timeCreated>
    <timeLastMod>1371072577000</timeLastMod>
    <lastModifiedBy>admin.testSystem1</lastModifiedBy>
    <lastModifiedOp>ADD</lastModifiedOp>
    <forceNullOnAttrs/>
    <domainName>testDom1</domainName>
    <postOfficeName>testPO1</postOfficeName>
    <visibility>SYSTEM</visibility>
    <fileId>hhp</fileId>
    <owner>testUser1</owner>
    <resourceType>RESOURCE</resourceType>
  </resource>
</list>
```

A.16 Requesting a List of Resources That a User Owns

Request:

```
GET https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/
users/testUser1/resources
```

Response Status:

200 - OK

JSON Response:

```
[ {
  "id" : "RESOURCE.testDom1.testPO1.testResource1",
  "guid" : "3E3CB680-09EF-0000-8A08-20888CC82C5A",
  "name" : "testResource1",
  "links" : null,
  "timeCreated" : 1371072314000,
  "timeLastMod" : 1371072314000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "domainName" : "testDom1",
  "postOfficeName" : "testPO1",
  "description" : null,
  "emailAddresses" : null,
  "visibility" : "SYSTEM",
  "defaultInternetAgentName" : null,
  "allowedAddressFormats" : null,
  "internetDomainName" : null,
  "preferredAddressFormat" : null,
  "preferredEmailId" : null,
  "moveStatus" : null,
  "ldapDn" : null,
  "ldapId" : null,
  "directoryId" : null,
  "enableICalBrowse" : null,
  "restoreArea" : null,
  "expirationDate" : 0,
  "externalRecord" : null,
  "externalSync" : null,
  "fileId" : "66e",
  "owner" : "testUser1",
```

```

    "postOffice" : null,
    "resourceType" : "RESOURCE",
    "telephoneNumber" : null,
    "groupMembershipUpdateList" : null,
    "nicknamesUrl" : null,
    "moveComplete" : null,
    "directoryUser" : false,
    "@type" : "resource",
    "@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/resources/
testResource1"
} ]

```

XML Response:

```

<list>
  <resource>
    <id>RESOURCE.testDom1.testPO1.testResource1</id>
    <guid>DAD49A80-09EF-0000-8A08-20888CC82C5A</guid>
    <name>testResource1</name>
    <objType>resource</objType>
    <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/resources/
testResource1</url>
    <timeCreated>1371072577000</timeCreated>
    <timeLastMod>1371072577000</timeLastMod>
    <lastModifiedBy>admin.testSystem1</lastModifiedBy>
    <lastModifiedOp>ADD</lastModifiedOp>
    <forceNullOnAttrs/>
    <domainName>testDom1</domainName>
    <postOfficeName>testPO1</postOfficeName>
    <visibility>SYSTEM</visibility>
    <fileId>hhp</fileId>
    <owner>testUser1</owner>
    <resourceType>RESOURCE</resourceType>
  </resource>
</list>

```

A.17 Requesting a List of Nicknames in the GroupWise System

Request:

```
GET https://localhost:9999/gwadmin-service/list/NICKNAME
```

Response Status:

```
200 - OK
```

JSON Response:

```

[ {
  "id" : "NICKNAME.testDom1.testPO1.testNicknameName1",
  "guid" : "3E2536E0-09EF-0000-8A08-20888CC82C5A",
  "name" : "testNicknameName1",
  "links" : null,
  "timeCreated" : 1371072314000,
  "timeLastMod" : 1371072314000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "domainName" : "testDom1",
  "postOfficeName" : "testPO1",
  "description" : null,
  "emailAddresses" : null,
  "visibility" : "SYSTEM",
  "defaultInternetAgentName" : null,
  "allowedAddressFormats" : null,
  "internetDomainName" : null,
  "preferredAddressFormat" : null,
  "preferredEmailId" : null,
  "moveStatus" : null,
  "ldapDn" : null,

```

```

"ldapId" : null,
"directoryId" : null,
"enableICalBrowse" : null,
"restoreArea" : null,
"expirationDate" : 0,
"externalRecord" : null,
"externalSync" : null,
"fileId" : null,
"accountId" : null,
"city" : null,
"company" : null,
"country" : null,
"department" : null,
"externalEntity" : null,
"externalSyncOverride" : null,
"faxNumber" : null,
"gatewayAccess" : null,
"givenName" : null,
"gwId" : null,
"homePhoneNumber" : null,
"ldapAuthentication" : null,
"location" : null,
"lastClientLoginTime" : null,
"lastClientType" : null,
"loginDisabled" : null,
"mailboxId" : null,
"middleInitial" : null,
"mobilePhoneNumber" : null,
"networkId" : null,
"otherPhoneNumber" : null,
"pagerNumber" : null,
"postalZipCode" : null,
"postOfficeBox" : null,
"stateProvince" : null,
"streetAddress" : null,
"suffix" : null,
"surname" : "testNicknameSurname1",
"telephoneNumber" : null,
"title" : null,
"groupAccessControlUpdateList" : null,
"groupMembersUpdateList" : null,
"adminDefined1" : null,
"adminDefined2" : null,
"adminDefined3" : null,
"adminDefined4" : null,
"adminDefined5" : null,
"adminDefined6" : null,
"adminDefined7" : null,
"adminDefined8" : null,
"adminDefined9" : null,
"adminDefined10" : null,
"adminDefined11" : null,
"adminDefined12" : null,
"adminDefined13" : null,
"adminDefined14" : null,
"adminDefined15" : null,
"adminDefined16" : null,
"adminDefined17" : null,
"adminDefined18" : null,
"adminDefined19" : null,
"adminDefined20" : null,
"mailboxSizeMb" : null,
"mailboxLicenseType" : null,
"referredUserName" : null,
"userName" : "testUser1",
"userPostOfficeName" : "testPO1",
"userDomainName" : "testDom1",
"realMemberType" : "USER",
"moveComplete" : null,
"directoryUser" : false,

```



```

    "@type" : "nickname",
    "@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/nicknames/
testNicknameName1"
} ]

```

XML Response:

```

<list>
  <nickname>
    <id>NICKNAME.testDom1.testPO1.testNicknameName1</id>
    <guid>DAB356E0-09EF-0000-8A08-20888CC82C5A</guid>
    <name>testNicknameName1</name>
    <objType>nickname</objType>
    <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/nicknames/
testNicknameName1</url>
    <timeCreated>1371072577000</timeCreated>
    <timeLastMod>1371072577000</timeLastMod>
    <lastModifiedBy>admin.testSystem1</lastModifiedBy>
    <lastModifiedOp>ADD</lastModifiedOp>
    <forceNullOnAttrs/>
    <domainName>testDom1</domainName>
    <postOfficeName>testPO1</postOfficeName>
    <visibility>SYSTEM</visibility>
    <surname>testNicknameSurname1</surname>
    <userName>testUser1</userName>
    <userPostOfficeName>testPO1</userPostOfficeName>
    <userDomainName>testDom1</userDomainName>
    <realMemberType>USER</realMemberType>
  </nickname>
</list>

```

A.18 Requesting a List of Nicknames in a Domain

Request:

```
GET https://localhost:9999/gwadmin-service/list/NICKNAME/DOMAIN.testDom1
```

Response Status:

200 - OK

JSON Response:

```

[ {
  "id" : "NICKNAME.testDom1.testPO1.testNicknameName1",
  "guid" : "3E2536E0-09EF-0000-8A08-20888CC82C5A",
  "name" : "testNicknameName1",
  "links" : null,
  "timeCreated" : 1371072314000,
  "timeLastMod" : 1371072314000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "domainName" : "testDom1",
  "postOfficeName" : "testPO1",
  "description" : null,
  "emailAddresses" : null,
  "visibility" : "SYSTEM",
  "defaultInternetAgentName" : null,
  "allowedAddressFormats" : null,
  "internetDomainName" : null,
  "preferredAddressFormat" : null,
  "preferredEmailId" : null,
  "moveStatus" : null,
  "ldapDn" : null,
  "ldapId" : null,
  "directoryId" : null,
  "enableICalBrowse" : null,
  "restoreArea" : null,
  "expirationDate" : 0,

```

```

"externalRecord" : null,
"externalSync" : null,
"fileId" : null,
"accountID" : null,
"city" : null,
"company" : null,
"country" : null,
"department" : null,
"externalEntity" : null,
"externalSyncOverride" : null,
"faxNumber" : null,
"gatewayAccess" : null,
"givenName" : null,
"gwId" : null,
"homePhoneNumber" : null,
"ldapAuthentication" : null,
"location" : null,
"lastClientLoginTime" : null,
"lastClientType" : null,
"loginDisabled" : null,
"mailboxID" : null,
"middleInitial" : null,
"mobilePhoneNumber" : null,
"networkId" : null,
"otherPhoneNumber" : null,
"pagerNumber" : null,
"postalZipCode" : null,
"postOfficeBox" : null,
"stateProvince" : null,
"streetAddress" : null,
"suffix" : null,
"surname" : "testNicknameSurname1",
"telephoneNumber" : null,
"title" : null,
"groupAccessControlUpdateList" : null,
"groupMembersUpdateList" : null,
"adminDefined1" : null,
"adminDefined2" : null,
"adminDefined3" : null,
"adminDefined4" : null,
"adminDefined5" : null,
"adminDefined6" : null,
"adminDefined7" : null,
"adminDefined8" : null,
"adminDefined9" : null,
"adminDefined10" : null,
"adminDefined11" : null,
"adminDefined12" : null,
"adminDefined13" : null,
"adminDefined14" : null,
"adminDefined15" : null,
"adminDefined16" : null,
"adminDefined17" : null,
"adminDefined18" : null,
"adminDefined19" : null,
"adminDefined20" : null,
"mailboxSizeMb" : null,
"mailboxLicenseType" : null,
"referredUserName" : null,
"userName" : "testUser1",
"userPostOfficeName" : "testPO1",
"userDomainName" : "testDom1",
"realMemberType" : "USER",
"moveComplete" : null,
"directoryUser" : false,
"@type" : "nickname",
"@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/nicknames/
testNicknameName1"
} ]

```

```

XML Response:
<list>
  <nickname>
    <id>NICKNAME.testDom1.testPO1.testNicknameName1</id>
    <guid>DAB356E0-09EF-0000-8A08-20888CC82C5A</guid>
    <name>testNicknameName1</name>
    <objType>nickname</objType>
    <url>/gadmin-service/domains/testDom1/postoffices/testPO1/nicknames/
testNicknameName1</url>
    <timeCreated>1371072577000</timeCreated>
    <timeLastMod>1371072577000</timeLastMod>
    <lastModifiedBy>admin.testSystem1</lastModifiedBy>
    <lastModifiedOp>ADD</lastModifiedOp>
    <forceNullOnAttrs/>
    <domainName>testDom1</domainName>
    <postOfficeName>testPO1</postOfficeName>
    <visibility>SYSTEM</visibility>
    <surname>testNicknameSurname1</surname>
    <userName>testUser1</userName>
    <userPostOfficeName>testPO1</userPostOfficeName>
    <userDomainName>testDom1</userDomainName>
    <realMemberType>USER</realMemberType>
  </nickname>
</list>

```

A.19 Requesting a List of Nicknames in a Post Office

```

Request:
GET https://localhost:9999/gadmin-service/list/NICKNAME/
POST_OFFICE.testDom1.testPO1

```

```

Response Status:
200 - OK

```

```

JSON Response:
[ {
  "id" : "NICKNAME.testDom1.testPO1.testNicknameName1",
  "guid" : "3E2536E0-09EF-0000-8A08-20888CC82C5A",
  "name" : "testNicknameName1",
  "links" : null,
  "timeCreated" : 1371072314000,
  "timeLastMod" : 1371072314000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "domainName" : "testDom1",
  "postOfficeName" : "testPO1",
  "description" : null,
  "emailAddresses" : null,
  "visibility" : "SYSTEM",
  "defaultInternetAgentName" : null,
  "allowedAddressFormats" : null,
  "internetDomainName" : null,
  "preferredAddressFormat" : null,
  "preferredEmailId" : null,
  "moveStatus" : null,
  "ldapDn" : null,
  "ldapId" : null,
  "directoryId" : null,
  "enableICalBrowse" : null,
  "restoreArea" : null,
  "expirationDate" : 0,
  "externalRecord" : null,
  "externalSync" : null,
  "fileId" : null,
  "accountId" : null,

```

```

"city" : null,
"company" : null,
"country" : null,
"department" : null,
"externalEntity" : null,
"externalSyncOverride" : null,
"faxNumber" : null,
"gatewayAccess" : null,
"givenName" : null,
"gwId" : null,
"homePhoneNumber" : null,
"ldapAuthentication" : null,
"location" : null,
"lastClientLoginTime" : null,
"lastClientType" : null,
"loginDisabled" : null,
"mailboxId" : null,
"middleInitial" : null,
"mobilePhoneNumber" : null,
"networkId" : null,
"otherPhoneNumber" : null,
"pagerNumber" : null,
"postalZipCode" : null,
"postOfficeBox" : null,
"stateProvince" : null,
"streetAddress" : null,
"suffix" : null,
"surname" : "testNicknameSurname1",
"telephoneNumber" : null,
"title" : null,
"groupAccessControlUpdateList" : null,
"groupMembersUpdateList" : null,
"adminDefined1" : null,
"adminDefined2" : null,
"adminDefined3" : null,
"adminDefined4" : null,
"adminDefined5" : null,
"adminDefined6" : null,
"adminDefined7" : null,
"adminDefined8" : null,
"adminDefined9" : null,
"adminDefined10" : null,
"adminDefined11" : null,
"adminDefined12" : null,
"adminDefined13" : null,
"adminDefined14" : null,
"adminDefined15" : null,
"adminDefined16" : null,
"adminDefined17" : null,
"adminDefined18" : null,
"adminDefined19" : null,
"adminDefined20" : null,
"mailboxSizeMb" : null,
"mailboxLicenseType" : null,
"referredUserName" : null,
"userName" : "testUser1",
"userPostOfficeName" : "testPO1",
"userDomainName" : "testDom1",
"realMemberType" : "USER",
"moveComplete" : null,
"directoryUser" : false,
"@type" : "nickname",
"@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/nicknames/
testNicknameName1"
} ]

```

XML Response:

```

<list>
  <nickname>
    <id>NICKNAME.testDom1.testPO1.testNicknameName1</id>
  </nickname>
</list>

```

```

    <guid>DAB356E0-09EF-0000-8A08-20888CC82C5A</guid>
    <name>testNicknameName1</name>
    <objType>nickname</objType>
    <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/nicknames/
testNicknameName1</url>
    <timeCreated>1371072577000</timeCreated>
    <timeLastMod>1371072577000</timeLastMod>
    <lastModifiedBy>admin.testSystem1</lastModifiedBy>
    <lastModifiedOp>ADD</lastModifiedOp>
    <forceNullOnAttrs/>
    <domainName>testDom1</domainName>
    <postOfficeName>testPO1</postOfficeName>
    <visibility>SYSTEM</visibility>
    <surname>testNicknameSurname1</surname>
    <userName>testUser1</userName>
    <userPostOfficeName>testPO1</userPostOfficeName>
    <userDomainName>testDom1</userDomainName>
    <realMemberType>USER</realMemberType>
  </nickname>
</list>

```

A.20 Requesting a List of Nicknames for a User

Request:

```
GET https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/
users/testUser1/nicknames
```

Response Status:

200 - OK

JSON Response:

```

[ {
  "id" : "NICKNAME.testDom1.testPO1.testNicknameName1",
  "guid" : "3E2536E0-09EF-0000-8A08-20888CC82C5A",
  "name" : "testNicknameName1",
  "links" : null,
  "timeCreated" : 1371072314000,
  "timeLastMod" : 1371072314000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "domainName" : "testDom1",
  "postOfficeName" : "testPO1",
  "description" : null,
  "emailAddresses" : null,
  "visibility" : "SYSTEM",
  "defaultInternetAgentName" : null,
  "allowedAddressFormats" : null,
  "internetDomainName" : null,
  "preferredAddressFormat" : null,
  "preferredEmailId" : null,
  "moveStatus" : null,
  "ldapDn" : null,
  "ldapId" : null,
  "directoryId" : null,
  "enableICalBrowse" : null,
  "restoreArea" : null,
  "expirationDate" : 0,
  "externalRecord" : null,
  "externalSync" : null,
  "fileId" : null,
  "accountId" : null,
  "city" : null,
  "company" : null,
  "country" : null,
  "department" : null,

```

```

"externalEntity" : null,
"externalSyncOverride" : null,
"faxNumber" : null,
"gatewayAccess" : null,
"givenName" : null,
"gwId" : null,
"homePhoneNumber" : null,
"ldapAuthentication" : null,
"location" : null,
"lastClientLoginTime" : null,
"lastClientType" : null,
"loginDisabled" : null,
"mailboxId" : null,
"middleInitial" : null,
"mobilePhoneNumber" : null,
"networkId" : null,
"otherPhoneNumber" : null,
"pagerNumber" : null,
"postalZipCode" : null,
"postOfficeBox" : null,
"stateProvince" : null,
"streetAddress" : null,
"suffix" : null,
"surname" : "testNicknameSurname1",
"telephoneNumber" : null,
"title" : null,
"groupAccessControlUpdateList" : null,
"groupMembersUpdateList" : null,
"adminDefined1" : null,
"adminDefined2" : null,
"adminDefined3" : null,
"adminDefined4" : null,
"adminDefined5" : null,
"adminDefined6" : null,
"adminDefined7" : null,
"adminDefined8" : null,
"adminDefined9" : null,
"adminDefined10" : null,
"adminDefined11" : null,
"adminDefined12" : null,
"adminDefined13" : null,
"adminDefined14" : null,
"adminDefined15" : null,
"adminDefined16" : null,
"adminDefined17" : null,
"adminDefined18" : null,
"adminDefined19" : null,
"adminDefined20" : null,
"mailboxSizeMb" : null,
"mailboxLicenseType" : null,
"referredUserName" : null,
"userName" : "testUser1",
"userPostOfficeName" : "testPO1",
"userDomainName" : "testDom1",
"realMemberType" : "USER",
"moveComplete" : null,
"directoryUser" : false,
"@type" : "nickname",
"@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/nicknames/
testNicknameName1"
} ]

```

XML Response:

```

<list>
  <nickname>
    <id>NICKNAME.testDom1.testPO1.testNicknameName1</id>
    <guid>DAB356E0-09EF-0000-8A08-20888CC82C5A</guid>
    <name>testNicknameName1</name>
    <objType>nickname</objType>
    <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/nicknames/

```

```

testNicknameName1</url>
  <timeCreated>1371072577000</timeCreated>
  <timeLastMod>1371072577000</timeLastMod>
  <lastModifiedBy>admin.testSystem1</lastModifiedBy>
  <lastModifiedOp>ADD</lastModifiedOp>
  <forceNullOnAttrs/>
  <domainName>testDom1</domainName>
  <postOfficeName>testP01</postOfficeName>
  <visibility>SYSTEM</visibility>
  <surname>testNicknameSurname1</surname>
  <userName>testUser1</userName>
  <userPostOfficeName>testP01</userPostOfficeName>
  <userDomainName>testDom1</userDomainName>
  <realMemberType>USER</realMemberType>
</nickname>
</list>

```

A.21 Requesting Statistical Information about the GroupWise System

Request:

```
GET https://localhost:9999/gwadmin-service/system/info
```

Response Status:

200 - OK

JSON Response:

```

{
  "id" : null,
  "guid" : null,
  "name" : null,
  "links" : null,
  "timeCreated" : null,
  "timeLastMod" : null,
  "legacyDn" : null,
  "lastModifiedBy" : null,
  "lastModifiedOp" : null,
  "pendingOp" : null,
  "externalDomainCount" : 1,
  "externalGatewayCount" : 0,
  "externalPostOfficeCount" : 1,
  "domainCount" : 2,
  "gatewayCount" : 1,
  "postOfficeCount" : 2,
  "lastAuditDate" : null,
  "ownedResourceCount" : null,
  "gatewayAliasCount" : null,
  "nicknameCount" : null,
  "groupMembershipCount" : null,
  "libraryAccessCount" : null,
  "accessAccountsCount" : null,
  "mailboxSize" : null,
  "lastLoginDate" : null,
  "lastModTime" : null,
  "lastClientType" : null,
  "lastClientVersion" : null,
  "lastClientLanguage" : null,
  "memberCount" : null,
  "externalGroupCount" : 0,
  "externalLibraryCount" : 0,
  "externalResourceCount" : 0,
  "externalUserCount" : 1,
  "fullLicenseMailboxCount" : 0,
  "groupCount" : 1,
  "inactiveMailboxCount" : 0,
  "libraryCount" : 2,

```

```

"limitedLicenseMailboxCount" : 0,
"linuxMailboxCount" : null,
"linux65XMailboxCount" : null,
"linux70XMailboxCount" : null,
"linux80XMailboxCount" : null,
"mac5XMailboxCount" : null,
"mac6XMailboxCount" : null,
"mac70XMailboxCount" : null,
"mac80XMailboxCount" : null,
"macMailboxCount" : null,
"outlookConnector65XMailboxCount" : null,
"outlookConnector70XMailboxCount" : null,
"outlookConnector80XMailboxCount" : null,
"outlookConnectorMailboxCount" : null,
"resourceCount" : 1,
"totalMailboxCount" : 0,
"winX65XMailboxCount" : null,
"winX70XMailboxCount" : null,
"winX80XMailboxCount" : null,
"winXMailboxCount" : null,
"uncategorizedMailboxCount" : null,
"windows65XMailboxCount" : null,
"windows70XMailboxCount" : null,
"windows80XMailboxCount" : null,
"windowsMailboxCount" : null,
"windows2012XMailboxCount" : null,
"userCount" : 8,
"coexistenceExportedUserCount" : null,
"coexistenceImportedUserCount" : null,
"x400Count" : null,
"@type" : null,
"@url" : null
}

```

XML Response:

```

<systemInfo>
  <forceNullOnAttrs/>
  <externalDomainCount>1</externalDomainCount>
  <externalGatewayCount>0</externalGatewayCount>
  <externalPostOfficeCount>1</externalPostOfficeCount>
  <domainCount>2</domainCount>
  <gatewayCount>1</gatewayCount>
  <postOfficeCount>2</postOfficeCount>
  <externalGroupCount>0</externalGroupCount>
  <externalLibraryCount>0</externalLibraryCount>
  <externalResourceCount>0</externalResourceCount>
  <externalUserCount>1</externalUserCount>
  <fullLicenseMailboxCount>0</fullLicenseMailboxCount>
  <groupCount>1</groupCount>
  <inactiveMailboxCount>0</inactiveMailboxCount>
  <libraryCount>2</libraryCount>
  <limitedLicenseMailboxCount>0</limitedLicenseMailboxCount>
  <resourceCount>1</resourceCount>
  <totalMailboxCount>0</totalMailboxCount>
  <userCount>8</userCount>
</systemInfo>

```


A.22 Requesting Configuration Information about the GroupWise System

Request:
GET https://localhost:9999/gwadmin-service/system

Response Status:
200 - OK

JSON Response:

```
{
  "id" : "SYSTEM_RECORD.testSystem1",
  "guid" : "B5F73870-086F-0000-AE24-CEFE66AF19D4",
  "name" : "testSystem1",
  "links" : [ {
    "@title" : "adminservlets",
    "@href" : "/gwadmin-service/system/adminservices"
  }, {
    "@title" : "calpubhosts",
    "@href" : "/gwadmin-service/system/calpubhosts"
  }, {
    "@title" : "customaddresses",
    "@href" : "/gwadmin-service/system/customaddresses"
  }, {
    "@title" : "customaddressestest",
    "@href" : "/gwadmin-service/system/customaddresses/test"
  }, {
    "@title" : "defaulttimezones",
    "@href" : "/gwadmin-service/system/defaulttimezones"
  }, {
    "@title" : "directories",
    "@href" : "/gwadmin-service/system/directories"
  }, {
    "@title" : "expired",
    "@href" : "/gwadmin-service/system/expired"
  }, {
    "@title" : "externalsystems",
    "@href" : "/gwadmin-service/system/externalsystems"
  }, {
    "@title" : "globalsignatures",
    "@href" : "/gwadmin-service/system/globalsignatures"
  }, {
    "@title" : "info",
    "@href" : "/gwadmin-service/system/info"
  }, {
    "@title" : "internetdomains",
    "@href" : "/gwadmin-service/system/internetdomains"
  }, {
    "@title" : "ldapservers",
    "@href" : "/gwadmin-service/system/ldapservers"
  }, {
    "@title" : "maintenance",
    "@href" : "/gwadmin-service/system/maintenance"
  }, {
    "@title" : "moverequests",
    "@href" : "/gwadmin-service/system/moverequests"
  }, {
    "@title" : "pending",
    "@href" : "/gwadmin-service/system/pending"
  }, {
    "@title" : "recoverconnection",
    "@href" : "/gwadmin-service/system/recoverconnection"
  }, {
    "@title" : "acl",
    "@href" : "/gwadmin-service/system/acl"
  }, {
    "@title" : "restoreareas",
```

```

    "@href" : "/gwadmin-service/system/restoreareas"
  }, {
    "@title" : "scheduleevents",
    "@href" : "/gwadmin-service/system/scheduleevents"
  }, {
    "@title" : "scheduleeventactions",
    "@href" : "/gwadmin-service/system/scheduleeventactions"
  }, {
    "@title" : "softwareareas",
    "@href" : "/gwadmin-service/system/softwareareas"
  }, {
    "@title" : "timezones",
    "@href" : "/gwadmin-service/system/timezones"
  }, {
    "@title" : "trustedapps",
    "@href" : "/gwadmin-service/system/trustedapps"
  }, {
    "@title" : "userbyemail",
    "@href" : "/gwadmin-service/system/userbyemail"
  }, {
    "@title" : "domains",
    "@href" : "/gwadmin-service/domains"
  }, {
    "@title" : "gateways",
    "@href" : "/gwadmin-service/list/GATEWAY"
  }, {
    "@title" : "gwias",
    "@href" : "/gwadmin-service/list/GWIA"
  }, {
    "@title" : "groups",
    "@href" : "/gwadmin-service/list/GROUP"
  }, {
    "@title" : "libraries",
    "@href" : "/gwadmin-service/list/LIBRARY"
  }, {
    "@title" : "mtas",
    "@href" : "/gwadmin-service/list/MTA"
  }, {
    "@title" : "nicknames",
    "@href" : "/gwadmin-service/list/NICKNAME"
  }, {
    "@title" : "poas",
    "@href" : "/gwadmin-service/list/POA"
  }, {
    "@title" : "postoffices",
    "@href" : "/gwadmin-service/list/POST_OFFICE"
  }, {
    "@title" : "resources",
    "@href" : "/gwadmin-service/list/RESOURCE"
  }, {
    "@title" : "users",
    "@href" : "/gwadmin-service/list/USER"
  }
],
"timeCreated" : null,
"timeLastMod" : 1370908693000,
"legacyDn" : null,
"lastModifiedBy" : "admin.testSystem1",
"lastModifiedOp" : "MODIFY",
"pendingOp" : null,
"description" : null,
"externalDomain" : null,
"receiveExternalDomains" : null,
"receiveExternalGroups" : null,
"receiveExternalPostOffices" : null,
"receiveExternalResources" : null,
"receiveExternalUsers" : null,
"sendExternalDomains" : null,
"sendExternalGroups" : null,
"sendExternalPostOffices" : null,
"sendExternalResources" : null,

```

```

"sendExternalUsers" : null,
"showDirXMLWarnings" : false,
"allowedAddressFormats" : [ "HOST", "USER", "LAST_FIRST", "FIRST_LAST", "FLAST"
],
"allowExternalBusySearch" : false,
"allowExternalStatusTracking" : false,
"archiveServiceApp" : null,
"allowSendDirect" : false,
"autoCreateNickname" : "PROMPT",
"autoSetUserRights" : false,
"defaultGlobalSignatureName" : null,
"defaultInternetAgentName" : "testDom1.GWIA",
"defaultNewUserPassword" : null,
"defaultRoutingDomain" : null,
"domainType" : null,
"emailPublish" : [ "PREFERRED ADDRESS" ],
"emailPublishFormats" : [ "PREFERRED" ],
"enableICalBrowse" : true,
"firstInitialLastNameMatch" : false,
"forceMessages" : false,
"preferredAddressFormat" : "FULL",
"internetDomainName" : "testdomain.com",
"lockoutOldVersions" : null,
"minSnapinDate" : null,
"minSnapinVersion" : null,
"mtaProfileName" : null,
"nicknameExpireDays" : 30,
"primaryConnectionRequired" : null,
"restrictOpsToPrimaryDom" : true,
"systemType" : "LOCAL",
"systemAdminName" : "admin",
"useFullDN" : true,
"@type" : null,
"@url" : "/gwaadmin-service/system"
}

```

XML Response:

```

<system>
  <id>SYSTEM_RECORD.testSystem1</id>
  <guid>B5F73870-086F-0000-AE24-CEFE66AF19D4</guid>
  <name>testSystem1</name>
  <url>/gwaadmin-service/system</url>
  <links key="adminsServices" href="/gwaadmin-service/system/adminservices"/>
  <links key="calpubhosts" href="/gwaadmin-service/system/calpubhosts"/>
  <links key="customaddresses" href="/gwaadmin-service/system/customaddresses"/>
  <links key="customaddressestest" href="/gwaadmin-service/system/customaddresses/
test"/>
  <links key="defaulttimezones" href="/gwaadmin-service/system/defaulttimezones"/>
  <links key="directories" href="/gwaadmin-service/system/directories"/>
  <links key="expired" href="/gwaadmin-service/system/expired"/>
  <links key="externalsystemsSync" href="/gwaadmin-service/system/
externalsystemsSync"/>
  <links key="globalsignatures" href="/gwaadmin-service/system/globalsignatures"/>
  <links key="info" href="/gwaadmin-service/system/info"/>
  <links key="internetdomains" href="/gwaadmin-service/system/internetdomains"/>
  <links key="ldapservers" href="/gwaadmin-service/system/ldapservers"/>
  <links key="maintenance" href="/gwaadmin-service/system/maintenance"/>
  <links key="moverequests" href="/gwaadmin-service/system/moverequests"/>
  <links key="pending" href="/gwaadmin-service/system/pending"/>
  <links key="recoverconnection" href="/gwaadmin-service/system/recoverconnection"/>
  >
  <links key="acl" href="/gwaadmin-service/system/acl"/>
  <links key="restoreareas" href="/gwaadmin-service/system/restoreareas"/>
  <links key="schedulevents" href="/gwaadmin-service/system/schedulevents"/>
  <links key="scheduleventactions" href="/gwaadmin-service/system/
scheduleventactions"/>
  <links key="softwareareas" href="/gwaadmin-service/system/softwareareas"/>
  <links key="timezones" href="/gwaadmin-service/system/timezones"/>
  <links key="trustedapps" href="/gwaadmin-service/system/trustedapps"/>
  <links key="userbyemail" href="/gwaadmin-service/system/userbyemail"/>

```

```

<links key="domains" href="/gwadmin-service/domains"/>
<links key="gateways" href="/gwadmin-service/list/GATEWAY"/>
<links key="gwas" href="/gwadmin-service/list/GWIA"/>
<links key="groups" href="/gwadmin-service/list/GROUP"/>
<links key="libraries" href="/gwadmin-service/list/LIBRARY"/>
<links key="mtas" href="/gwadmin-service/list/MTA"/>
<links key="nicknames" href="/gwadmin-service/list/NICKNAME"/>
<links key="poas" href="/gwadmin-service/list/POA"/>
<links key="postoffices" href="/gwadmin-service/list/POST_OFFICE"/>
<links key="resources" href="/gwadmin-service/list/RESOURCE"/>
<links key="users" href="/gwadmin-service/list/USER"/>
<timeLastMod>1370908693000</timeLastMod>
<lastModifiedBy>admin.testSystem1</lastModifiedBy>
<lastModifiedOp>MODIFY</lastModifiedOp>
<forceNullOnAttrs/>
<allowedAddressFormats class="AttrNoUsed">HOST</allowedAddressFormats>
<allowedAddressFormats class="AttrNoUsed">USER</allowedAddressFormats>
<allowedAddressFormats class="AttrNoUsed">LAST_FIRST</allowedAddressFormats>
<allowedAddressFormats class="AttrNoUsed">FIRST_LAST</allowedAddressFormats>
<allowedAddressFormats class="AttrNoUsed">FLAST</allowedAddressFormats>
<allowExternalBusySearch>>false</allowExternalBusySearch>
<allowExternalStatusTracking>>false</allowExternalStatusTracking>
<allowSendDirect>>false</allowSendDirect>
<autoCreateNickname>PROMPT</autoCreateNickname>
<autoSetUserRights>>false</autoSetUserRights>
<defaultInternetAgentName>testDom1.GWIA</defaultInternetAgentName>
<emailPublish>PREFERRED_ADDRESS</emailPublish>
<emailPublishFormats>PREFERRED</emailPublishFormats>
<enableICalBrowse>>true</enableICalBrowse>
<firstInitialLastNameMatch>>false</firstInitialLastNameMatch>
<forceMessages>>false</forceMessages>
<preferredAddressFormat>FULL</preferredAddressFormat>
<internetDomainName>testdomain.com</internetDomainName>
<nicknameExpireDays>30</nicknameExpireDays>
<restrictOpsToPrimaryDom>>true</restrictOpsToPrimaryDom>
<showDirXMLWarnings>>false</showDirXMLWarnings>
<systemType>LOCAL</systemType>
<systemAdminName>admin</systemAdminName>
<useFullDN>>true</useFullDN>
</system>

```

A.23 Requesting Configuration Information about a Domain

Request:

```
GET https://localhost:9999/gwadmin-service/system/connecteddomain
```

Response Status:

200 - OK

JSON Response:

```

{
  "id" : "DOMAIN.testDom1",
  "guid" : "BC755C40-086F-0000-AE24-CEFE66AF19D4",
  "name" : "testDom1",
  "links" : [ {
    "@title" : "administrator",
    "@href" : "/gwadmin-service/domains/testDom1/administrator"
  }, {
    "@title" : "clientoptions",
    "@href" : "/gwadmin-service/domains/testDom1/clientoptions"
  }, {
    "@title" : "customaddresses",
    "@href" : "/gwadmin-service/domains/testDom1/customaddresses"
  }, {
    "@title" : "customaddressestest",
    "@href" : "/gwadmin-service/domains/testDom1/customaddresses/test"
  }, {

```

```

    "@title" : "gatewaysubdirs",
    "@href" : "/gwadmin-service/domains/testDom1/gatewaysubdirs"
  }, {
    "@title" : "info",
    "@href" : "/gwadmin-service/domains/testDom1/info"
  }, {
    "@title" : "maintenance",
    "@href" : "/gwadmin-service/domains/testDom1/maintenance"
  }, {
    "@title" : "moverequests",
    "@href" : "/gwadmin-service/domains/testDom1/moverequests"
  }, {
    "@title" : "mta",
    "@href" : "/gwadmin-service/domains/testDom1/mta"
  }, {
    "@title" : "postoffices",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices"
  }, {
    "@title" : "acl",
    "@href" : "/gwadmin-service/domains/testDom1/acl"
  }, {
    "@title" : "synchronize",
    "@href" : "/gwadmin-service/domains/testDom1/synchronize"
  }, {
    "@title" : "users",
    "@href" : "/gwadmin-service/list/USER/DOMAIN.testDom1"
  }, {
    "@title" : "mtas",
    "@href" : "/gwadmin-service/list/MTA/DOMAIN.testDom1"
  }, {
    "@title" : "libraries",
    "@href" : "/gwadmin-service/list/LIBRARY/DOMAIN.testDom1"
  }, {
    "@title" : "poas",
    "@href" : "/gwadmin-service/list/POA/DOMAIN.testDom1"
  }, {
    "@title" : "resources",
    "@href" : "/gwadmin-service/list/RESOURCE/DOMAIN.testDom1"
  }, {
    "@title" : "gwias",
    "@href" : "/gwadmin-service/list/GWIA/DOMAIN.testDom1"
  }, {
    "@title" : "groups",
    "@href" : "/gwadmin-service/list/GROUP/DOMAIN.testDom1"
  }
] ],
"timeCreated" : null,
"timeLastMod" : 1370885999000,
"legacyDn" : null,
"lastModifiedBy" : "Unknown admin",
"lastModifiedOp" : "ADD",
"pendingOp" : null,
"allowedAddressFormats" : {
  "inherited" : true,
  "inheritedFrom" : "testSystem1",
  "inheritedValue" : [ "FLAST", "USER", "FIRST_LAST", "HOST", "LAST_FIRST" ],
  "value" : [ "FLAST", "USER", "FIRST_LAST", "HOST", "LAST_FIRST" ]
},
"addressBookView" : null,
"alternateInternetAgentName" : null,
"enableICalBrowse" : {
  "value" : true,
  "inheritedValue" : true,
  "inheritedFrom" : "testSystem1",
  "inherited" : true
},
"databaseVersion" : null,
"defaultInternetAgentName" : {
  "value" : "testDom1.GWIA",
  "inheritedValue" : "testDom1.GWIA",
  "inheritedFrom" : "testSystem1",

```

```

    "inherited" : true
  },
  "defaultWebAccess" : null,
  "description" : null,
  "directoryName" : null,
  "directorySyncDomainName" : "testDom1",
  "domainRebuildCount" : 0,
  "domainType" : "PRIMARY",
  "domainVersion" : 1212,
  "externalSync" : null,
  "fileId" : "tesf6f",
  "gwId" : null,
  "hideUserComments" : null,
  "internetDomainName" : {
    "inherited" : true,
    "inheritedFrom" : "testSystem1",
    "inheritedValue" : "testdomain.com",
    "value" : "testdomain.com",
    "exclusive" : null
  },
  "language" : "English - US",
  "languageId" : "0",
  "linkedDomainName" : null,
  "lockoutOldAdmin" : null,
  "minimumAdminReleaseDate" : null,
  "minimumAdminVersion" : null,
  "platform" : null,
  "preferredAddressFormat" : {
    "inherited" : true,
    "inheritedFrom" : "testSystem1",
    "inheritedValue" : "FULL",
    "value" : "FULL"
  },
  "timezone" : "(GMT-07:00) Mountain Time (US & Canada)",
  "timezoneId" : "MST",
  "path" : "C:\\Novell\\GroupWise\\testDomain1\\",
  "adminChanges" : null,
  "mtaAddress" : null,
  "mtaMtpPort" : null,
  "mtaHttpPort" : null,
  "mtaAdminPort" : null,
  "remoteCreation" : null,
  "notifyUser" : null,
  "clearNotifyUser" : false,
  "connected" : true,
  "@type" : null,
  "@url" : "/gwadmin-service/domains/testDom1"
}

```

XML Response:

```

<domain>
  <id>DOMAIN.testDom1</id>
  <guid>BC755C40-086F-0000-AE24-CEFE66AF19D4</guid>
  <name>testDom1</name>
  <url>/gwadmin-service/domains/testDom1</url>
  <links key="administrator" href="/gwadmin-service/domains/testDom1/
administrator"/>
  <links key="clientoptions" href="/gwadmin-service/domains/testDom1/
clientoptions"/>
  <links key="customaddresses" href="/gwadmin-service/domains/testDom1/
customaddresses"/>
  <links key="customaddresses/test" href="/gwadmin-service/domains/testDom1/
customaddresses/test"/>
  <links key="gatewaysubdirs" href="/gwadmin-service/domains/testDom1/
gatewaysubdirs"/>
  <links key="info" href="/gwadmin-service/domains/testDom1/info"/>
  <links key="maintenance" href="/gwadmin-service/domains/testDom1/maintenance"/>
  <links key="moverequests" href="/gwadmin-service/domains/testDom1/moverequests"/>
  >
  <links key="mta" href="/gwadmin-service/domains/testDom1/mta"/>

```

```

<links key="postoffices" href="/gwadmin-service/domains/testDom1/postoffices"/>
<links key="acl" href="/gwadmin-service/domains/testDom1/acl"/>
<links key="synchronize" href="/gwadmin-service/domains/testDom1/synchronize"/>
<links key="users" href="/gwadmin-service/list/USER/DOMAIN.testDom1"/>
<links key="mtas" href="/gwadmin-service/list/MTA/DOMAIN.testDom1"/>
<links key="libraries" href="/gwadmin-service/list/LIBRARY/DOMAIN.testDom1"/>
<links key="poas" href="/gwadmin-service/list/POA/DOMAIN.testDom1"/>
<links key="resources" href="/gwadmin-service/list/RESOURCE/DOMAIN.testDom1"/>
<links key="gwias" href="/gwadmin-service/list/GWIA/DOMAIN.testDom1"/>
<links key="groups" href="/gwadmin-service/list/GROUP/DOMAIN.testDom1"/>
<timeLastMod>1370885999000</timeLastMod>
<lastModifiedBy>Unknown admin</lastModifiedBy>
<lastModifiedOp>ADD</lastModifiedOp>
<forceNullOnAttrs/>
<allowedAddressFormats>
  <inherited>true</inherited>
  <inheritedFrom>testSystem1</inheritedFrom>
  <inheritedValue>
    <AttrNoUsed>FLAST</AttrNoUsed>
    <AttrNoUsed>FIRST_LAST</AttrNoUsed>
    <AttrNoUsed>LAST_FIRST</AttrNoUsed>
    <AttrNoUsed>HOST</AttrNoUsed>
    <AttrNoUsed>USER</AttrNoUsed>
  </inheritedValue>
  <value>
    <AttrNoUsed>FLAST</AttrNoUsed>
    <AttrNoUsed>FIRST_LAST</AttrNoUsed>
    <AttrNoUsed>LAST_FIRST</AttrNoUsed>
    <AttrNoUsed>HOST</AttrNoUsed>
    <AttrNoUsed>USER</AttrNoUsed>
  </value>
</allowedAddressFormats>
<enableICalBrowse>
  <value class="boolean">true</value>
  <inheritedValue class="boolean">true</inheritedValue>
  <inheritedFrom>testSystem1</inheritedFrom>
  <inherited>true</inherited>
</enableICalBrowse>
<defaultInternetAgentName>
  <value class="string">testDom1.GWIA</value>
  <inheritedValue class="string">testDom1.GWIA</inheritedValue>
  <inheritedFrom>testSystem1</inheritedFrom>
  <inherited>true</inherited>
</defaultInternetAgentName>
<directorySyncDomainName>testDom1</directorySyncDomainName>
<domainRebuildCount>0</domainRebuildCount>
<domainType>PRIMARY</domainType>
<domainVersion>1212</domainVersion>
<fileId>tesf6f</fileId>
<internetDomainName>
  <inherited>true</inherited>
  <inheritedFrom>testSystem1</inheritedFrom>
  <inheritedValue>testdomain.com</inheritedValue>
  <value>testdomain.com</value>
</internetDomainName>
<language>English - US</language>
<languageId>0</languageId>
<preferredAddressFormat>
  <inherited>true</inherited>
  <inheritedFrom>testSystem1</inheritedFrom>
  <inheritedValue>FULL</inheritedValue>
  <value>FULL</value>
</preferredAddressFormat>
<timezone>(GMT-07:00) Mountain Time (US & Canada)</timezone>
<timezoneId>MST</timezoneId>
<path>C:\Novell\GroupWise\testDomain1\  
</path>
<clearNotifyUser>>false</clearNotifyUser>
<connected>true</connected>
</domain>

```

A.24 Requesting Configuration Information about an MTA

Request:

```
GET https://localhost:9999/gwadmin-service/domains/testDom1/mta
```

Response Status:

200 - OK

JSON Response:

```
{
  "id" : "MTA.testDom1",
  "guid" : "BC7694C0-086F-0000-AE24-CEFE66AF19D4",
  "name" : "MTA",
  "links" : [ {
    "@title" : "manage",
    "@href" : "/gwadmin-service/domains/testDom1/mta/manage"
  }, {
    "@title" : "refevents",
    "@href" : "/gwadmin-service/domains/testDom1/mta/refevents"
  }, {
    "@title" : "domain",
    "@href" : "/gwadmin-service/domains/testDom1"
  } ],
  "timeCreated" : null,
  "timeLastMod" : 1370970807000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "MODIFY",
  "pendingOp" : null,
  "adminName" : null,
  "agentType" : "MTA",
  "bindExclusive" : null,
  "description" : "GroupWise Message Transfer Agent",
  "httpPort" : 7180,
  "httpUser" : "admin",
  "logFilePath" : null,
  "logLevel" : "NORMAL",
  "logMaxAge" : 30,
  "logMaxSize" : 102400,
  "platform" : "WINDOWS",
  "snmpCommunityGetString" : null,
  "sslCertfile" : null,
  "sslKeyFile" : null,
  "sslKeyPassword" : null,
  "ipAddress" : "127.0.0.1",
  "ipPort" : null,
  "sslEnabled" : null,
  "domainName" : "testDom1",
  "postOfficeName" : null,
  "timezoneId" : null,
  "languageId" : null,
  "timezone" : null,
  "language" : null,
  "externalSync" : null,
  "httpPortUsesSsl" : "DISABLED",
  "attachRetry" : 60,
  "autoDBRecovery" : true,
  "collectDeliveryStatusReports" : null,
  "collectOtherStatusReports" : null,
  "correlateDeliveryStatusReports" : null,
  "defaultRoutingDomain" : null,
  "messageLogFilePath" : null,
  "messageLogging" : "OFF",
  "mtpPortUsesSsl" : "DISABLED",
  "mtaRouteDelivery" : 0,
  "mtaSendDirect" : 0,
  "mtpPort" : 7100,
  "reportsCleanupDays" : null,
}
```



```

"scanCycle" : 15,
"scanHigh" : 5,
"trackAdminMessages" : null,
"use2ndHighScanner" : true,
"use2ndMailScanner" : true,
"serverFlags" : 1,
"adminPort" : 9999,
"syncLdapServerName" : null,
"httpEnabled" : null,
"httpPassword" : null,
"exchangeCoexistenceProfiles" : null,
"coexistenceSyncInterval" : 0,
"coexistenceSyncStartOffset" : 0,
"@type" : null,
"@url" : "/gwadmin-service/domains/testDom1/mta",
"FID" : null
}

```

XML Response:

```

<mta>
  <id>MTA.testDom1</id>
  <guid>BC7694C0-086F-0000-AE24-CEFE66AF19D4</guid>
  <name>MTA</name>
  <url>/gwadmin-service/domains/testDom1/mta</url>
  <links key="manage" href="/gwadmin-service/domains/testDom1/mta/manage"/>
  <links key="refevents" href="/gwadmin-service/domains/testDom1/mta/refevents"/>
  <links key="domain" href="/gwadmin-service/domains/testDom1"/>
  <timeLastMod>1370970807000</timeLastMod>
  <lastModifiedBy>admin.testSystem1</lastModifiedBy>
  <lastModifiedOp>MODIFY</lastModifiedOp>
  <forceNullOnAttrs/>
  <agentType>MTA</agentType>
  <description>GroupWise Message Transfer Agent</description>
  <httpPort>7180</httpPort>
  <logLevel>NORMAL</logLevel>
  <logMaxAge>30</logMaxAge>
  <logMaxSize>102400</logMaxSize>
  <platform>WINDOWS</platform>
  <ipAddress>127.0.0.1</ipAddress>
  <domainName>testDom1</domainName>
  <httpPortUsesSsl>DISABLED</httpPortUsesSsl>
  <attachRetry>60</attachRetry>
  <autoDBRecovery>true</autoDBRecovery>
  <messageLogging>OFF</messageLogging>
  <mtpPortUsesSsl>DISABLED</mtpPortUsesSsl>
  <mtaRouteDelivery>0</mtaRouteDelivery>
  <mtaSendDirect>0</mtaSendDirect>
  <mtpPort>7100</mtpPort>
  <scanCycle>15</scanCycle>
  <scanHigh>5</scanHigh>
  <use2ndHighScanner>true</use2ndHighScanner>
  <use2ndMailScanner>true</use2ndMailScanner>
  <serverFlags>1</serverFlags>
  <adminPort>9999</adminPort>
  <httpUser>admin</httpUser>
  <coexistenceSyncInterval>0</coexistenceSyncInterval>
  <coexistenceSyncStartOffset>0</coexistenceSyncStartOffset>
</mta>

```

A.25 Requesting Configuration Information about a POA

Request:

```
GET https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/
poas
```

Response Status:

200 - OK

JSON Response:

```
[ {
  "id" : "POA.testDom1.testPO1.POA",
  "guid" : "56A986B1-0870-0000-8A08-FB644894ACE1",
  "name" : "POA",
  "links" : null,
  "timeCreated" : null,
  "timeLastMod" : 1370970807000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "MODIFY",
  "pendingOp" : null,
  "adminName" : null,
  "agentType" : "POA",
  "bindExclusive" : false,
  "description" : "GroupWise Post Office Agent",
  "httpPort" : 7181,
  "httpUser" : "admin",
  "logFilePath" : null,
  "logLevel" : "NORMAL",
  "logMaxAge" : 30,
  "logMaxSize" : 102400,
  "platform" : "WINDOWS",
  "snmpCommunityGetString" : null,
  "sslCertfile" : null,
  "sslKeyFile" : null,
  "sslKeyPassword" : null,
  "ipAddress" : "127.0.0.1",
  "ipPort" : null,
  "sslEnabled" : null,
  "domainName" : "testDom1",
  "postOfficeName" : "testPO1",
  "timezoneId" : null,
  "languageId" : null,
  "timezone" : null,
  "language" : null,
  "externalSync" : null,
  "httpPortUsesSsl" : "DISABLED",
  "address" : null,
  "adminAgentFlag" : 0,
  "administrationTaskProcessingDisabled" : false,
  "appConnections" : 2048,
  "cacheEnabled" : true,
  "calendarPublishingEnabled" : true,
  "calendarPublishingPort" : 7171,
  "calendarPublishingThreads" : 4,
  "clientServerEnabled" : true,
  "clientServerThreads" : 10,
  "cpuUtilization" : 85,
  "delayTime" : 100,
  "externalIpAddress" : null,
  "externalClientServerPort" : 0,
  "fileId" : null,
  "httpEnabled" : true,
  "httpPassword" : null,
  "imapEnabled" : false,
  "imapPort" : 143,
  "imapSslPort" : 993,
  "imapThreads" : 40,
}
```

```

"internalClientServerPort" : 1677,
"ipxAddress" : null,
"messageFileProcessing" : "ALL_MESSAGES",
"messageHandlerThreads" : 6,
"mtaport" : null,
"mtpPort" : 7101,
"physicalConnections" : 2048,
"primeMoveThreadUsage" : 30,
"snmpEnabled" : false,
"soapPort" : 7191,
"soapExternalPort" : 7191,
"soapEnabled" : true,
"soapThreads" : 40,
"quickFinderEnabled" : true,
"quickFinderIndexBase" : 20,
"quickFinderIndexBaseMinute" : 59,
"quickFinderInterval" : 23,
"quickFinderIntervalMinute" : 59,
"quickFinderQuarantineFiles" : false,
"autoDBRecovery" : true,
"maintenanceHandlerThreads" : 4,
"performUserUpkeep" : true,
"userUpkeepOffset" : 1,
"generateRemoteAddressBook" : true,
"generateRemoteAddressBookOffset" : 0,
"diskCheckInterval" : 5,
"diskCheckDelay" : 2,
"clientServerExtUsesSsl" : "ENABLED",
"clientServerUsesSsl" : "ENABLED",
"imapUsesSsl" : "DISABLED",
"soapUsesSsl" : "DISABLED",
"mtpPortUsesSsl" : "DISABLED",
"adminPort" : 9999,
"@type" : "poa",
"@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/poas/POA",
"FID" : null
} ]

```

XML Response:

```

<list>
  <poa>
    <id>POA.testDom1.testPO1.POA</id>
    <guid>56A986B1-0870-0000-8A08-FB644894ACE1</guid>
    <name>POA</name>
    <objType>poa</objType>
    <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/poas/POA</url>
    <timeLastMod>1370970807000</timeLastMod>
    <lastModifiedBy>admin.testSystem1</lastModifiedBy>
    <lastModifiedOp>MODIFY</lastModifiedOp>
    <forceNullOnAttrs/>
    <agentType>POA</agentType>
    <bindExclusive>>false</bindExclusive>
    <description>GroupWise Post Office Agent</description>
    <httpPort>7181</httpPort>
    <logLevel>NORMAL</logLevel>
    <logMaxAge>30</logMaxAge>
    <logMaxSize>102400</logMaxSize>
    <platform>WINDOWS</platform>
    <ipAddress>127.0.0.1</ipAddress>
    <domainName>testDom1</domainName>
    <postOfficeName>testPO1</postOfficeName>
    <adminAgentFlag>0</adminAgentFlag>
    <administrationTaskProcessingDisabled>>false</
administrationTaskProcessingDisabled>
    <appConnections>2048</appConnections>
    <cacheEnabled>>true</cacheEnabled>
    <calendarPublishingEnabled>>true</calendarPublishingEnabled>
    <calendarPublishingPort>7171</calendarPublishingPort>
    <calendarPublishingThreads>4</calendarPublishingThreads>
    <clientServerEnabled>>true</clientServerEnabled>

```

```

<clientServerThreads>10</clientServerThreads>
<cpuUtilization>85</cpuUtilization>
<delayTime>100</delayTime>
<externalClientServerPort>0</externalClientServerPort>
<httpEnabled>true</httpEnabled>
<httpUser>admin</httpUser>
<imapEnabled>false</imapEnabled>
<imapPort>143</imapPort>
<imapSslPort>993</imapSslPort>
<imapThreads>40</imapThreads>
<internalClientServerPort>1677</internalClientServerPort>
<messageFileProcessing>ALL_MESSAGES</messageFileProcessing>
<messageHandlerThreads>6</messageHandlerThreads>
<mtpPort>7101</mtpPort>
<physicalConnections>2048</physicalConnections>
<primeMoveThreadUsage>30</primeMoveThreadUsage>
<snmpEnabled>false</snmpEnabled>
<soapPort>7191</soapPort>
<soapExternalPort>7191</soapExternalPort>
<soapEnabled>true</soapEnabled>
<soapThreads>40</soapThreads>
<quickFinderEnabled>true</quickFinderEnabled>
<quickFinderIndexBase>20</quickFinderIndexBase>
<quickFinderIndexBaseMinute>59</quickFinderIndexBaseMinute>
<quickFinderInterval>23</quickFinderInterval>
<quickFinderIntervalMinute>59</quickFinderIntervalMinute>
<quickFinderQuarantineFiles>false</quickFinderQuarantineFiles>
<autoDBRecovery>true</autoDBRecovery>
<maintenanceHandlerThreads>4</maintenanceHandlerThreads>
<performUserUpkeep>true</performUserUpkeep>
<userUpkeepOffset>1</userUpkeepOffset>
<generateRemoteAddressBook>true</generateRemoteAddressBook>
<generateRemoteAddressBookOffset>0</generateRemoteAddressBookOffset>
<diskCheckInterval>5</diskCheckInterval>
<diskCheckDelay>2</diskCheckDelay>
<clientServerExtUsesSsl>ENABLED</clientServerExtUsesSsl>
<clientServerUsesSsl>ENABLED</clientServerUsesSsl>
<imapUsesSsl>DISABLED</imapUsesSsl>
<soapUsesSsl>DISABLED</soapUsesSsl>
<httpPortUsesSsl>DISABLED</httpPortUsesSsl>
<mtpPortUsesSsl>DISABLED</mtpPortUsesSsl>
<adminPort>9999</adminPort>
</poa>
</list>

```

A.26 Creating a GroupWise User

JSON Request:

```
POST https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/users
  expirationDate=0
  postOfficeName=testPO1
  name=testUser1
  surname=testSurname1
  directoryUser=false
  domainName=testDom1
```

XML Request:

```
POST https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/users
<user>
  <name>testUser1</name>
  <forceNullOnAttrs/>
  <domainName>testDom1</domainName>
  <postOfficeName>testPO1</postOfficeName>
  <surname>testSurname1</surname>
</user>
```

Response Status:

201 - Created

URL location of the User = <https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1>

A.27 Creating an External User

JSON Request:

```
POST https://localhost:9999/gwadmin-service/domains/testExtDom1/postoffices/testExtPO1/users
  expirationDate=0
  postOfficeName=testExtPO1
  name=testExtUser1
  directoryUser=false
  domainName=testExtDom1
```

XML Request:

```
POST https://localhost:9999/gwadmin-service/domains/testExtDom1/postoffices/testExtPO1/users
<user>
  <name>testExtUser1</name>
  <forceNullOnAttrs/>
  <domainName>testExtDom1</domainName>
  <postOfficeName>testExtPO1</postOfficeName>
</user>
```

Response Status:

201 - Created

URL location of the external User = <https://localhost:9999/gwadmin-service/domains/testExtDom1/postoffices/testExtPO1/users/testExtUser1>

A.28 Creating a GroupWise User with Chinese Characters in the Last Name

JSON Request:

```
POST https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/users
  expirationDate=0
  postOfficeName=testPO1
  name=testChineseUser1
  surname=????
  directoryUser=false
  domainName=testDom1
```

XML Request:

```
POST https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/users
<user>
  <name>testChineseUser1</name>
  <forceNullOnAttrs/>
  <domainName>testDom1</domainName>
  <postOfficeName>testPO1</postOfficeName>
  <surname>????</surname>
</user>
```

Response Status:

201 - Created

URL location of the User = <https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testChineseUser1>

A.29 Updating a User's First Name That Has Chinese Characters

JSON Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testChineseUser1
  streetAddress=??
  expirationDate=0
  directoryUser=false
  givenName=?????????
  country=China
```

XML Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testChineseUser1
<user>
  <forceNullOnAttrs/>
  <country>China</country>
  <givenName>?????????</givenName>
  <streetAddress>??</streetAddress>
</user>
```

Response Status:

200 - OK

A.30 Renaming a User

JSON Request:
POST https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/
rename
 objectId=USER.testDom1.testPO1.testChineseUser1
 newObjectId=testRenamedUser1

XML Request:
POST https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/
rename
<renameRequest>
 <objectId>USER.testDom1.testPO1.testChineseUser1</objectId>
 <newObjectId>testRenamedUser1</newObjectId>
</renameRequest>

Response Status:
200 - OK

A.31 Creating a GroupWise Group

JSON Request:
POST https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/
groups
 exclusiveInternetDomain=false
 postOfficeName=testPO1
 name=testGroup1
 directoryUser=false
 domainName=testDom1

XML Request:
POST https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/
groups
<group>
 <name>testGroup1</name>
 <forceNullOnAttrs/>
 <domainName>testDom1</domainName>
 <postOfficeName>testPO1</postOfficeName>
 <exclusiveInternetDomain>false</exclusiveInternetDomain>
</group>

Response Status:
201 - Created

URL location of the Group = https://localhost:9999/gwadmin-service/domains/
testDom1/postoffices/testPO1/groups/testGroup1

A.32 Adding a Member to a Group

JSON Request:
POST https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/testGroup1/members
id=GROUP.testDom1.testPO1.testUser1
participation=PRIMARY

XML Request:
POST https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/testGroup1/members
<member>
 <id>GROUP.testDom1.testPO1.testUser1</id>
 <forceNullOnAttrs/>
 <participation>PRIMARY</participation>
</member>

Response Status:
201 - Created

A.33 Updating the Participation of a Member of a Group

JSON Request:
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/testGroup1/members/USER.testDom1.testPO1.testUser1
participation=CARBON_COPY

XML Request:
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/testGroup1/members/USER.testDom1.testPO1.testUser1
<member>
 <forceNullOnAttrs/>
 <participation>CARBON_COPY</participation>
</member>

Response Status:
200 - OK

A.34 Requesting an Access Control List for a Group

Request:
GET https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/testGroup1/acl

Response Status:
200 - OK

JSON Response:
[{
 " id " : "USER.testDom1.testPO1.testGroupMember3",
 " guid " : null,
 " name " : "testGroupMember3",
 " links " : null,
 " timeCreated " : null,
 " timeLastMod " : null,
 " legacyDn " : null,
 " lastModifiedBy " : null,
 " lastModifiedOp " : null,
 " pendingOp " : null,
 " postOfficeName " : "testPO1",
 " domainName " : "testDom1",
 " rights " : "READ",
 " @type " : "accessControl",


```

"@url" : null
}, {
  "id" : "USER.testDom1.testPO1.testGroupMember4",
  "guid" : null,
  "name" : "testGroupMember4",
  "links" : null,
  "timeCreated" : null,
  "timeLastMod" : null,
  "legacyDn" : null,
  "lastModifiedBy" : null,
  "lastModifiedOp" : null,
  "pendingOp" : null,
  "postOfficeName" : "testPO1",
  "domainName" : "testDom1",
  "rights" : "READ",
  "@type" : "accessControl",
  "@url" : null
}, {
  "id" : "USER.testDom1.testPO1.testGroupMember5",
  "guid" : null,
  "name" : "testGroupMember5",
  "links" : null,
  "timeCreated" : null,
  "timeLastMod" : null,
  "legacyDn" : null,
  "lastModifiedBy" : null,
  "lastModifiedOp" : null,
  "pendingOp" : null,
  "postOfficeName" : "testPO1",
  "domainName" : "testDom1",
  "rights" : "READ",
  "@type" : "accessControl",
  "@url" : null
}, {
  "id" : "USER.testDom1.testPO1.testGroupMember6",
  "guid" : null,
  "name" : "testGroupMember6",
  "links" : null,
  "timeCreated" : null,
  "timeLastMod" : null,
  "legacyDn" : null,
  "lastModifiedBy" : null,
  "lastModifiedOp" : null,
  "pendingOp" : null,
  "postOfficeName" : "testPO1",
  "domainName" : "testDom1",
  "rights" : "READ",
  "@type" : "accessControl",
  "@url" : null
} ]

```

XML Response:

```

<list>
  <accessControl>
    <objType>accessControl</objType>
    <forceNullOnAttrs/>
    <postOfficeName>testPO1</postOfficeName>
    <domainName>testDom1</domainName>
    <name>testGroupMember3</name>
    <id>USER.testDom1.testPO1.testGroupMember3</id>
    <rights>READ</rights>
  </accessControl>
  <accessControl>
    <objType>accessControl</objType>
    <forceNullOnAttrs/>
    <postOfficeName>testPO1</postOfficeName>
    <domainName>testDom1</domainName>
    <name>testGroupMember4</name>
    <id>USER.testDom1.testPO1.testGroupMember4</id>
    <rights>READ</rights>

```

```

</accessControl>
<accessControl>
  <objType>accessControl</objType>
  <forceNullOnAttrs/>
  <postOfficeName>testP01</postOfficeName>
  <domainName>testDom1</domainName>
  <name>testGroupMember5</name>
  <id>USER.testDom1.testP01.testGroupMember5</id>
  <rights>READ</rights>
</accessControl>
<accessControl>
  <objType>accessControl</objType>
  <forceNullOnAttrs/>
  <postOfficeName>testP01</postOfficeName>
  <domainName>testDom1</domainName>
  <name>testGroupMember6</name>
  <id>USER.testDom1.testP01.testGroupMember6</id>
  <rights>READ</rights>
</accessControl>
</list>

```

A.35 Creating a GroupWise Resource

JSON Request:

```

POST https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testP01/
resources
  expirationDate=0
  postOfficeName=testP01
  name=testResource1
  owner=testUser1
  directoryUser=false
  domainName=testDom1

```

XML Request:

```

POST https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testP01/
resources
<resource>
  <name>testResource1</name>
  <forceNullOnAttrs/>
  <domainName>testDom1</domainName>
  <postOfficeName>testP01</postOfficeName>
  <owner>testUser1</owner>
</resource>

```

Response Status:

201 - Created

URL location of the Resource = <https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testP01/resources/testResource1>

A.36 Creating a GroupWise Nickname

JSON Request:

```
POST https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/nicknames
  userPostOfficeName=testPO1
  expirationDate=0
  postOfficeName=testPO1
  name=testNicknameName1
  userName=testUser1
  surname=testNicknameSurname1
  directoryUser=false
  domainName=testDom1
  userDomainName=testDom1
```

XML Request:

```
POST https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/nicknames
<nickname>
  <name>testNicknameName1</name>
  <forceNullOnAttrs/>
  <domainName>testDom1</domainName>
  <postOfficeName>testPO1</postOfficeName>
  <surname>testNicknameSurname1</surname>
  <userName>testUser1</userName>
  <userPostOfficeName>testPO1</userPostOfficeName>
  <userDomainName>testDom1</userDomainName>
</nickname>
```

Response Status:

201 - Created

URL location of the Nickname = <https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/nicknames/testNicknameName1>

A.37 Finding a Domain by Name

Request:

```
GET https://localhost:9999/gwadmin-service/domains/testDom1
```

Response Status:

200 - OK

JSON Response:

```
{
  "id" : "DOMAIN.testDom1",
  "guid" : "BC755C40-086F-0000-AE24-CEFE66AF19D4",
  "name" : "testDom1",
  "links" : [ {
    "@title" : "administrator",
    "@href" : "/gwadmin-service/domains/testDom1/administrator"
  }, {
    "@title" : "clientoptions",
    "@href" : "/gwadmin-service/domains/testDom1/clientoptions"
  }, {
    "@title" : "customaddresses",
    "@href" : "/gwadmin-service/domains/testDom1/customaddresses"
  }, {
    "@title" : "customaddressestest",
    "@href" : "/gwadmin-service/domains/testDom1/customaddresses/test"
  }, {
    "@title" : "gatewaysubdirs",
    "@href" : "/gwadmin-service/domains/testDom1/gatewaysubdirs"
  }, {
    "@title" : "info",
    "@href" : "/gwadmin-service/domains/testDom1/info"
  }
]
```

```

}, {
  "@title" : "maintenance",
  "@href" : "/gwadmin-service/domains/testDom1/maintenance"
}, {
  "@title" : "moverequests",
  "@href" : "/gwadmin-service/domains/testDom1/moverequests"
}, {
  "@title" : "mta",
  "@href" : "/gwadmin-service/domains/testDom1/mta"
}, {
  "@title" : "postoffices",
  "@href" : "/gwadmin-service/domains/testDom1/postoffices"
}, {
  "@title" : "acl",
  "@href" : "/gwadmin-service/domains/testDom1/acl"
}, {
  "@title" : "synchronize",
  "@href" : "/gwadmin-service/domains/testDom1/synchronize"
}, {
  "@title" : "users",
  "@href" : "/gwadmin-service/list/USER/DOMAIN.testDom1"
}, {
  "@title" : "mtas",
  "@href" : "/gwadmin-service/list/MTA/DOMAIN.testDom1"
}, {
  "@title" : "libraries",
  "@href" : "/gwadmin-service/list/LIBRARY/DOMAIN.testDom1"
}, {
  "@title" : "poas",
  "@href" : "/gwadmin-service/list/POA/DOMAIN.testDom1"
}, {
  "@title" : "resources",
  "@href" : "/gwadmin-service/list/RESOURCE/DOMAIN.testDom1"
}, {
  "@title" : "gwias",
  "@href" : "/gwadmin-service/list/GWIA/DOMAIN.testDom1"
}, {
  "@title" : "groups",
  "@href" : "/gwadmin-service/list/GROUP/DOMAIN.testDom1"
} ],
"timeCreated" : null,
"timeLastMod" : 1370885999000,
"legacyDn" : null,
"lastModifiedBy" : "Unknown admin",
"lastModifiedOp" : "ADD",
"pendingOp" : null,
"allowedAddressFormats" : {
  "inherited" : true,
  "inheritedFrom" : "testSystem1",
  "inheritedValue" : [ "FLAST", "USER", "FIRST_LAST", "HOST", "LAST_FIRST" ],
  "value" : [ "FLAST", "USER", "FIRST_LAST", "HOST", "LAST_FIRST" ]
},
"addressBookView" : null,
"alternateInternetAgentName" : null,
"enableICalBrowse" : {
  "value" : true,
  "inheritedValue" : true,
  "inheritedFrom" : "testSystem1",
  "inherited" : true
},
"databaseVersion" : null,
"defaultInternetAgentName" : {
  "value" : "testDom1.GWIA",
  "inheritedValue" : "testDom1.GWIA",
  "inheritedFrom" : "testSystem1",
  "inherited" : true
},
"defaultWebAccess" : null,
"description" : null,
"directoryName" : null,

```

```

"directorySyncDomainName" : "testDom1",
"domainRebuildCount" : 0,
"domainType" : "PRIMARY",
"domainVersion" : 1212,
"externalSync" : null,
"fileId" : "tesf6f",
"gwId" : null,
"hideUserComments" : null,
"internetDomainName" : {
  "inherited" : true,
  "inheritedFrom" : "testSystem1",
  "inheritedValue" : "testdomain.com",
  "value" : "testdomain.com",
  "exclusive" : null
},
"language" : "English - US",
"languageId" : "0",
"linkedDomainName" : null,
"lockoutOldAdmin" : null,
"minimumAdminReleaseDate" : null,
"minimumAdminVersion" : null,
"platform" : null,
"preferredAddressFormat" : {
  "inherited" : true,
  "inheritedFrom" : "testSystem1",
  "inheritedValue" : "FULL",
  "value" : "FULL"
},
"timezone" : "(GMT-07:00) Mountain Time (US & Canada)",
"timezoneId" : "MST",
"path" : "C:\\Novell\\GroupWise\\testDomain1\\",
"adminChanges" : null,
"mtaAddress" : null,
"mtaMtpPort" : null,
"mtaHttpPort" : null,
"mtaAdminPort" : null,
"remoteCreation" : null,
"notifyUser" : null,
"clearNotifyUser" : false,
"connected" : true,
"@type" : null,
"@url" : "/gwadmin-service/domains/testDom1"
}
}

```

XML Response:

```

<domain>
  <id>DOMAIN.testDom1</id>
  <guid>BC755C40-086F-0000-AE24-CEFE66AF19D4</guid>
  <name>testDom1</name>
  <url>/gwadmin-service/domains/testDom1</url>
  <links key="administrator" href="/gwadmin-service/domains/testDom1/administrator"/>
  <links key="clientoptions" href="/gwadmin-service/domains/testDom1/clientoptions"/>
  <links key="customaddresses" href="/gwadmin-service/domains/testDom1/customaddresses"/>
  <links key="customaddresses/test" href="/gwadmin-service/domains/testDom1/customaddresses/test"/>
  <links key="gatewaysubdirs" href="/gwadmin-service/domains/testDom1/gatewaysubdirs"/>
  <links key="info" href="/gwadmin-service/domains/testDom1/info"/>
  <links key="maintenance" href="/gwadmin-service/domains/testDom1/maintenance"/>
  <links key="moverequests" href="/gwadmin-service/domains/testDom1/moverequests"/>
  <links key="mta" href="/gwadmin-service/domains/testDom1/mta"/>
  <links key="postoffices" href="/gwadmin-service/domains/testDom1/postoffices"/>
  <links key="acl" href="/gwadmin-service/domains/testDom1/acl"/>
  <links key="synchronize" href="/gwadmin-service/domains/testDom1/synchronize"/>
  <links key="users" href="/gwadmin-service/list/USER/DOMAIN.testDom1"/>
  <links key="mtas" href="/gwadmin-service/list/MTA/DOMAIN.testDom1"/>
>

```

```

<links key="libraries" href="/gwadmin-service/list/LIBRARY/DOMAIN.testDom1"/>
<links key="poas" href="/gwadmin-service/list/POA/DOMAIN.testDom1"/>
<links key="resources" href="/gwadmin-service/list/RESOURCE/DOMAIN.testDom1"/>
<links key="gwas" href="/gwadmin-service/list/GWIA/DOMAIN.testDom1"/>
<links key="groups" href="/gwadmin-service/list/GROUP/DOMAIN.testDom1"/>
<timeLastMod>1370885999000</timeLastMod>
<lastModifiedBy>Unknown admin</lastModifiedBy>
<lastModifiedOp>ADD</lastModifiedOp>
<forceNullOnAttrs/>
<allowedAddressFormats>
  <inherited>true</inherited>
  <inheritedFrom>testSystem1</inheritedFrom>
  <inheritedValue>
    <AttrNoUsed>FLAST</AttrNoUsed>
    <AttrNoUsed>FIRST_LAST</AttrNoUsed>
    <AttrNoUsed>LAST_FIRST</AttrNoUsed>
    <AttrNoUsed>HOST</AttrNoUsed>
    <AttrNoUsed>USER</AttrNoUsed>
  </inheritedValue>
  <value>
    <AttrNoUsed>FLAST</AttrNoUsed>
    <AttrNoUsed>FIRST_LAST</AttrNoUsed>
    <AttrNoUsed>LAST_FIRST</AttrNoUsed>
    <AttrNoUsed>HOST</AttrNoUsed>
    <AttrNoUsed>USER</AttrNoUsed>
  </value>
</allowedAddressFormats>
<enableICalBrowse>
  <value class="boolean">true</value>
  <inheritedValue class="boolean">true</inheritedValue>
  <inheritedFrom>testSystem1</inheritedFrom>
  <inherited>true</inherited>
</enableICalBrowse>
<defaultInternetAgentName>
  <value class="string">testDom1.GWIA</value>
  <inheritedValue class="string">testDom1.GWIA</inheritedValue>
  <inheritedFrom>testSystem1</inheritedFrom>
  <inherited>true</inherited>
</defaultInternetAgentName>
<directorySyncDomainName>testDom1</directorySyncDomainName>
<domainRebuildCount>0</domainRebuildCount>
<domainType>PRIMARY</domainType>
<domainVersion>1212</domainVersion>
<fileId>tesf6f</fileId>
<internetDomainName>
  <inherited>true</inherited>
  <inheritedFrom>testSystem1</inheritedFrom>
  <inheritedValue>testdomain.com</inheritedValue>
  <value>testdomain.com</value>
</internetDomainName>
<language>English - US</language>
<languageId>0</languageId>
<preferredAddressFormat>
  <inherited>true</inherited>
  <inheritedFrom>testSystem1</inheritedFrom>
  <inheritedValue>FULL</inheritedValue>
  <value>FULL</value>
</preferredAddressFormat>
<timezone>(GMT-07:00) Mountain Time (US & Canada)</timezone>
<timezoneId>MST</timezoneId>
<path>C:\Novell\GroupWise\testDomain1\  
</path>
<clearNotifyUser>>false</clearNotifyUser>
<connected>true</connected>
</domain>

```

A.38 Finding a Domain by Type

Request:

```
GET https://localhost:9999/gwadmin-service/list/DOMAIN?domainType=SECONDARY
```

Response Status:

200 - OK

JSON Response:

```
[ {
  "id" : "DOMAIN.testDom2",
  "guid" : "5FC6CEE0-08FE-0000-8A08-5BB4E7C4BAB9",
  "name" : "testDom2",
  "links" : null,
  "timeCreated" : 1370968862000,
  "timeLastMod" : 1370968863000,
  "legacyDn" : null,
  "lastModifiedBy" : "Unknown admin",
  "lastModifiedOp" : "MODIFY",
  "pendingOp" : "MODIFY",
  "allowedAddressFormats" : null,
  "addressBookView" : null,
  "alternateInternetAgentName" : null,
  "enableICalBrowse" : null,
  "databaseVersion" : null,
  "defaultInternetAgentName" : null,
  "defaultWebAccess" : null,
  "description" : null,
  "directoryName" : null,
  "directorySyncDomainName" : "testDom2",
  "domainRebuildCount" : 1,
  "domainType" : "SECONDARY",
  "domainVersion" : 1212,
  "externalSync" : null,
  "fileId" : "tesfebe",
  "gwId" : null,
  "hideUserComments" : null,
  "internetDomainName" : null,
  "language" : "English - US",
  "languageId" : "0",
  "linkedDomainName" : null,
  "lockoutOldAdmin" : null,
  "minimumAdminReleaseDate" : null,
  "minimumAdminVersion" : null,
  "platform" : null,
  "preferredAddressFormat" : null,
  "timezone" : "(GMT-07:00) Mountain Time (US & Canada)",
  "timezoneId" : "MST",
  "path" : "C:\\Novell\\GroupWise\\testDomain2",
  "adminChanges" : null,
  "mtaAddress" : null,
  "mtaMtpPort" : null,
  "mtaHttpPort" : null,
  "mtaAdminPort" : null,
  "remoteCreation" : null,
  "notifyUser" : null,
  "clearNotifyUser" : false,
  "connected" : false,
  "@type" : "domain",
  "@url" : "/gwadmin-service/domains/testDom2"
} ]
```

XML Response:

```
<list>
  <domain>
    <id>DOMAIN.testDom2</id>
    <guid>5FC6CEE0-08FE-0000-8A08-5BB4E7C4BAB9</guid>
    <name>testDom2</name>
```

```

    <objType>domain</objType>
    <url>/gadmin-service/domains/testDom2</url>
    <timeCreated>1370968862000</timeCreated>
    <timeLastMod>1370968863000</timeLastMod>
    <lastModifiedBy>Unknown admin</lastModifiedBy>
    <lastModifiedOp>MODIFY</lastModifiedOp>
    <pendingOp>MODIFY</pendingOp>
    <forceNullOnAttrs/>
    <directorySyncDomainName>testDom2</directorySyncDomainName>
    <domainRebuildCount>1</domainRebuildCount>
    <domainType>SECONDARY</domainType>
    <domainVersion>1212</domainVersion>
    <fileId>tesfebe</fileId>
    <language>English - US</language>
    <languageId>0</languageId>
    <timezone>(GMT-07:00) Mountain Time (US & Canada)</timezone>
    <timezoneId>MST</timezoneId>
    <path>C:\Novell\GroupWise\testDomain2</path>
    <clearNotifyUser>false</clearNotifyUser>
    <connected>false</connected>
  </domain>
</list>

```

A.39 Finding a Post Office

Request:

```
GET https://localhost:9999/gadmin-service/domains/testDom1/postoffices/testPO1
```

Response Status:

200 - OK

JSON Response:

```

{
  "id" : "POST_OFFICE.testDom1.testPO1",
  "guid" : "56A986B0-0870-0000-8A08-FB644894ACE1",
  "name" : "testPO1",
  "links" : [ {
    "@title" : "aliases",
    "@href" : "/gadmin-service/domains/testDom1/postoffices/testPO1/aliases"
  }, {
    "@title" : "bumpclientupdate",
    "@href" : "/gadmin-service/domains/testDom1/postoffices/testPO1/
bumpclientupdate"
  }, {
    "@title" : "certificatefiles",
    "@href" : "/gadmin-service/domains/testDom1/postoffices/testPO1/
certificatefiles"
  }, {
    "@title" : "clientoptions",
    "@href" : "/gadmin-service/domains/testDom1/postoffices/testPO1/
clientoptions"
  }, {
    "@title" : "info",
    "@href" : "/gadmin-service/domains/testDom1/postoffices/testPO1/info"
  }, {
    "@title" : "groups",
    "@href" : "/gadmin-service/domains/testDom1/postoffices/testPO1/groups"
  }, {
    "@title" : "gwcheck",
    "@href" : "/gadmin-service/domains/testDom1/postoffices/testPO1/gwcheck"
  }, {
    "@title" : "libraries",
    "@href" : "/gadmin-service/domains/testDom1/postoffices/testPO1/libraries"
  }, {
    "@title" : "maintenance",
    "@href" : "/gadmin-service/domains/testDom1/postoffices/testPO1/maintenance"
  }, {

```



```

    "@title" : "moverequests",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/moverequests"
  }, {
    "@title" : "nicknames",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/nicknames"
  }, {
    "@title" : "poas",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/poas"
  }, {
    "@title" : "acl",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/acl"
  }, {
    "@title" : "refldapservers",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/
refldapservers"
  }, {
    "@title" : "resources",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/resources"
  }, {
    "@title" : "synchronize",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/synchronize"
  }, {
    "@title" : "timestamp",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/timestamp"
  }, {
    "@title" : "users",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/users"
  }, {
    "@title" : "rename",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/rename"
  }, {
    "@title" : "domain",
    "@href" : "/gwadmin-service/domains/testDom1"
  }
],
"timeCreated" : 1370907858000,
"timeLastMod" : 1370907860000,
"legacyDn" : null,
"lastModifiedBy" : "Unknown admin",
"lastModifiedOp" : "MODIFY",
"pendingOp" : null,
"adminChanges" : null,
"accessMode" : "CLIENT_SERVER",
"allowedAddressFormats" : {
  "inherited" : true,
  "inheritedFrom" : "testSystem1",
  "inheritedValue" : [ "FLAST", "USER", "FIRST_LAST", "HOST", "LAST_FIRST" ],
  "value" : [ "FLAST", "USER", "FIRST_LAST", "HOST", "LAST_FIRST" ]
},
"archiveServiceTrustedAppName" : null,
"clientLockout" : null,
"clientLockoutDate" : null,
"clientLockoutVersion" : null,
"defaultInternetAgentName" : null,
"description" : null,
"domainName" : "testDom1",
"deliveryMode" : "APP_THRESHOLD",
"disableDeltaRecords" : null,
"disableLdapPasswordChange" : null,
"disableLiveMove" : null,
"disableLogins" : false,
"deltaRecordsMaxAge" : null,
"enableICalBrowse" : {
  "value" : true,
  "inheritedValue" : true,
  "inheritedFrom" : "testSystem1",
  "inherited" : true
},
"externalRecord" : false,
"externalSync" : null,
"fileId" : "tes1072",

```

```

"gwId" : null,
"internetDomainName" : {
  "inherited" : true,
  "inheritedFrom" : "testSystem1",
  "inheritedValue" : "testdomain.com",
  "value" : "testdomain.com",
  "exclusive" : null
},
"intruderDetection" : true,
"intruderLockoutAttempts" : 5,
"intruderLockoutAttemptsInterval" : 30,
"intruderLockoutResetInterval" : 30,
"language" : "English - US",
"languageId" : "0",
"ldapDefaultDirectory" : null,
"ldapUser" : null,
"ldapPassword" : null,
"ldapInactiveConnectionTimeout" : null,
"ldapPoolServerResetTimeout" : null,
"ldapQuarantineThreshold" : null,
"linkAddress" : "C:\\Novell\\GroupWise\\testPostOffice1",
"linkAddressType" : "TCP_IP",
"mtpAppName" : "POA",
"mtpMaxSendSize" : null,
"platform" : null,
"postOfficeVersion" : 1212,
"preferredAddressFormat" : {
  "inherited" : true,
  "inheritedFrom" : "testSystem1",
  "inheritedValue" : "FULL",
  "value" : "FULL"
},
"remoteUser" : null,
"remotePassword" : null,
"restoreAreaName" : null,
"securitySettings" : [ "HIGH" ],
"softwareAreaGuid" : null,
"softwareVersion" : null,
"syncContext" : null,
"timezone" : "(GMT-07:00) Mountain Time (US & Canada)",
"timezoneId" : "MST",
"path" : "C:\\Novell\\GroupWise\\testPostOffice1",
"associationsUpdate" : null,
"poaAddress" : null,
"poaCsPort" : null,
"poaMtpPort" : null,
"poaHttpPort" : null,
"timeStamp" : null,
"clientUpdateBumpNumber" : 0,
"poaAdminPort" : null,
"remoteCreation" : null,
"displayName" : "testPO1",
"draggable" : true,
"@type" : null,
"@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1"
}

```

XML Response:

```

<postOffice>
  <id>POST_OFFICE.testDom1.testPO1</id>
  <guid>56A986B0-0870-0000-8A08-FB644894ACE1</guid>
  <name>testPO1</name>
  <url>/gwadmin-service/domains/testDom1/postoffices/testPO1</url>
  <links key="aliases" href="/gwadmin-service/domains/testDom1/postoffices/
testPO1/aliases"/>
  <links key="bumpclientupdate" href="/gwadmin-service/domains/testDom1/
postoffices/testPO1/bumpclientupdate"/>
  <links key="certificatefiles" href="/gwadmin-service/domains/testDom1/
postoffices/testPO1/certificatefiles"/>
  <links key="clientoptions" href="/gwadmin-service/domains/testDom1/postoffices/

```

```

testP01/clientoptions"/>
  <links key="info" href="/gwadmin-service/domains/testDom1/postoffices/testP01/
info"/>
  <links key="groups" href="/gwadmin-service/domains/testDom1/postoffices/testP01/
groups"/>
  <links key="gwcheck" href="/gwadmin-service/domains/testDom1/postoffices/
testP01/gwcheck"/>
  <links key="libraries" href="/gwadmin-service/domains/testDom1/postoffices/
testP01/libraries"/>
  <links key="maintenance" href="/gwadmin-service/domains/testDom1/postoffices/
testP01/maintenance"/>
  <links key="moverequests" href="/gwadmin-service/domains/testDom1/postoffices/
testP01/moverequests"/>
  <links key="nicknames" href="/gwadmin-service/domains/testDom1/postoffices/
testP01/nicknames"/>
  <links key="poas" href="/gwadmin-service/domains/testDom1/postoffices/testP01/
poas"/>
  <links key="acl" href="/gwadmin-service/domains/testDom1/postoffices/testP01/
acl"/>
  <links key="refldapservers" href="/gwadmin-service/domains/testDom1/postoffices/
testP01/refldapservers"/>
  <links key="resources" href="/gwadmin-service/domains/testDom1/postoffices/
testP01/resources"/>
  <links key="synchronize" href="/gwadmin-service/domains/testDom1/postoffices/
testP01/synchronize"/>
  <links key="timestamp" href="/gwadmin-service/domains/testDom1/postoffices/
testP01/timestamp"/>
  <links key="users" href="/gwadmin-service/domains/testDom1/postoffices/testP01/
users"/>
  <links key="rename" href="/gwadmin-service/domains/testDom1/postoffices/testP01/
rename"/>
  <links key="domain" href="/gwadmin-service/domains/testDom1"/>
  <timeCreated>1370907858000</timeCreated>
  <timeLastMod>1370907860000</timeLastMod>
  <lastModifiedBy>Unknown admin</lastModifiedBy>
  <lastModifiedOp>MODIFY</lastModifiedOp>
  <forceNullOnAttrs/>
  <accessMode>CLIENT_SERVER</accessMode>
  <allowedAddressFormats>
    <inherited>true</inherited>
    <inheritedFrom>testSystem1</inheritedFrom>
    <inheritedValue>
      <AttrNoUsed>FLAST</AttrNoUsed>
      <AttrNoUsed>FIRST_LAST</AttrNoUsed>
      <AttrNoUsed>LAST_FIRST</AttrNoUsed>
      <AttrNoUsed>HOST</AttrNoUsed>
      <AttrNoUsed>USER</AttrNoUsed>
    </inheritedValue>
    <value>
      <AttrNoUsed>FLAST</AttrNoUsed>
      <AttrNoUsed>FIRST_LAST</AttrNoUsed>
      <AttrNoUsed>LAST_FIRST</AttrNoUsed>
      <AttrNoUsed>HOST</AttrNoUsed>
      <AttrNoUsed>USER</AttrNoUsed>
    </value>
  </allowedAddressFormats>
  <domainName>testDom1</domainName>
  <deliveryMode>APP_THRESHOLD</deliveryMode>
  <disableLogins>>false</disableLogins>
  <enableICalBrowse>
    <value class="boolean">true</value>
    <inheritedValue class="boolean">true</inheritedValue>
    <inheritedFrom>testSystem1</inheritedFrom>
    <inherited>true</inherited>
  </enableICalBrowse>
  <externalEntity>>false</externalEntity>
  <externalRecord>>false</externalRecord>
  <fileId>tes1072</fileId>
  <internetDomainName>
    <inherited>true</inherited>

```

```

    <inheritedFrom>testSystem1</inheritedFrom>
    <inheritedValue>testdomain.com</inheritedValue>
    <value>testdomain.com</value>
  </internetDomainName>
  <intruderDetection>true</intruderDetection>
  <intruderLockoutAttempts>5</intruderLockoutAttempts>
  <intruderLockoutAttemptsInterval>30</intruderLockoutAttemptsInterval>
  <intruderLockoutResetInterval>30</intruderLockoutResetInterval>
  <language>English - US</language>
  <languageId>0</languageId>
  <linkAddress>C:\Novell\GroupWise\testPostOffice1</linkAddress>
  <linkAddressType>TCP_IP</linkAddressType>
  <mtpAppName>POA</mtpAppName>
  <postOfficeVersion>1212</postOfficeVersion>
  <preferredAddressFormat>
    <inherited>true</inherited>
    <inheritedFrom>testSystem1</inheritedFrom>
    <inheritedValue>FULL</inheritedValue>
    <value>FULL</value>
  </preferredAddressFormat>
  <securitySettings class="AttrNoUsed">HIGH</securitySettings>
  <timezone>(GMT-07:00) Mountain Time (US & Canada)</timezone>
  <timezoneId>MST</timezoneId>
  <path>C:\Novell\GroupWise\testPostOffice1</path>
  <clientUpdateBumpNumber>0</clientUpdateBumpNumber>
</postOffice>

```

A.40 Finding a User in the GroupWise System

Request:

```
GET https://localhost:9999/gwadmin-service/list/USER?name=testUser1
```

Response Status:

200 - OK

JSON Response:

```

{
  "id" : "USER.testDom1.testPO1.testUser1",
  "guid" : "3C0BF3D0-09EF-0000-8A08-20888CC82C5A",
  "name" : "testUser1",
  "links" : null,
  "timeCreated" : 1371072310000,
  "timeLastMod" : 1371072310000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "domainName" : "testDom1",
  "postOfficeName" : "testPO1",
  "description" : null,
  "emailAddresses" : null,
  "visibility" : "SYSTEM",
  "defaultInternetAgentName" : null,
  "allowedAddressFormats" : null,
  "internetDomainName" : null,
  "preferredAddressFormat" : null,
  "preferredEmailId" : null,
  "moveStatus" : null,
  "ldapDn" : null,
  "ldapId" : null,
  "directoryId" : null,
  "enableICalBrowse" : null,
  "restoreArea" : null,
  "expirationDate" : 0,
  "externalRecord" : null,
  "externalSync" : null,
  "fileId" : "fri",

```

```

"accountId" : null,
"city" : null,
"company" : null,
"country" : null,
"department" : null,
"externalEntity" : null,
"externalSyncOverride" : null,
"faxNumber" : null,
"gatewayAccess" : null,
"givenName" : null,
"gwId" : null,
"homePhoneNumber" : null,
"ldapAuthentication" : null,
"location" : null,
"lastClientLoginTime" : null,
"lastClientType" : null,
"loginDisabled" : null,
"mailboxId" : null,
"middleInitial" : null,
"mobilePhoneNumber" : null,
"networkId" : null,
"otherPhoneNumber" : null,
"pagerNumber" : null,
"postalZipCode" : null,
"postOfficeBox" : null,
"stateProvince" : null,
"streetAddress" : null,
"suffix" : null,
"surname" : "testSurname1",
"telephoneNumber" : null,
"title" : null,
"groupAccessControlUpdateList" : null,
"groupMembersUpdateList" : null,
"adminDefined1" : null,
"adminDefined2" : null,
"adminDefined3" : null,
"adminDefined4" : null,
"adminDefined5" : null,
"adminDefined6" : null,
"adminDefined7" : null,
"adminDefined8" : null,
"adminDefined9" : null,
"adminDefined10" : null,
"adminDefined11" : null,
"adminDefined12" : null,
"adminDefined13" : null,
"adminDefined14" : null,
"adminDefined15" : null,
"adminDefined16" : null,
"adminDefined17" : null,
"adminDefined18" : null,
"adminDefined19" : null,
"adminDefined20" : null,
"mailboxSizeMb" : null,
"mailboxLicenseType" : null,
"moveComplete" : null,
"directoryUser" : false,
"@type" : "user",
"@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1"
}

```

XML Response:

```

<user>
  <id>USER.testDom1.testPO1.testUser1</id>
  <guid>D8C01260-09EF-0000-8A08-20888CC82C5A</guid>

```

```

<name>testUser1</name>
<objType>user</objType>
<url>/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1</url>
<timeCreated>1371072573000</timeCreated>
<timeLastMod>1371072573000</timeLastMod>
<lastModifiedBy>admin.testSystem1</lastModifiedBy>
<lastModifiedOp>ADD</lastModifiedOp>
<forceNullOnAttrs/>
<domainName>testDom1</domainName>
<postOfficeName>testPO1</postOfficeName>
<visibility>SYSTEM</visibility>
<fileId>q2t</fileId>
<surname>testSurname1</surname>
</user>

```

A.41 Finding a User in a Domain

Request:

```
GET https://localhost:9999/gwadmin-service/list/USER/
DOMAIN.testDom1?name=testUser1
```

Response Status:

200 - OK

JSON Response:

```

{
  "id" : "USER.testDom1.testPO1.testUser1",
  "guid" : "3C0BF3D0-09EF-0000-8A08-20888CC82C5A",
  "name" : "testUser1",
  "links" : null,
  "timeCreated" : 1371072310000,
  "timeLastMod" : 1371072310000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "domainName" : "testDom1",
  "postOfficeName" : "testPO1",
  "description" : null,
  "emailAddresses" : null,
  "visibility" : "SYSTEM",
  "defaultInternetAgentName" : null,
  "allowedAddressFormats" : null,
  "internetDomainName" : null,
  "preferredAddressFormat" : null,
  "preferredEmailId" : null,
  "moveStatus" : null,
  "ldapDn" : null,
  "ldapId" : null,
  "directoryId" : null,
  "enableICalBrowse" : null,
  "restoreArea" : null,
  "expirationDate" : 0,
  "externalRecord" : null,
  "externalSync" : null,
  "fileId" : "fri",
  "accountId" : null,
  "city" : null,
  "company" : null,
  "country" : null,
  "department" : null,
  "externalEntity" : null,
  "externalSyncOverride" : null,
  "faxNumber" : null,
  "gatewayAccess" : null,
  "givenName" : null,
  "gwId" : null,

```

```

"homePhoneNumber" : null,
"ldapAuthentication" : null,
"location" : null,
"lastClientLoginTime" : null,
"lastClientType" : null,
"loginDisabled" : null,
"mailboxId" : null,
"middleInitial" : null,
"mobilePhoneNumber" : null,
"networkId" : null,
"otherPhoneNumber" : null,
"pagerNumber" : null,
"postalZipCode" : null,
"postOfficeBox" : null,
"stateProvince" : null,
"streetAddress" : null,
"suffix" : null,
"surname" : "testSurname1",
"telephoneNumber" : null,
"title" : null,
"groupAccessControlUpdateList" : null,
"groupMembersUpdateList" : null,
"adminDefined1" : null,
"adminDefined2" : null,
"adminDefined3" : null,
"adminDefined4" : null,
"adminDefined5" : null,
"adminDefined6" : null,
"adminDefined7" : null,
"adminDefined8" : null,
"adminDefined9" : null,
"adminDefined10" : null,
"adminDefined11" : null,
"adminDefined12" : null,
"adminDefined13" : null,
"adminDefined14" : null,
"adminDefined15" : null,
"adminDefined16" : null,
"adminDefined17" : null,
"adminDefined18" : null,
"adminDefined19" : null,
"adminDefined20" : null,
"mailboxSizeMb" : null,
"mailboxLicenseType" : null,
"moveComplete" : null,
"directoryUser" : false,
"@type" : "user",
"@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1"
}

```

XML Response:

```

<user>
  <id>USER.testDom1.testPO1.testUser1</id>
  <guid>D8C01260-09EF-0000-8A08-20888CC82C5A</guid>
  <name>testUser1</name>
  <objType>user</objType>
  <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1</url>
  <timeCreated>1371072573000</timeCreated>
  <timeLastMod>1371072573000</timeLastMod>
  <lastModifiedBy>admin.testSystem1</lastModifiedBy>
  <lastModifiedOp>ADD</lastModifiedOp>
  <forceNullOnAttrs/>
  <domainName>testDom1</domainName>
  <postOfficeName>testPO1</postOfficeName>
  <visibility>SYSTEM</visibility>
  <fileId>q2t</fileId>
  <surname>testSurname1</surname>
</user>

```

A.42 Finding a User in a Post Office

Request:

```
GET https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1
```

Response Status:

200 - OK

JSON Response:

```
{
  "id" : "USER.testDom1.testPO1.testUser1",
  "guid" : "3C0BF3D0-09EF-0000-8A08-20888CC82C5A",
  "name" : "testUser1",
  "links" : [ {
    "@title" : "administeredgroups",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/administeredgroups"
  }, {
    "@title" : "aliases",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/aliases"
  }, {
    "@title" : "clientoptions",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/clientoptions"
  }, {
    "@title" : "info",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/info"
  }, {
    "@title" : "emailaddresses",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/emailaddresses"
  }, {
    "@title" : "groupmemberships",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/groupmemberships"
  }, {
    "@title" : "gwcheck",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/gwcheck"
  }, {
    "@title" : "resources",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/resources"
  }, {
    "@title" : "nicknames",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/nicknames"
  }, {
    "@title" : "synchronize",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/synchronize"
  }, {
    "@title" : "restorearea",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/restorearea"
  }, {
    "@title" : "restoremailbox",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/restoremailbox"
  }, {
    "@title" : "domain",
    "@href" : "/gwadmin-service/domains/testDom1"
  }, {
    "@title" : "postoffice",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1"
  }
]
```



```

    } ],
    "timeCreated" : 1371072310000,
    "timeLastMod" : 1371072310000,
    "legacyDn" : null,
    "lastModifiedBy" : "admin.testSystem1",
    "lastModifiedOp" : "ADD",
    "pendingOp" : null,
    "domainName" : "testDom1",
    "postOfficeName" : "testPO1",
    "description" : null,
    "emailAddresses" : [ "testUser1.testPO1.testDom1@testdomain.com" ],
    "visibility" : "SYSTEM",
    "defaultInternetAgentName" : null,
    "allowedAddressFormats" : {
        "inherited" : true,
        "inheritedFrom" : "testSystem1",
        "inheritedValue" : [ "FLAST", "USER", "FIRST_LAST", "HOST", "LAST_FIRST" ],
        "value" : [ "FLAST", "USER", "FIRST_LAST", "HOST", "LAST_FIRST" ]
    },
    "internetDomainName" : {
        "inherited" : true,
        "inheritedFrom" : "testSystem1",
        "inheritedValue" : "testdomain.com",
        "value" : "testdomain.com",
        "exclusive" : null
    },
    "preferredAddressFormat" : {
        "inherited" : true,
        "inheritedFrom" : "testSystem1",
        "inheritedValue" : "FULL",
        "value" : "FULL"
    },
    "preferredEmailId" : null,
    "moveStatus" : null,
    "ldapDn" : null,
    "ldapId" : null,
    "directoryId" : null,
    "enableICalBrowse" : {
        "value" : true,
        "inheritedValue" : true,
        "inheritedFrom" : "testSystem1",
        "inherited" : true
    },
    "restoreArea" : null,
    "expirationDate" : 0,
    "externalRecord" : null,
    "externalSync" : null,
    "fileId" : "fri",
    "accountId" : null,
    "city" : null,
    "company" : null,
    "country" : null,
    "department" : null,
    "externalEntity" : null,
    "externalSyncOverride" : null,
    "faxNumber" : null,
    "gatewayAccess" : null,
    "givenName" : null,
    "gwId" : null,
    "homePhoneNumber" : null,
    "ldapAuthentication" : null,
    "location" : null,
    "lastClientLoginTime" : null,
    "lastClientType" : null,
    "loginDisabled" : null,
    "mailboxId" : null,
    "middleInitial" : null,
    "mobilePhoneNumber" : null,
    "networkId" : null,
    "otherPhoneNumber" : null,

```

```

"pageNumber" : null,
"postalZipCode" : null,
"postOfficeBox" : null,
"stateProvince" : null,
"streetAddress" : null,
"suffix" : null,
"surname" : "testSurname1",
"telephoneNumber" : null,
"title" : null,
"groupAccessControlUpdateList" : null,
"groupMembersUpdateList" : null,
"adminDefined1" : null,
"adminDefined2" : null,
"adminDefined3" : null,
"adminDefined4" : null,
"adminDefined5" : null,
"adminDefined6" : null,
"adminDefined7" : null,
"adminDefined8" : null,
"adminDefined9" : null,
"adminDefined10" : null,
"adminDefined11" : null,
"adminDefined12" : null,
"adminDefined13" : null,
"adminDefined14" : null,
"adminDefined15" : null,
"adminDefined16" : null,
"adminDefined17" : null,
"adminDefined18" : null,
"adminDefined19" : null,
"adminDefined20" : null,
"mailboxSizeMb" : null,
"mailboxLicenseType" : null,
"moveComplete" : null,
"directoryUser" : false,
"@type" : null,
"@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1"
}

```

XML Response:

```

<user>
  <id>USER.testDom1.testPO1.testUser1</id>
  <guid>D8C01260-09EF-0000-8A08-20888CC82C5A</guid>
  <name>testUser1</name>
  <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1</url>
  <links key="administeredgroups" href="/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/administeredgroups"/>
  <links key="aliases" href="/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/aliases"/>
  <links key="clientoptions" href="/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/clientoptions"/>
  <links key="info" href="/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/info"/>
  <links key="emailaddresses" href="/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/emailaddresses"/>
  <links key="groupmemberships" href="/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/groupmemberships"/>
  <links key="gwcheck" href="/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/gwcheck"/>
  <links key="resources" href="/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/resources"/>
  <links key="nicknames" href="/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/nicknames"/>
  <links key="synchronize" href="/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/synchronize"/>
  <links key="restorearea" href="/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/restorearea"/>
  <links key="restoremailbox" href="/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/restoremailbox"/>
  <links key="domain" href="/gwadmin-service/domains/testDom1"/>

```

```

    <links key="postoffice" href="/gwadmin-service/domains/testDom1/postoffices/
testPO1"/>
    <timeCreated>1371072573000</timeCreated>
    <timeLastMod>1371072573000</timeLastMod>
    <lastModifiedBy>admin.testSystem1</lastModifiedBy>
    <lastModifiedOp>ADD</lastModifiedOp>
    <forceNullOnAttrs/>
    <domainName>testDom1</domainName>
    <postOfficeName>testPO1</postOfficeName>
    <emailAddresses>
      <string>testUser1.testPO1.testDom1@testdomain.com</string>
    </emailAddresses>
    <visibility>SYSTEM</visibility>
    <allowedAddressFormats>
      <inherited>true</inherited>
      <inheritedFrom>testSystem1</inheritedFrom>
      <inheritedValue>
        <AttrNoUsed>FLAST</AttrNoUsed>
        <AttrNoUsed>FIRST_LAST</AttrNoUsed>
        <AttrNoUsed>LAST_FIRST</AttrNoUsed>
        <AttrNoUsed>HOST</AttrNoUsed>
        <AttrNoUsed>USER</AttrNoUsed>
      </inheritedValue>
      <value>
        <AttrNoUsed>FLAST</AttrNoUsed>
        <AttrNoUsed>FIRST_LAST</AttrNoUsed>
        <AttrNoUsed>LAST_FIRST</AttrNoUsed>
        <AttrNoUsed>HOST</AttrNoUsed>
        <AttrNoUsed>USER</AttrNoUsed>
      </value>
    </allowedAddressFormats>
    <internetDomainName>
      <inherited>true</inherited>
      <inheritedFrom>testSystem1</inheritedFrom>
      <inheritedValue>testdomain.com</inheritedValue>
      <value>testdomain.com</value>
    </internetDomainName>
    <preferredAddressFormat>
      <inherited>true</inherited>
      <inheritedFrom>testSystem1</inheritedFrom>
      <inheritedValue>FULL</inheritedValue>
      <value>FULL</value>
    </preferredAddressFormat>
    <enableICalBrowse>
      <value class="boolean">true</value>
      <inheritedValue class="boolean">true</inheritedValue>
      <inheritedFrom>testSystem1</inheritedFrom>
      <inherited>true</inherited>
    </enableICalBrowse>
    <fileId>q2t</fileId>
    <surname>testSurname1</surname>
  </user>

```

A.43 Finding a User in a Group

Request:

```
GET https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/testGroup1/members/GROUP.testDom1.testPO1.testUser1
```

Response Status:

200 - OK

JSON Response:

```
{
  "id" : "USER.testDom1.testPO1.testUser1",
  "guid" : null,
  "name" : "testUser1",
  "links" : null,
  "timeCreated" : null,
  "timeLastMod" : null,
  "legacyDn" : null,
  "lastModifiedBy" : null,
  "lastModifiedOp" : null,
  "pendingOp" : null,
  "postOfficeName" : "testPO1",
  "domainName" : "testDom1",
  "givenName" : null,
  "participation" : "PRIMARY",
  "type" : "USER",
  "surname" : "testSurname1",
  "@type" : null,
  "@url" : null
}
```

XML Response:

```
<member>
  <id>USER.testDom1.testPO1.testUser1</id>
  <name>testUser1</name>
  <forceNullOnAttrs/>
  <postOfficeName>testPO1</postOfficeName>
  <domainName>testDom1</domainName>
  <participation>PRIMARY</participation>
  <type>USER</type>
  <surname>testSurname1</surname>
</member>
```

A.44 Finding a User's Last Name That Has Chinese Characters

Request:

```
GET https://localhost:9999/gwadmin-service/list/USER?surname=????
```

Response Status:

200 - OK

JSON Response:

```
{
  "id" : "USER.testDom1.testPO1.testChineseUser1",
  "guid" : "3D438970-09EF-0000-8A08-20888CC82C5A",
  "name" : "testChineseUser1",
  "links" : null,
  "timeCreated" : 1371072312000,
  "timeLastMod" : 1371072312000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "domainName" : "testDom1",
  "postOfficeName" : "testPO1",
  "description" : null,
}
```

```
"emailAddresses" : null,
"visibility" : "SYSTEM",
"defaultInternetAgentName" : null,
"allowedAddressFormats" : null,
"internetDomainName" : null,
"preferredAddressFormat" : null,
"preferredEmailId" : null,
"moveStatus" : null,
"ldapDn" : null,
"ldapId" : null,
"directoryId" : null,
"enableICalBrowse" : null,
"restoreArea" : null,
"expirationDate" : 0,
"externalRecord" : null,
"externalSync" : null,
"fileId" : "77i",
"accountId" : null,
"city" : null,
"company" : null,
"country" : null,
"department" : null,
"externalEntity" : null,
"externalSyncOverride" : null,
"faxNumber" : null,
"gatewayAccess" : null,
"givenName" : null,
"gwId" : null,
"homePhoneNumber" : null,
"ldapAuthentication" : null,
"location" : null,
"lastClientLoginTime" : null,
"lastClientType" : null,
"loginDisabled" : null,
"mailboxId" : null,
"middleInitial" : null,
"mobilePhoneNumber" : null,
"networkId" : null,
"otherPhoneNumber" : null,
"pagerNumber" : null,
"postalZipCode" : null,
"postOfficeBox" : null,
"stateProvince" : null,
"streetAddress" : null,
"suffix" : null,
"surname" : "????",
"telephoneNumber" : null,
"title" : null,
"groupAccessControlUpdateList" : null,
"groupMembersUpdateList" : null,
"adminDefined1" : null,
"adminDefined2" : null,
"adminDefined3" : null,
"adminDefined4" : null,
"adminDefined5" : null,
"adminDefined6" : null,
"adminDefined7" : null,
"adminDefined8" : null,
"adminDefined9" : null,
"adminDefined10" : null,
"adminDefined11" : null,
"adminDefined12" : null,
"adminDefined13" : null,
"adminDefined14" : null,
"adminDefined15" : null,
"adminDefined16" : null,
"adminDefined17" : null,
"adminDefined18" : null,
"adminDefined19" : null,
"adminDefined20" : null,
```

```

"mailboxSizeMb" : null,
"mailboxLicenseType" : null,
"moveComplete" : null,
"directoryUser" : false,
"@type" : "user",
"@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/users/
testChineseUser1"
}

```

XML Response:

```

<user>
  <id>USER.testDom1.testPO1.testChineseUser1</id>
  <guid>D9ACBC50-09EF-0000-8A08-20888CC82C5A</guid>
  <name>testChineseUser1</name>
  <objType>user</objType>
  <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/users/
testChineseUser1</url>
  <timeCreated>1371072575000</timeCreated>
  <timeLastMod>1371072575000</timeLastMod>
  <lastModifiedBy>admin.testSystem1</lastModifiedBy>
  <lastModifiedOp>ADD</lastModifiedOp>
  <forceNullOnAttrs/>
  <domainName>testDom1</domainName>
  <postOfficeName>testPO1</postOfficeName>
  <visibility>SYSTEM</visibility>
  <fileId>iit</fileId>
  <surname>????</surname>
</user>

```

A.45 Finding a Group in the GroupWise System

Request:

```
GET https://localhost:9999/gwadmin-service/list/GROUP?name=testGroup1
```

Response Status:

200 - OK

JSON Response:

```

{
  "id" : "GROUP.testDom1.testPO1.testGroup1",
  "guid" : "3D593450-09EF-0000-8A08-20888CC82C5A",
  "name" : "testGroup1",
  "links" : null,
  "timeCreated" : 1371072313000,
  "timeLastMod" : 1371072313000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "domainName" : "testDom1",
  "postOfficeName" : "testPO1",
  "description" : null,
  "emailAddresses" : null,
  "visibility" : "POST_OFFICE",
  "defaultInternetAgentName" : null,
  "allowedAddressFormats" : null,
  "internetDomainName" : null,
  "preferredAddressFormat" : null,
  "preferredEmailId" : null,
  "moveStatus" : null,
  "ldapDn" : null,
  "ldapId" : null,
  "directoryId" : null,
  "postOffice" : null,
  "groupType" : "DISTRIBUTION_LIST",
  "replicationOverride" : null,
  "exclusiveInternetDomain" : false,

```

```

"groupAccessControlUpdateList" : null,
"groupMembershipUpdateList" : null,
"externalSync" : null,
"moveComplete" : null,
"directoryUser" : false,
"@type" : "group",
"@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/
testGroup1"
}

```

XML Response:

```

<group>
  <id>GROUP.testDom1.testPO1.testGroup1</id>
  <guid>D9C2B550-09EF-0000-8A08-20888CC82C5A</guid>
  <name>testGroup1</name>
  <objType>group</objType>
  <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/testGroup1</
url>
  <timeCreated>1371072575000</timeCreated>
  <timeLastMod>1371072575000</timeLastMod>
  <lastModifiedBy>admin.testSystem1</lastModifiedBy>
  <lastModifiedOp>ADD</lastModifiedOp>
  <forceNullOnAttrs/>
  <domainName>testDom1</domainName>
  <postOfficeName>testPO1</postOfficeName>
  <visibility>POST_OFFICE</visibility>
  <groupType>DISTRIBUTION_LIST</groupType>
  <exclusiveInternetDomain>>false</exclusiveInternetDomain>
</group>

```

A.46 Finding a Group in a Post Office

Request:

```
GET https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/
groups/testGroup1
```

Response Status:

200 - OK

JSON Response:

```

{
  "id" : "GROUP.testDom1.testPO1.testGroup1",
  "guid" : "3D593450-09EF-0000-8A08-20888CC82C5A",
  "name" : "testGroup1",
  "links" : [ {
    "@title" : "groupmemberships",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/
testGroup1/groupmemberships"
  }, {
    "@title" : "nicknames",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/
testGroup1/nicknames"
  }, {
    "@title" : "members",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/
testGroup1/members"
  }, {
    "@title" : "acl",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/
testGroup1/acl"
  }, {
    "@title" : "domain",
    "@href" : "/gwadmin-service/domains/testDom1"
  }, {
    "@title" : "postoffice",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1"
  } ],
}

```

```

"timeCreated" : 1371072313000,
"timeLastMod" : 1371072313000,
"legacyDn" : null,
"lastModifiedBy" : "admin.testSystem1",
"lastModifiedOp" : "ADD",
"pendingOp" : null,
"domainName" : "testDom1",
"postOfficeName" : "testPO1",
"description" : null,
"emailAddresses" : [ "testGroup1.testPO1.testDom1@testdomain.com" ],
"visibility" : "POST_OFFICE",
"defaultInternetAgentName" : null,
"allowedAddressFormats" : {
  "inherited" : true,
  "inheritedFrom" : "testSystem1",
  "inheritedValue" : [ "FLAST", "USER", "FIRST_LAST", "HOST", "LAST_FIRST" ],
  "value" : [ "FLAST", "USER", "FIRST_LAST", "HOST", "LAST_FIRST" ]
},
"internetDomainName" : {
  "inherited" : true,
  "inheritedFrom" : "testSystem1",
  "inheritedValue" : "testdomain.com",
  "value" : "testdomain.com",
  "exclusive" : null
},
"preferredAddressFormat" : {
  "inherited" : true,
  "inheritedFrom" : "testSystem1",
  "inheritedValue" : "FULL",
  "value" : "FULL"
},
"preferredEmailId" : null,
"moveStatus" : null,
"ldapDn" : null,
"ldapId" : null,
"directoryId" : null,
"postOffice" : null,
"groupType" : "DISTRIBUTION_LIST",
"replicationOverride" : null,
"exclusiveInternetDomain" : false,
"groupAccessControlUpdateList" : null,
"groupMembershipUpdateList" : null,
"externalSync" : null,
"moveComplete" : null,
"directoryUser" : false,
"@type" : null,
"@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/
testGroup1"
}

```

XML Response:

```

<group>
  <id>GROUP.testDom1.testPO1.testGroup1</id>
  <guid>D9C2B550-09EF-0000-8A08-20888CC82C5A</guid>
  <name>testGroup1</name>
  <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/testGroup1</
url>
  <links key="groupmemberships" href="/gwadmin-service/domains/testDom1/
postoffices/testPO1/groups/testGroup1/groupmemberships"/>
  <links key="nicknames" href="/gwadmin-service/domains/testDom1/postoffices/
testPO1/groups/testGroup1/nicknames"/>
  <links key="members" href="/gwadmin-service/domains/testDom1/postoffices/
testPO1/groups/testGroup1/members"/>
  <links key="acl" href="/gwadmin-service/domains/testDom1/postoffices/testPO1/
groups/testGroup1/acl"/>
  <links key="domain" href="/gwadmin-service/domains/testDom1"/>
  <links key="postoffice" href="/gwadmin-service/domains/testDom1/postoffices/
testPO1"/>
  <timeCreated>1371072575000</timeCreated>
  <timeLastMod>1371072575000</timeLastMod>

```



```

<lastModifiedBy>admin.testSystem1</lastModifiedBy>
<lastModifiedOp>ADD</lastModifiedOp>
<forceNullOnAttrs/>
<domainName>testDom1</domainName>
<postOfficeName>testPO1</postOfficeName>
<emailAddresses>
  <string>testGroup1.testPO1.testDom1@testdomain.com</string>
</emailAddresses>
<visibility>POST_OFFICE</visibility>
<allowedAddressFormats>
  <inherited>true</inherited>
  <inheritedFrom>testSystem1</inheritedFrom>
  <inheritedValue>
    <AttrNoUsed>FLAST</AttrNoUsed>
    <AttrNoUsed>FIRST_LAST</AttrNoUsed>
    <AttrNoUsed>LAST_FIRST</AttrNoUsed>
    <AttrNoUsed>HOST</AttrNoUsed>
    <AttrNoUsed>USER</AttrNoUsed>
  </inheritedValue>
  <value>
    <AttrNoUsed>FLAST</AttrNoUsed>
    <AttrNoUsed>FIRST_LAST</AttrNoUsed>
    <AttrNoUsed>LAST_FIRST</AttrNoUsed>
    <AttrNoUsed>HOST</AttrNoUsed>
    <AttrNoUsed>USER</AttrNoUsed>
  </value>
</allowedAddressFormats>
<internetDomainName>
  <inherited>true</inherited>
  <inheritedFrom>testSystem1</inheritedFrom>
  <inheritedValue>testdomain.com</inheritedValue>
  <value>testdomain.com</value>
</internetDomainName>
<preferredAddressFormat>
  <inherited>true</inherited>
  <inheritedFrom>testSystem1</inheritedFrom>
  <inheritedValue>FULL</inheritedValue>
  <value>FULL</value>
</preferredAddressFormat>
<groupType>DISTRIBUTION_LIST</groupType>
<exclusiveInternetDomain>false</exclusiveInternetDomain>
</group>

```

A.47 Finding a Resource in the GroupWise System

Request:

```
GET https://localhost:9999/gwadmin-service/list/RESOURCE?name=testResource1
```

Response Status:

200 - OK

JSON Response:

```

{
  "id" : "RESOURCE.testDom1.testPO1.testResource1",
  "guid" : "3E3CB680-09EF-0000-8A08-20888CC82C5A",
  "name" : "testResource1",
  "links" : null,
  "timeCreated" : 1371072314000,
  "timeLastMod" : 1371072314000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "domainName" : "testDom1",
  "postOfficeName" : "testPO1",
  "description" : null,
  "emailAddresses" : null,

```

```

"visibility" : "SYSTEM",
"defaultInternetAgentName" : null,
"allowedAddressFormats" : null,
"internetDomainName" : null,
"preferredAddressFormat" : null,
"preferredEmailId" : null,
"moveStatus" : null,
"ldapDn" : null,
"ldapId" : null,
"directoryId" : null,
"enableICalBrowse" : null,
"restoreArea" : null,
"expirationDate" : 0,
"externalRecord" : null,
"externalSync" : null,
"fileId" : "66e",
"owner" : "testUser1",
"postOffice" : null,
"resourceType" : "RESOURCE",
"telephoneNumber" : null,
"groupMembershipUpdateList" : null,
"nicknamesUrl" : null,
"moveComplete" : null,
"directoryUser" : false,
"@type" : "resource",
"@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/resources/
testResource1"
}

```

XML Response:

```

<resource>
  <id>RESOURCE.testDom1.testPO1.testResource1</id>
  <guid>DAD49A80-09EF-0000-8A08-20888CC82C5A</guid>
  <name>testResource1</name>
  <objType>resource</objType>
  <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/resources/
testResource1</url>
  <timeCreated>1371072577000</timeCreated>
  <timeLastMod>1371072577000</timeLastMod>
  <lastModifiedBy>admin.testSystem1</lastModifiedBy>
  <lastModifiedOp>ADD</lastModifiedOp>
  <forceNullOnAttrs/>
  <domainName>testDom1</domainName>
  <postOfficeName>testPO1</postOfficeName>
  <visibility>SYSTEM</visibility>
  <fileId>hnp</fileId>
  <owner>testUser1</owner>
  <resourceType>RESOURCE</resourceType>
</resource>

```

A.48 Finding a Resource in a Post Office

Request:

```
GET https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/
resources/testResource1
```

Response Status:

200 - OK

JSON Response:

```

{
  "id" : "RESOURCE.testDom1.testPO1.testResource1",
  "guid" : "3E3CB680-09EF-0000-8A08-20888CC82C5A",
  "name" : "testResource1",
  "links" : [ {
    "@title" : "clientoptions",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/resources/

```

```

testResource1/clientoptions"
  }, {
    "@title" : "emailaddresses",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/resources/
testResource1/emailaddresses"
  }, {
    "@title" : "groupmemberships",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/resources/
testResource1/groupmemberships"
  }, {
    "@title" : "gwcheck",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/resources/
testResource1/gwcheck"
  }, {
    "@title" : "nicknames",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/resources/
testResource1/nicknames"
  }, {
    "@title" : "restorearea",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/resources/
testResource1/restorearea"
  }, {
    "@title" : "restoremailbox",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/resources/
testResource1/restoremailbox"
  }, {
    "@title" : "domain",
    "@href" : "/gwadmin-service/domains/testDom1"
  }, {
    "@title" : "postoffice",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1"
  } ],
"timeCreated" : 1371072314000,
"timeLastMod" : 1371072314000,
"legacyDn" : null,
"lastModifiedBy" : "admin.testSystem1",
"lastModifiedOp" : "ADD",
"pendingOp" : null,
"domainName" : "testDom1",
"postOfficeName" : "testPO1",
"description" : null,
"emailAddresses" : [ "testResource1.testPO1.testDom1@testdomain.com" ],
"visibility" : "SYSTEM",
"defaultInternetAgentName" : null,
"allowedAddressFormats" : {
  "inherited" : true,
  "inheritedFrom" : "testSystem1",
  "inheritedValue" : [ "FLAST", "USER", "FIRST_LAST", "HOST", "LAST_FIRST" ],
  "value" : [ "FLAST", "USER", "FIRST_LAST", "HOST", "LAST_FIRST" ]
},
"internetDomainName" : {
  "inherited" : true,
  "inheritedFrom" : "testSystem1",
  "inheritedValue" : "testdomain.com",
  "value" : "testdomain.com",
  "exclusive" : null
},
"preferredAddressFormat" : {
  "inherited" : true,
  "inheritedFrom" : "testSystem1",
  "inheritedValue" : "FULL",
  "value" : "FULL"
},
"preferredEmailId" : null,
"moveStatus" : null,
"ldapDn" : null,
"ldapId" : null,
"directoryId" : null,
"enableICalBrowse" : {
  "value" : true,

```

```

    "inheritedValue" : true,
    "inheritedFrom" : "testSystem1",
    "inherited" : true
  },
  "restoreArea" : null,
  "expirationDate" : 0,
  "externalRecord" : null,
  "externalSync" : null,
  "fileId" : "66e",
  "owner" : "testUser1",
  "postOffice" : null,
  "resourceType" : "RESOURCE",
  "telephoneNumber" : null,
  "groupMembershipUpdateList" : null,
  "nicknamesUrl" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/
resources/testResource1/nicknames",
  "moveComplete" : null,
  "directoryUser" : false,
  "@type" : null,
  "@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/resources/
testResource1"
}

```

XML Response:

```

<resource>
  <id>RESOURCE.testDom1.testPO1.testResource1</id>
  <guid>DAD49A80-09EF-0000-8A08-20888CC82C5A</guid>
  <name>testResource1</name>
  <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/resources/
testResource1</url>
  <links key="clientoptions" href="/gwadmin-service/domains/testDom1/postoffices/
testPO1/resources/testResource1/clientoptions"/>
  <links key="emailaddresses" href="/gwadmin-service/domains/testDom1/postoffices/
testPO1/resources/testResource1/emailaddresses"/>
  <links key="groupmemberships" href="/gwadmin-service/domains/testDom1/
postoffices/testPO1/resources/testResource1/groupmemberships"/>
  <links key="gwcheck" href="/gwadmin-service/domains/testDom1/postoffices/
testPO1/resources/testResource1/gwcheck"/>
  <links key="nicknames" href="/gwadmin-service/domains/testDom1/postoffices/
testPO1/resources/testResource1/nicknames"/>
  <links key="restorearea" href="/gwadmin-service/domains/testDom1/postoffices/
testPO1/resources/testResource1/restorearea"/>
  <links key="restoremailbox" href="/gwadmin-service/domains/testDom1/postoffices/
testPO1/resources/testResource1/restoremailbox"/>
  <links key="domain" href="/gwadmin-service/domains/testDom1"/>
  <links key="postoffice" href="/gwadmin-service/domains/testDom1/postoffices/
testPO1"/>
  <timeCreated>1371072577000</timeCreated>
  <timeLastMod>1371072577000</timeLastMod>
  <lastModifiedBy>admin.testSystem1</lastModifiedBy>
  <lastModifiedOp>ADD</lastModifiedOp>
  <forceNullOnAttrs/>
  <domainName>testDom1</domainName>
  <postOfficeName>testPO1</postOfficeName>
  <emailAddresses>
    <string>testResource1.testPO1.testDom1@testdomain.com</string>
  </emailAddresses>
  <visibility>SYSTEM</visibility>
  <allowedAddressFormats>
    <inherited>true</inherited>
    <inheritedFrom>testSystem1</inheritedFrom>
    <inheritedValue>
      <AttrNoUsed>FLAST</AttrNoUsed>
      <AttrNoUsed>FIRST_LAST</AttrNoUsed>
      <AttrNoUsed>LAST_FIRST</AttrNoUsed>
      <AttrNoUsed>HOST</AttrNoUsed>
      <AttrNoUsed>USER</AttrNoUsed>
    </inheritedValue>
    <value>
      <AttrNoUsed>FLAST</AttrNoUsed>

```

```

    <AttrNoUsed>FIRST_LAST</AttrNoUsed>
    <AttrNoUsed>LAST_FIRST</AttrNoUsed>
    <AttrNoUsed>HOST</AttrNoUsed>
    <AttrNoUsed>USER</AttrNoUsed>
  </value>
</allowedAddressFormats>
<internetDomainName>
  <inherited>true</inherited>
  <inheritedFrom>testSystem1</inheritedFrom>
  <inheritedValue>testdomain.com</inheritedValue>
  <value>testdomain.com</value>
</internetDomainName>
<preferredAddressFormat>
  <inherited>true</inherited>
  <inheritedFrom>testSystem1</inheritedFrom>
  <inheritedValue>FULL</inheritedValue>
  <value>FULL</value>
</preferredAddressFormat>
<enableICalBrowse>
  <value class="boolean">true</value>
  <inheritedValue class="boolean">true</inheritedValue>
  <inheritedFrom>testSystem1</inheritedFrom>
  <inherited>true</inherited>
</enableICalBrowse>
<fileId>hhp</fileId>
<owner>testUser1</owner>
<resourceType>RESOURCE</resourceType>
</resource>

```

A.49 Finding a Nickname in the GroupWise System

Request:

```
GET https://localhost:9999/gwadmin-service/list/NICKNAME?name=testNicknameName1
```

Response Status:

200 - OK

JSON Response:

```

{
  "id" : "NICKNAME.testDom1.testPO1.testNicknameName1",
  "guid" : "3E2536E0-09EF-0000-8A08-20888CC82C5A",
  "name" : "testNicknameName1",
  "links" : null,
  "timeCreated" : 1371072314000,
  "timeLastMod" : 1371072314000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "domainName" : "testDom1",
  "postOfficeName" : "testPO1",
  "description" : null,
  "emailAddresses" : null,
  "visibility" : "SYSTEM",
  "defaultInternetAgentName" : null,
  "allowedAddressFormats" : null,
  "internetDomainName" : null,
  "preferredAddressFormat" : null,
  "preferredEmailId" : null,
  "moveStatus" : null,
  "ldapDn" : null,
  "ldapId" : null,
  "directoryId" : null,
  "enableICalBrowse" : null,
  "restoreArea" : null,
  "expirationDate" : 0,
  "externalRecord" : null,

```

```

"externalSync" : null,
"fileId" : null,
"accountId" : null,
"city" : null,
"company" : null,
"country" : null,
"department" : null,
"externalEntity" : null,
"externalSyncOverride" : null,
"faxNumber" : null,
"gatewayAccess" : null,
"givenName" : null,
"gwId" : null,
"homePhoneNumber" : null,
"ldapAuthentication" : null,
"location" : null,
"lastClientLoginTime" : null,
"lastClientType" : null,
"loginDisabled" : null,
"mailboxId" : null,
"middleInitial" : null,
"mobilePhoneNumber" : null,
"networkId" : null,
"otherPhoneNumber" : null,
"pagerNumber" : null,
"postalZipCode" : null,
"postOfficeBox" : null,
"stateProvince" : null,
"streetAddress" : null,
"suffix" : null,
"surname" : "testNicknameSurname1",
"telephoneNumber" : null,
"title" : null,
"groupAccessControlUpdateList" : null,
"groupMembersUpdateList" : null,
"adminDefined1" : null,
"adminDefined2" : null,
"adminDefined3" : null,
"adminDefined4" : null,
"adminDefined5" : null,
"adminDefined6" : null,
"adminDefined7" : null,
"adminDefined8" : null,
"adminDefined9" : null,
"adminDefined10" : null,
"adminDefined11" : null,
"adminDefined12" : null,
"adminDefined13" : null,
"adminDefined14" : null,
"adminDefined15" : null,
"adminDefined16" : null,
"adminDefined17" : null,
"adminDefined18" : null,
"adminDefined19" : null,
"adminDefined20" : null,
"mailboxSizeMb" : null,
"mailboxLicenseType" : null,
"referredUserName" : null,
"userName" : "testUser1",
"userPostOfficeName" : "testPO1",
"userDomainName" : "testDom1",
"realMemberType" : "USER",
"moveComplete" : null,
"directoryUser" : false,
"@type" : "nickname",
"@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/nicknames/
testNicknameName1"
}

```

XML Response:

```

<nickname>
  <id>NICKNAME.testDom1.testPO1.testNicknameName1</id>
  <guid>DAB356E0-09EF-0000-8A08-20888CC82C5A</guid>
  <name>testNicknameName1</name>
  <objType>nickname</objType>
  <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/nicknames/
testNicknameName1</url>
  <timeCreated>1371072577000</timeCreated>
  <timeLastMod>1371072577000</timeLastMod>
  <lastModifiedBy>admin.testSystem1</lastModifiedBy>
  <lastModifiedOp>ADD</lastModifiedOp>
  <forceNullOnAttrs/>
  <domainName>testDom1</domainName>
  <postOfficeName>testPO1</postOfficeName>
  <visibility>SYSTEM</visibility>
  <surname>testNicknameSurname1</surname>
  <userName>testUser1</userName>
  <userPostOfficeName>testPO1</userPostOfficeName>
  <userDomainName>testDom1</userDomainName>
  <realMemberType>USER</realMemberType>
</nickname>

```

A.50 Finding a Nickname in a Post Office

Request:

```
GET https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/nicknames/testNicknameName1
```

Response Status:

200 - OK

JSON Response:

```

{
  "id" : "NICKNAME.testDom1.testPO1.testNicknameName1",
  "guid" : "3E2536E0-09EF-0000-8A08-20888CC82C5A",
  "name" : "testNicknameName1",
  "links" : [ {
    "@title" : "domain",
    "@href" : "/gwadmin-service/domains/testDom1"
  }, {
    "@title" : "postoffice",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1"
  }, {
    "@title" : "emailaddresses",
    "@href" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/nicknames/
testNicknameName1/emailaddresses"
  } ],
  "timeCreated" : 1371072314000,
  "timeLastMod" : 1371072314000,
  "legacyDn" : null,
  "lastModifiedBy" : "admin.testSystem1",
  "lastModifiedOp" : "ADD",
  "pendingOp" : null,
  "domainName" : "testDom1",
  "postOfficeName" : "testPO1",
  "description" : null,
  "emailAddresses" : [ "testNicknameName1.testPO1.testDom1@testdomain.com" ],
  "visibility" : "SYSTEM",
  "defaultInternetAgentName" : null,
  "allowedAddressFormats" : {
    "inherited" : true,
    "inheritedFrom" : "testSystem1",
    "inheritedValue" : [ "FLAST", "USER", "FIRST_LAST", "HOST", "LAST_FIRST" ],
    "value" : [ "FLAST", "USER", "FIRST_LAST", "HOST", "LAST_FIRST" ]
  },
  "internetDomainName" : {
    "inherited" : true,

```

```

    "inheritedFrom" : "testSystem1",
    "inheritedValue" : "testdomain.com",
    "value" : "testdomain.com",
    "exclusive" : null
  },
  "preferredAddressFormat" : {
    "inherited" : true,
    "inheritedFrom" : "testSystem1",
    "inheritedValue" : "FULL",
    "value" : "FULL"
  },
  "preferredEmailId" : null,
  "moveStatus" : null,
  "ldapDn" : null,
  "ldapId" : null,
  "directoryId" : null,
  "enableICalBrowse" : null,
  "restoreArea" : null,
  "expirationDate" : 0,
  "externalRecord" : null,
  "externalSync" : null,
  "fileId" : null,
  "accountID" : null,
  "city" : null,
  "company" : null,
  "country" : null,
  "department" : null,
  "externalEntity" : null,
  "externalSyncOverride" : null,
  "faxNumber" : null,
  "gatewayAccess" : null,
  "givenName" : null,
  "gwId" : null,
  "homePhoneNumber" : null,
  "ldapAuthentication" : null,
  "location" : null,
  "lastClientLoginTime" : null,
  "lastClientType" : null,
  "loginDisabled" : null,
  "mailboxId" : null,
  "middleInitial" : null,
  "mobilePhoneNumber" : null,
  "networkId" : null,
  "otherPhoneNumber" : null,
  "pagerNumber" : null,
  "postalZipCode" : null,
  "postOfficeBox" : null,
  "stateProvince" : null,
  "streetAddress" : null,
  "suffix" : null,
  "surname" : "testNicknameSurname1",
  "telephoneNumber" : null,
  "title" : null,
  "groupAccessControlUpdateList" : null,
  "groupMembersUpdateList" : null,
  "adminDefined1" : null,
  "adminDefined2" : null,
  "adminDefined3" : null,
  "adminDefined4" : null,
  "adminDefined5" : null,
  "adminDefined6" : null,
  "adminDefined7" : null,
  "adminDefined8" : null,
  "adminDefined9" : null,
  "adminDefined10" : null,
  "adminDefined11" : null,
  "adminDefined12" : null,
  "adminDefined13" : null,
  "adminDefined14" : null,
  "adminDefined15" : null,

```



```

"adminDefined16" : null,
"adminDefined17" : null,
"adminDefined18" : null,
"adminDefined19" : null,
"adminDefined20" : null,
"mailboxSizeMb" : null,
"mailboxLicenseType" : null,
"referredUserName" : null,
"userName" : "testUser1",
"userPostOfficeName" : "testPO1",
"userDomainName" : "testDom1",
"realMemberType" : "USER",
"moveComplete" : null,
"directoryUser" : false,
"@type" : null,
"@url" : "/gwadmin-service/domains/testDom1/postoffices/testPO1/nicknames/
testNicknameName1"
}

```

XML Response:

```

<nickname>
  <id>NICKNAME.testDom1.testPO1.testNicknameName1</id>
  <guid>DAB356E0-09EF-0000-8A08-20888CC82C5A</guid>
  <name>testNicknameName1</name>
  <url>/gwadmin-service/domains/testDom1/postoffices/testPO1/nicknames/
testNicknameName1</url>
  <links key="domain" href="/gwadmin-service/domains/testDom1"/>
  <links key="postoffice" href="/gwadmin-service/domains/testDom1/postoffices/
testPO1"/>
  <links key="emailaddresses" href="/gwadmin-service/domains/testDom1/postoffices/
testPO1/nicknames/testNicknameName1/emailaddresses"/>
  <timeCreated>1371072577000</timeCreated>
  <timeLastMod>1371072577000</timeLastMod>
  <lastModifiedBy>admin.testSystem1</lastModifiedBy>
  <lastModifiedOp>ADD</lastModifiedOp>
  <forceNullOnAttrs/>
  <domainName>testDom1</domainName>
  <postOfficeName>testPO1</postOfficeName>
  <emailAddresses>
    <string>testNicknameName1.testPO1.testDom1@testdomain.com</string>
  </emailAddresses>
  <visibility>SYSTEM</visibility>
  <allowedAddressFormats>
    <inherited>true</inherited>
    <inheritedFrom>testSystem1</inheritedFrom>
    <inheritedValue>
      <AttrNoUsed>FLAST</AttrNoUsed>
      <AttrNoUsed>FIRST_LAST</AttrNoUsed>
      <AttrNoUsed>LAST_FIRST</AttrNoUsed>
      <AttrNoUsed>HOST</AttrNoUsed>
      <AttrNoUsed>USER</AttrNoUsed>
    </inheritedValue>
    <value>
      <AttrNoUsed>FLAST</AttrNoUsed>
      <AttrNoUsed>FIRST_LAST</AttrNoUsed>
      <AttrNoUsed>LAST_FIRST</AttrNoUsed>
      <AttrNoUsed>HOST</AttrNoUsed>
      <AttrNoUsed>USER</AttrNoUsed>
    </value>
  </allowedAddressFormats>
  <internetDomainName>
    <inherited>true</inherited>
    <inheritedFrom>testSystem1</inheritedFrom>
    <inheritedValue>testdomain.com</inheritedValue>

```

```

    <value>testdomain.com</value>
  </internetDomainName>
  <preferredAddressFormat>
    <inherited>true</inherited>
    <inheritedFrom>testSystem1</inheritedFrom>
    <inheritedValue>FULL</inheritedValue>
    <value>FULL</value>
  </preferredAddressFormat>
  <surname>testNicknameSurname1</surname>
  <userName>testUser1</userName>
  <userPostOfficeName>testPO1</userPostOfficeName>
  <userDomainName>testDom1</userDomainName>
  <realMemberType>USER</realMemberType>
</nickname>

```

A.51 Moving Users to a Different Post Office

JSON Request:

```

POST https://localhost:9999/gwadmin-service/system/moverequests
  sources=[{id=USER.testDom1.testPO1.testMoveUser1},
{id=USER.testDom1.testPO1.testMoveUser2},
{id=USER.testDom1.testPO1.testMoveUser3}]
  postOfficeId=POST_OFFICE.testDom2.testPO2

```

JSON Response:

```

{
  "succeeded" : 2,
  "failed" : [ {
    "id" : "USER.testDom1.testPO1.testMoveUser2",
    "status" : {
      "error" : true,
      "statusCode" : 403,
      "statusCode" : 56073,
      "statusMsg" : "User owns resources that must be transferred before it can be
deleted",
      "locationHeader" : null
    }
  } ]
}

```

XML Request:

```

POST https://localhost:9999/gwadmin-service/system/moverequests
<moveRequest><sources><id>USER.testDom1.testPO1.testMoveUser1</id></
sources><sources><id>USER.testDom1.testPO1.testMoveUser2</id></
sources><sources><id>USER.testDom1.testPO1.testMoveUser3</id></
sources><postOfficeId>POST_OFFICE.testDom2.testPO2</postOfficeId></moveRequest>

```

XML Response:

```

<batchResult>
  <succeeded>2</succeeded>
  <failed>
    <id>USER.testDom1.testPO1.testMoveUser2</id>
    <status>
      <error>true</error>
      <statusCode>403</statusCode>
      <statusCode>56073</statusCode>
      <statusMsg>User owns resources that must be transferred before it can be
deleted</statusMsg>
    </status>
  </failed>
</batchResult>

```

Response Status:

200 - OK

A.52 Moving a Group to a Different Post Office

JSON Request:

```
POST https://localhost:9999/gwadmin-service/system/moverequests
  sources=[{id=GROUP.testDom1.testPO1.testMoveGroup1}]
  postOfficeId=POST_OFFICE.testDom2.testPO2
```

JSON Response:

```
{
  "succeeded" : 0,
  "failed" : [ {
    "id" : "GROUP.testDom1.testPO1.testMoveGroup1",
    "status" : {
      "error" : true,
      "httpStatusCode" : 404,
      "statusCode" : 56074,
      "statusMsg" : "The object is invalid. testDom1.testPO1.testMoveGroup1.",
      "locationHeader" : null
    }
  } ]
}
```

XML Request:

```
POST https://localhost:9999/gwadmin-service/system/moverequests
<moveRequest><sources><id>GROUP.testDom1.testPO1.testMoveGroup1</id></
sources><postOfficeId>POST_OFFICE.testDom2.testPO2</postOfficeId></moveRequest>
```

XML Response:

```
<batchResult>
  <succeeded>0</succeeded>
  <failed>
    <id>GROUP.testDom1.testPO1.testMoveGroup1</id>
    <status>
      <error>true</error>
      <httpStatusCode>404</httpStatusCode>
      <statusCode>56074</statusCode>
      <statusMsg>The object is invalid. testDom1.testPO1.testMoveGroup1.</
statusMsg>
    </status>
  </failed>
</batchResult>
```

Response Status:

200 - OK

A.53 Moving a Resource to a Different Post Office

JSON Request:

```
POST https://localhost:9999/gwadmin-service/system/moverequests
  sources=[{id=RESOURCE.testDom1.testPO1.testMoveResource1,
resourceOwnerId=testMoveUser1}]
  postOfficeId=POST_OFFICE.testDom2.testPO2
```

JSON Response:

```
{
  "succeeded" : 0,
  "failed" : [ {
    "id" : "RESOURCE.testDom1.testPO1.testMoveResource1",
    "status" : {
      "error" : true,
      "httpStatusCode" : 404,
      "statusCode" : 56074,
      "statusMsg" : "The object is invalid. testDom1.testPO1.testMoveResource1.",
      "locationHeader" : null
    }
  } ]
}
```

```
}
```

XML Request:

```
POST https://localhost:9999/gwadmin-service/system/moverequests
<moveRequest><sources><id>RESOURCE.testDom1.testPO1.testMoveResource1</
id><resourceOwnerId>testMoveUser1</resourceOwnerId></
sources><postOfficeId>POST_OFFICE.testDom2.testPO2</postOfficeId></moveRequest>
```

XML Response:

```
<batchResult>
  <succeeded>0</succeeded>
  <failed>
    <id>RESOURCE.testDom1.testPO1.testMoveResource1</id>
    <status>
      <error>true</error>
      <statusCode>404</statusCode>
      <statusCode>56074</statusCode>
      <statusMsg>The object is invalid. testDom1.testPO1.testMoveResource1.</
statusMsg>
    </status>
  </failed>
</batchResult>
```

Response Status:

200 - OK

A.54 Deleting a User from the GroupWise System

Request:

```
DELETE https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/
testPO1/users/testUser1
```

Response Status:

200 - OK

A.55 Deleting a User That Owns Resources from the GroupWise System

Request:

```
DELETE https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/
testPO1/users/testMoveUser2
```

JSON Response:

```
{
  "error" : true,
  "statusCode" : 403,
  "statusMsg" : "User owns resources that must be transferred before it can be
deleted",
  "locationHeader" : null
}
```

XML Response:

```
<apiStatus>
  <error>true</error>
  <statusCode>403</statusCode>
  <statusMsg>User owns resources that must be transferred before it can be
deleted</statusMsg>
</apiStatus>
```

Response Status:

403 - Forbidden

56073: User owns resources that must be transferred before it can be deleted

A.56 Deleting a User That Has Been Moved from the GroupWise System

Request:

```
DELETE https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/
testPO1/users/testMoveUser3
```

JSON Response:

```
{
  "error" : true,
  "statusCode" : 500,
  "statusMsg" : "Pending move or delete operation",
  "locationHeader" : null
}
```

XML Response:

```
<apiStatus>
  <error>true</error>
  <statusCode>500</statusCode>
  <statusMsg>Pending move or delete operation</statusMsg>
</apiStatus>
```

Response Status:

500 - Internal Server Error

56064: Pending move or delete operation

A.57 Deleting a Group from the GroupWise System

Request:
DELETE https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/testGroup1

Response Status:
200 - OK

A.58 Deleting a Member from a Group

Request:
DELETE https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/testGroup1/members/GROUP.testDom1.testPO1.testUser1

Response Status:
200 - OK

A.59 Deleting a Resource from the GroupWise System

Request:
DELETE https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/resources/testResource1

Response Status:
200 - OK

A.60 Deleting a Nickname from the GroupWise System

Request:
DELETE https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/nicknames/testNicknameName1

Response Status:
200 - OK

A.61 Requesting the Client Options for a User

Request:
GET https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/clientoptions

Response Status:
200 - OK

JSON Response:
{
 "id" : null,
 "guid" : null,
 "name" : null,
 "links" : null,
 "timeCreated" : null,
 "timeLastMod" : null,
 "legacyDn" : null,
 "lastModifiedBy" : null,
 "lastModifiedOp" : null,
 "pendingOp" : null,
 "alarmDefaultTime" : {

```

    "lock" : null,
    "value" : {
      "hours" : 0,
      "minutes" : 5,
      "timeInMinutes" : 5
    },
    "restore" : false
  },
  "alarmWhenAccepted" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : true,
    "restore" : false
  },
  "appointmentAcceptedNotification" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : "NONE",
    "restore" : false
  },
  "appointmentCleanupAction" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : "MANUAL_DELETE_ARCHIVE",
    "restore" : false
  },
  "appointmentCleanupDays" : {
    "lock" : null,
    "value" : 14,
    "restore" : false
  },
  "appointmentDefaultLength" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : {
      "hours" : 1,
      "minutes" : 0,
      "timeInMinutes" : 60
    },
    "restore" : false
  },
  "appointmentDeletedNotification" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : "NONE",

```

```

    "restore" : false
  },
  "appointmentDisplayMode" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : "DURATION",
    "restore" : false
  },
  "appointmentIncludeSelf" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : true,
    "restore" : false
  },
  "appointmentOpenedNotification" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : "NONE",
    "restore" : false
  },
  "appointmentTrackingAction" : {
    "lock" : null,
    "value" : "ALL_INFORMATION",
    "restore" : false
  },
  "archiveLocationLinux" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : "",
    "restore" : false
  },
  "archiveLocationUnc" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : "",
    "restore" : false
  },
  "autoDeleteSentMail" : {
    "lock" : null,
    "value" : false,
    "restore" : false
  },
  "autoUpdateUrl" : {
    "lock" : {
      "lockLevel" : "NONE",

```



```

        "itemLocked" : false,
        "lockAvailable" : false,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : "",
    "restore" : false
},
"autoUpdateEnabled" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : false,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : true,
    "restore" : false
},
"autoUpdateForce" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : false,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : false,
    "restore" : false
},
"autoUpdateGraceLogins" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : false,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : 0,
    "restore" : false
},
"autoUpdateAlwaysPrompt" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : false,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : false,
    "restore" : false
},
"boxSizeLimit" : {
    "lock" : null,
    "value" : 0,
    "restore" : false
},
"boxSizeNotify" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : false,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : false,
    "restore" : false
},
"boxSizeWarningThreshold" : {
    "lock" : null,

```

```

    "value" : 0,
    "restore" : false
  },
  "boxThresholdNotify" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : false,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : false,
    "restore" : false
  },
  "busySearchAppointmentLength" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : {
      "hours" : 0,
      "minutes" : 15,
      "timeInMinutes" : 15
    },
    "restore" : false
  },
  "busySearchDays" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : [ "THURSDAY", "FRIDAY", "MONDAY", "TUESDAY", "WEDNESDAY" ],
    "restore" : false
  },
  "busySearchFromTime" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : {
      "hours" : 8,
      "minutes" : 0,
      "timeInMinutes" : 480
    },
    "restore" : false
  },
  "busySearchRange" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : 7,
    "restore" : false
  },
  "busySearchToTime" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,

```

```

    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : {
    "hours" : 17,
    "minutes" : 0,
    "timeInMinutes" : 1020
  },
  "restore" : false
},
"cachingGraceDays" : {
  "lock" : null,
  "value" : 14,
  "restore" : false
},
"cachingMode" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : false,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : "ALLOW",
  "restore" : false
},
"calendarEndTime" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : {
    "hours" : 17,
    "minutes" : 0,
    "timeInMinutes" : 1020
  },
  "restore" : false
},
"calendarFirstOfWeek" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : "SUNDAY",
  "restore" : false
},
"calendarHighlightDays" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : [ "SUNDAY", "SATURDAY" ],
  "restore" : false
},
"calendarShowWeekNumber" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",

```

```

    "modifiable" : true
  },
  "value" : false,
  "restore" : false
},
"calendarStartTime" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : {
    "hours" : 8,
    "minutes" : 0,
    "timeInMinutes" : 480
  },
  "restore" : false
},
"calendarWorkdays" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : [ "THURSDAY", "FRIDAY", "MONDAY", "TUESDAY", "WEDNESDAY" ],
  "restore" : false
},
"certificateDownloadUrl" : {
  "lock" : null,
  "value" : "",
  "restore" : false
},
"checkSpelling" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : false,
  "restore" : false
},
"checkSpellingAsYouType" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : true,
  "restore" : false
},
"classification" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : "NORMAL",
  "restore" : false
},
"clientLicense" : {

```

```

    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : "FULL",
    "restore" : false
  },
  "collaborationSingleSignon" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : false,
    "restore" : false
  },
  "colorScheme" : {
    "lock" : null,
    "value" : "SKY_BLUE",
    "restore" : false
  },
  "composeViews" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : false,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : [ "TEXT", "HTML" ],
    "restore" : false
  },
  "conferencingUrl" : null,
  "conferencingEnabled" : null,
  "concealSubject" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : false,
    "restore" : false
  },
  "convertAttachments" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : false,
    "restore" : false
  },
  "createTrackingItem" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : true,

```

```

    "restore" : false
  },
  "customViewsLocationUnc" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : "",
    "restore" : false
  },
  "defaultComposeView" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : "HTML",
    "restore" : false
  },
  "defaultLibrary" : {
    "lock" : null,
    "value" : "",
    "restore" : false
  },
  "defaultReadView" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : "HTML",
    "restore" : false
  },
  "delayDelivery" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : -1,
    "restore" : false
  },
  "disableHTMLView" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : false,
    "restore" : false
  },
  "displayFolderList" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
  },

```

```

    "value" : true,
    "restore" : false
  },
  "displayMainMenu" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : true,
    "restore" : false
  },
  "displayMainToolBar" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : true,
    "restore" : false
  },
  "displayNavBar" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : true,
    "restore" : false
  },
  "displayQuickViewer" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : false,
    "restore" : false
  },
  "doNotPurgeBeforeBackup" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : false,
    "restore" : false
  },
  "edirectoryAuthentication" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : false,
    "restore" : false
  },
  "encryptForRecipients" : {

```

```

    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : false,
    "restore" : false
  },
  "encryptionAlgorithm" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : "NONE",
    "restore" : false
  },
  "encryptionKeySize" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : "NONE",
    "restore" : false
  },
  "forceCacheCleanup" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : false,
    "restore" : false
  },
  "frequentContacts" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : null,
    "restore" : false
  },
  "folderListViewType" : {
    "lock" : null,
    "value" : [ "FAVORITES", "SIMPLE", "FULL" ],
    "restore" : false
  },
  "globalSignatureApplication" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : "EXTERNAL_MESSAGES",
    "restore" : false
  },

```



```

"globalSignatureList" : {
  "lock" : null,
  "value" : [ "Novell_Global_Signature" ],
  "restore" : false
},
"globalSignatureName" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : "<Default Global Signature>",
  "restore" : false
},
"handleJunkMail" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : false,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : true,
  "restore" : false
},
"internetMailTracking" : {
  "lock" : null,
  "value" : true,
  "restore" : false
},
"junkMailCleanupAction" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : "AUTO_PURGE",
  "restore" : false
},
"junkMailCleanupDays" : {
  "lock" : null,
  "value" : 14,
  "restore" : false
},
"limitsApplyToCache" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : false,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : false,
  "restore" : false
},
"longFolderList" : null,
"mailCleanupAction" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : "MANUAL_DELETE_ARCHIVE",
  "restore" : false
}

```

```

},
"mailCleanupDays" : {
  "lock" : null,
  "value" : 30,
  "restore" : false
},
"mailDeletedNotification" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : "NONE",
  "restore" : false
},
"mailOpenedNotification" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : "NONE",
  "restore" : false
},
"mailTrackingAction" : {
  "lock" : null,
  "value" : "DELIVERED_OPENED",
  "restore" : false
},
"maxMessageSize" : {
  "lock" : null,
  "value" : 0,
  "restore" : false
},
"messageRetention" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : false,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : false,
  "restore" : false
},
"mimeEncoding" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : "UTF8",
  "restore" : false
},
"moveToPublishedCalendar" : {
  "lock" : {
    "lockLevel" : "SET_DOMAIN",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : true,
  "restore" : false
}

```

```

},
"noteAcceptedNotification" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : "NONE",
  "restore" : false
},
"noteDeletedNotification" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : "NONE",
  "restore" : false
},
"noteOpenedNotification" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : "NONE",
  "restore" : false
},
"noteTrackingAction" : {
  "lock" : null,
  "value" : "DELIVERED_OPENED",
  "restore" : false
},
"notifyPollInterval" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : {
    "minutes" : 1,
    "seconds" : 0,
    "timeInSeconds" : 60
  },
  "restore" : false
},
"openNewView" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : false,
  "restore" : false
},
"passwordCaching" : null,
"performMaintenancePurges" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,

```

```

        "lockAvailable" : true,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : false,
    "restore" : false
},
"personalAddressBookUserDefinedFields" : {
    "lock" : null,
    "value" : true,
    "restore" : false
},
"promptBeforePurge" : {
    "lock" : null,
    "value" : false,
    "restore" : false
},
"publishCalendar" : {
    "lock" : {
        "lockLevel" : "SET_DOMAIN",
        "itemLocked" : false,
        "lockAvailable" : true,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : true,
    "restore" : false
},
"publishFreeBusySearch" : {
    "lock" : {
        "lockLevel" : "SET_DOMAIN",
        "itemLocked" : false,
        "lockAvailable" : true,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : true,
    "restore" : false
},
"publishingHost" : {
    "lock" : {
        "lockLevel" : "SET_DOMAIN",
        "itemLocked" : false,
        "lockAvailable" : true,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : "testCalPubHost1",
    "restore" : false
},
"HTMLReplyFormat" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : true,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : "GROUPWISE_CLASSIC",
    "restore" : false
},
"HTMLReplyFormatIncludeHeaders" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : true,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : false,

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```

    "restore" : false
  },
  "HTMLReplyFormatTypePosition" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : "TOP",
    "restore" : false
  },
  "HTMLReplyFormatIncludeDate" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : true,
    "restore" : false
  },
  "HTMLReplyFormatIncludeID" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : true,
    "restore" : false
  },
  "HTMLReplyFormatIncludeName" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : true,
    "restore" : false
  },
  "HTMLReplyFormatIncludeAddress" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : false,
    "restore" : false
  },
  "HTMLReplyFormatIncludeSeparator" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : true,
    "restore" : false
  },
  "plainTextReplyFormat" : {
    "lock" : {

```

```

        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : true,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : "GROUPWISE_CLASSIC",
    "restore" : false
},
"plainTextReplyFormatSeparatorChar" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : true,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : ">",
    "restore" : false
},
"plainTextReplyFormatTypePosition" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : true,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : "TOP",
    "restore" : false
},
"plainTextReplyFormatIncludeAddress" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : true,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : false,
    "restore" : false
},
"plainTextReplyFormatIncludeName" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : true,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : true,
    "restore" : false
},
"plainTextReplyFormatIncludeDate" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : true,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : true,
    "restore" : false
},
"plainTextReplyFormatIncludeID" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : true,
        "lockRights" : "LOCK_USER",

```

```

    "modifiable" : true
  },
  "value" : true,
  "restore" : false
},
"plainTextReplyFormatIncludeSeparator" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : true,
  "restore" : false
},
"quickViewerPosition" : {
  "lock" : null,
  "value" : "BOTTOM",
  "restore" : false
},
"readNext" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : true,
  "restore" : false
},
"readViews" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : false,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : [ "TEXT", "HTML" ],
  "restore" : false
},
"refreshInterval" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : {
    "minutes" : 1,
    "seconds" : 0,
    "timeInSeconds" : 60
  },
  "restore" : false
},
"remoteMode" : {
  "lock" : null,
  "value" : true,
  "restore" : false
},
"requirePassword" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  }
}

```

```

    },
    "value" : false,
    "restore" : false
  },
  "ruleReplyAll" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : false,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : false,
    "restore" : false
  },
  "ruleReplyLoop" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : false,
    "restore" : false
  },
  "sendExpireDays" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : 0,
    "restore" : false
  },
  "sendIllegalExtensions" : {
    "lock" : null,
    "value" : "",
    "restore" : false
  },
  "sendNotify" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : true,
    "restore" : false
  },
  "sendPriority" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : "STANDARD",
    "restore" : false
  },
  "sendRecipientLimit" : {
    "lock" : null,
    "value" : 0,
    "restore" : false
  },
  "sendReplyRequested" : {

```



```

    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : 255,
    "restore" : false
  },
  "sharedAddressBook" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : true,
    "restore" : false
  },
  "sharedFolder" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : true,
    "restore" : false
  },
  "showMessengerPresence" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : true,
    "restore" : false
  },
  "signDigitally" : {
    "lock" : {
      "lockLevel" : "NONE",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : false,
    "restore" : false
  },
  "singleSignon" : {
    "lock" : null,
    "value" : true,
    "restore" : false
  },
  "subscribeCalendar" : {
    "lock" : {
      "lockLevel" : "SET_DOMAIN",
      "itemLocked" : false,
      "lockAvailable" : true,
      "lockRights" : "LOCK_USER",
      "modifiable" : true
    },
    "value" : true,
    "restore" : false
  },
},

```

```

"taskAcceptedNotification" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : "NONE",
  "restore" : false
},
"taskCompletedNotification" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : "NONE",
  "restore" : false
},
"taskDeletedNotification" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : "NONE",
  "restore" : false
},
"taskOpenedNotification" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : "NONE",
  "restore" : false
},
"taskTrackingAction" : {
  "lock" : null,
  "value" : "ALL_INFORMATION",
  "restore" : false
},
"trashCleanupAction" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : "AUTO_PURGE",
  "restore" : false
},
"trashCleanupDays" : {
  "lock" : null,
  "value" : 7,
  "restore" : false
},
"treatImapLikeGW" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : false,

```

```

        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : null,
    "restore" : false
},
"tutorialUrl" : {
    "lock" : null,
    "value" : "",
    "restore" : false
},
"useBlockMailList" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : true,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : false,
    "restore" : false
},
"useColorSchemes" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : true,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : true,
    "restore" : false
},
"useJunkMailList" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : true,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : false,
    "restore" : false
},
"useNntpAccounts" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : false,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : false,
    "restore" : false
},
"usePersonalAddressBook" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : true,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : false,
    "restore" : false
},
"usePersonalAddressBookForCalendar" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,

```

```

        "lockAvailable" : true,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : false,
    "restore" : false
},
"usePopImapAccounts" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : false,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : false,
    "restore" : false
},
"userLimits" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : false,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : false,
    "restore" : false
},
"userPasswordEnabled" : null,
"userPassword" : null,
"useSmime" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : false,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : true,
    "restore" : false
},
"vibeEnabled" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : false,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : false,
    "restore" : false
},
"vibeUrl" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : true,
        "lockRights" : "LOCK_USER",
        "modifiable" : true
    },
    "value" : "",
    "restore" : false
},
"wildcardAddressing" : {
    "lock" : {
        "lockLevel" : "NONE",
        "itemLocked" : false,
        "lockAvailable" : true,
        "lockRights" : "LOCK_USER",

```

```

    "modifiable" : true
  },
  "value" : "LIMITED_TO_POST_OFFICE",
  "restore" : false
},
"htmlreplyFormatIncludeHeaders" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : false,
  "restore" : false
},
"htmlreplyFormatTypePosition" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : "TOP",
  "restore" : false
},
"htmlreplyFormatIncludeDate" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : true,
  "restore" : false
},
"htmlreplyFormatIncludeName" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : true,
  "restore" : false
},
"htmlreplyFormatIncludeAddress" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : false,
  "restore" : false
},
"htmlreplyFormatIncludeSeparator" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : true,
  "restore" : false
}

```

```

},
"htmlreplyFormat" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : "GROUPWISE_CLASSIC",
  "restore" : false
},
"htmlreplyFormatIncludeID" : {
  "lock" : {
    "lockLevel" : "NONE",
    "itemLocked" : false,
    "lockAvailable" : true,
    "lockRights" : "LOCK_USER",
    "modifiable" : true
  },
  "value" : true,
  "restore" : false
},
"@type" : null,
"@url" : null
}

```

XML Response:

```

<clientOptions>
  <forceNullOnAttrs/>
  <alarmDefaultTime>
    <value class="AttrNoUsed">
      <hours>0</hours>
      <minutes>5</minutes>
    </value>
    <restore>>false</restore>
  </alarmDefaultTime>
  <alarmWhenAccepted>
    <lock>
      <lockLevel>NONE</lockLevel>
      <itemLocked>>false</itemLocked>
      <lockAvailable>>true</lockAvailable>
      <lockRights>LOCK_USER</lockRights>
      <modifiable>>true</modifiable>
    </lock>
    <value class="boolean">>true</value>
    <restore>>false</restore>
  </alarmWhenAccepted>
  <appointmentAcceptedNotification>
    <lock>
      <lockLevel>NONE</lockLevel>
      <itemLocked>>false</itemLocked>
      <lockAvailable>>true</lockAvailable>
      <lockRights>LOCK_USER</lockRights>
      <modifiable>>true</modifiable>
    </lock>
    <value class="AttrNoUsed">NONE</value>
    <restore>>false</restore>
  </appointmentAcceptedNotification>
  <appointmentCleanupAction>
    <lock>
      <lockLevel>NONE</lockLevel>
      <itemLocked>>false</itemLocked>
      <lockAvailable>>true</lockAvailable>
      <lockRights>LOCK_USER</lockRights>
      <modifiable>>true</modifiable>
    </lock>
    <value class="AttrNoUsed">MANUAL_DELETE_ARCHIVE</value>
    <restore>>false</restore>
  </appointmentCleanupAction>

```

```

<appointmentCleanupDays>
  <value class="long">14</value>
  <restore>>false</restore>
</appointmentCleanupDays>
<appointmentDefaultLength>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="AttrNoUsed">
    <hours>1</hours>
    <minutes>0</minutes>
  </value>
  <restore>>false</restore>
</appointmentDefaultLength>
<appointmentDeletedNotification>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="AttrNoUsed">NONE</value>
  <restore>>false</restore>
</appointmentDeletedNotification>
<appointmentDisplayMode>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="AttrNoUsed">DURATION</value>
  <restore>>false</restore>
</appointmentDisplayMode>
<appointmentIncludeSelf>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>true</value>
  <restore>>false</restore>
</appointmentIncludeSelf>
<appointmentOpenedNotification>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="AttrNoUsed">NONE</value>
  <restore>>false</restore>
</appointmentOpenedNotification>
<appointmentTrackingAction>
  <value class="AttrNoUsed">ALL_INFORMATION</value>
  <restore>>false</restore>
</appointmentTrackingAction>
<archiveLocationLinux>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>

```

```

    <lockAvailable>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>true</modifiable>
  </lock>
  <value class="string"></value>
  <restore>>false</restore>
</archiveLocationLinux>
<archiveLocationUnc>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>true</modifiable>
  </lock>
  <value class="string"></value>
  <restore>>false</restore>
</archiveLocationUnc>
<autoDeleteSentMail>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</autoDeleteSentMail>
<autoUpdateUrl>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>false</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>true</modifiable>
  </lock>
  <value class="string"></value>
  <restore>>false</restore>
</autoUpdateUrl>
<autoUpdateEnabled>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>false</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>true</modifiable>
  </lock>
  <value class="boolean">>true</value>
  <restore>>false</restore>
</autoUpdateEnabled>
<autoUpdateForce>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>false</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</autoUpdateForce>
<autoUpdateGraceLogins>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>false</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>true</modifiable>
  </lock>
  <value class="long">0</value>
  <restore>>false</restore>
</autoUpdateGraceLogins>
<autoUpdateAlwaysPrompt>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>

```



```

    <lockAvailable>>false</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</autoUpdateAlwaysPrompt>
<boxSizeLimit>
  <value class="long">0</value>
  <restore>>false</restore>
</boxSizeLimit>
<boxSizeNotify>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>false</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</boxSizeNotify>
<boxSizeWarningThreshold>
  <value class="long">0</value>
  <restore>>false</restore>
</boxSizeWarningThreshold>
<boxThresholdNotify>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>false</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</boxThresholdNotify>
<busySearchAppointmentLength>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="AttrNoUsed">
    <hours>0</hours>
    <minutes>15</minutes>
  </value>
  <restore>>false</restore>
</busySearchAppointmentLength>
<busySearchDays>
  <lock>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <modifiable>>true</modifiable>
    <lockLevel>NONE</lockLevel>
    <lockRights>LOCK_USER</lockRights>
  </lock>
  <value>WEDNESDAY</value>
  <value>TUESDAY</value>
  <value>MONDAY</value>
  <value>THURSDAY</value>
  <value>FRIDAY</value>
</busySearchDays>
<busySearchFromTime>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>

```

```

    <lockRights>LOCK_USER</lockRights>
    <modifiable>true</modifiable>
  </lock>
  <value class="AttrNoUsed">
    <hours>8</hours>
    <minutes>0</minutes>
  </value>
  <restore>false</restore>
</busySearchFromTime>
<busySearchRange>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>false</itemLocked>
    <lockAvailable>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>true</modifiable>
  </lock>
  <value class="long">7</value>
  <restore>false</restore>
</busySearchRange>
<busySearchToTime>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>false</itemLocked>
    <lockAvailable>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>true</modifiable>
  </lock>
  <value class="AttrNoUsed">
    <hours>17</hours>
    <minutes>0</minutes>
  </value>
  <restore>false</restore>
</busySearchToTime>
<cachingGraceDays>
  <value class="long">14</value>
  <restore>false</restore>
</cachingGraceDays>
<cachingMode>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>false</itemLocked>
    <lockAvailable>false</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>true</modifiable>
  </lock>
  <value class="AttrNoUsed">ALLOW</value>
  <restore>false</restore>
</cachingMode>
<calendarEndTime>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>false</itemLocked>
    <lockAvailable>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>true</modifiable>
  </lock>
  <value class="AttrNoUsed">
    <hours>17</hours>
    <minutes>0</minutes>
  </value>
  <restore>false</restore>
</calendarEndTime>
<calendarFirstOfWeek>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>false</itemLocked>
    <lockAvailable>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>true</modifiable>
  </lock>

```

```

    </lock>
    <value class="AttrNoUsed">SUNDAY</value>
    <restore>>false</restore>
</calendarFirstOfWeek>
<calendarHighlightDays>
  <lock>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <modifiable>>true</modifiable>
    <lockLevel>NONE</lockLevel>
    <lockRights>LOCK_USER</lockRights>
  </lock>
  <value>SATURDAY</value>
  <value>SUNDAY</value>
</calendarHighlightDays>
<calendarShowWeekNumber>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</calendarShowWeekNumber>
<calendarStartTime>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="AttrNoUsed">
    <hours>8</hours>
    <minutes>0</minutes>
  </value>
  <restore>>false</restore>
</calendarStartTime>
<calendarWorkdays>
  <lock>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <modifiable>>true</modifiable>
    <lockLevel>NONE</lockLevel>
    <lockRights>LOCK_USER</lockRights>
  </lock>
  <value>WEDNESDAY</value>
  <value>TUESDAY</value>
  <value>MONDAY</value>
  <value>THURSDAY</value>
  <value>FRIDAY</value>
</calendarWorkdays>
<certificateDownloadUrl>
  <value class="string"></value>
  <restore>>false</restore>
</certificateDownloadUrl>
<checkSpelling>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</checkSpelling>
<checkSpellingAsYouType>

```

```

    <lock>
      <lockLevel>NONE</lockLevel>
      <itemLocked>>false</itemLocked>
      <lockAvailable>>true</lockAvailable>
      <lockRights>LOCK_USER</lockRights>
      <modifiable>>true</modifiable>
    </lock>
    <value class="boolean">>true</value>
    <restore>>false</restore>
  </checkSpellingAsYouType>
  <classification>
    <lock>
      <lockLevel>NONE</lockLevel>
      <itemLocked>>false</itemLocked>
      <lockAvailable>>true</lockAvailable>
      <lockRights>LOCK_USER</lockRights>
      <modifiable>>true</modifiable>
    </lock>
    <value class="AttrNoUsed">NORMAL</value>
    <restore>>false</restore>
  </classification>
  <clientLicense>
    <lock>
      <lockLevel>NONE</lockLevel>
      <itemLocked>>false</itemLocked>
      <lockAvailable>>true</lockAvailable>
      <lockRights>LOCK_USER</lockRights>
      <modifiable>>true</modifiable>
    </lock>
    <value class="AttrNoUsed">FULL</value>
    <restore>>false</restore>
  </clientLicense>
  <collaborationSingleSignon>
    <lock>
      <lockLevel>NONE</lockLevel>
      <itemLocked>>false</itemLocked>
      <lockAvailable>>true</lockAvailable>
      <lockRights>LOCK_USER</lockRights>
      <modifiable>>true</modifiable>
    </lock>
    <value class="boolean">>false</value>
    <restore>>false</restore>
  </collaborationSingleSignon>
  <colorScheme>
    <value class="AttrNoUsed">SKY_BLUE</value>
    <restore>>false</restore>
  </colorScheme>
  <composeViews>
    <lock>
      <itemLocked>>false</itemLocked>
      <lockAvailable>>false</lockAvailable>
      <modifiable>>true</modifiable>
      <lockLevel>NONE</lockLevel>
      <lockRights>LOCK_USER</lockRights>
    </lock>
    <value>TEXT</value>
    <value>HTML</value>
  </composeViews>
  <concealSubject>
    <lock>
      <lockLevel>NONE</lockLevel>
      <itemLocked>>false</itemLocked>
      <lockAvailable>>true</lockAvailable>
      <lockRights>LOCK_USER</lockRights>
      <modifiable>>true</modifiable>
    </lock>
    <value class="boolean">>false</value>
    <restore>>false</restore>
  </concealSubject>
  <convertAttachments>

```

```

<lock>
  <lockLevel>NONE</lockLevel>
  <itemLocked>>false</itemLocked>
  <lockAvailable>>true</lockAvailable>
  <lockRights>LOCK_USER</lockRights>
  <modifiable>>true</modifiable>
</lock>
<value class="boolean">>false</value>
<restore>>false</restore>
</convertAttachments>
<createTrackingItem>
  <lock>
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    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>true</value>
  <restore>>false</restore>
</createTrackingItem>
<customViewsLocationUnc>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="string"></value>
  <restore>>false</restore>
</customViewsLocationUnc>
<defaultComposeView>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="AttrNoUsed">HTML</value>
  <restore>>false</restore>
</defaultComposeView>
<defaultLibrary>
  <value class="string"></value>
  <restore>>false</restore>
</defaultLibrary>
<defaultReadView>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="AttrNoUsed">HTML</value>
  <restore>>false</restore>
</defaultReadView>
<delayDelivery>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="long">-1</value>
  <restore>>false</restore>
</delayDelivery>
<disableHTMLView>

```

```

<lock>
  <lockLevel>NONE</lockLevel>
  <itemLocked>>false</itemLocked>
  <lockAvailable>>true</lockAvailable>
  <lockRights>LOCK_USER</lockRights>
  <modifiable>>true</modifiable>
</lock>
<value class="boolean">>false</value>
<restore>>false</restore>
</disableHTMLView>
<displayFolderList>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>true</value>
  <restore>>false</restore>
</displayFolderList>
<displayMainMenu>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>true</value>
  <restore>>false</restore>
</displayMainMenu>
<displayMainToolBar>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>true</value>
  <restore>>false</restore>
</displayMainToolBar>
<displayNavBar>
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```

```

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</frequentContacts>

```

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</globalSignatureApplication>
<globalSignatureList>
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  </value>
  <restore>>false</restore>
</globalSignatureList>
<globalSignatureName>
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  </lock>

```



```

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<mailOpenedNotification>
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```

```

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<noteDeletedNotification>
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<noteOpenedNotification>
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```

```

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</personalAddressBookUserDefinedFields>
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<publishFreeBusySearch>
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```

```

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```

```

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  </lock>
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</plainTextReplyFormatIncludeDate>

```

```

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    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>true</value>
  <restore>>false</restore>
</plainTextReplyFormatIncludeID>
<plainTextReplyFormatIncludeSeparator>
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    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>true</value>
  <restore>>false</restore>
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</quickViewerPosition>
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  <restore>>false</restore>
</readNext>
<readViews>
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  </lock>
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</refreshInterval>
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  <restore>>false</restore>
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```

```

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</requirePassword>
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  <restore>>false</restore>
</ruleReplyAll>
<ruleReplyLoop>
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  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</ruleReplyLoop>
<sendExpireDays>
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</sendExpireDays>
<sendIllegalExtensions>
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<sendNotify>
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</sendPriority>
<sendRecipientLimit>
  <value class="long">0</value>
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</sendRecipientLimit>

```

```

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  </lock>
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</sendReplyRequested>
<sharedAddressBook>
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    <lockRights>LOCK_USER</lockRights>
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  </lock>
  <value class="boolean">>true</value>
  <restore>>false</restore>
</sharedAddressBook>
<sharedFolder>
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  </lock>
  <value class="boolean">>true</value>
  <restore>>false</restore>
</sharedFolder>
<showMessengerPresence>
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  </lock>
  <value class="boolean">>true</value>
  <restore>>false</restore>
</showMessengerPresence>
<signDigitally>
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  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</signDigitally>
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</singleSignon>
<subscribeCalendar>
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  <value class="boolean">>true</value>
  <restore>>false</restore>
</subscribeCalendar>

```



```

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  </lock>
  <value class="AttrNoUsed">NONE</value>
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</taskCompletedNotification>
<taskDeletedNotification>
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    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="AttrNoUsed">NONE</value>
  <restore>>false</restore>
</taskDeletedNotification>
<taskOpenedNotification>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="AttrNoUsed">NONE</value>
  <restore>>false</restore>
</taskOpenedNotification>
<taskTrackingAction>
  <value class="AttrNoUsed">ALL_INFORMATION</value>
  <restore>>false</restore>
</taskTrackingAction>
<trashCleanupAction>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="AttrNoUsed">AUTO_PURGE</value>
  <restore>>false</restore>
</trashCleanupAction>
<trashCleanupDays>
  <value class="long">7</value>
  <restore>>false</restore>
</trashCleanupDays>
<treatImapLikeGW>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>false</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>

```

```

    </lock>
    <restore>>false</restore>
</treatImapLikeGW>
<tutorialUrl>
  <value class="string"></value>
  <restore>>false</restore>
</tutorialUrl>
<useBlockMailList>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</useBlockMailList>
<useColorSchemes>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>true</value>
  <restore>>false</restore>
</useColorSchemes>
<useJunkMailList>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</useJunkMailList>
<useNntpAccounts>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>false</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</useNntpAccounts>
<usePersonalAddressBook>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</usePersonalAddressBook>
<usePersonalAddressBookForCalendar>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>

```

```

    <value class="boolean">>false</value>
    <restore>>false</restore>
</usePersonalAddressBookForCalendar>
<usePopImapAccounts>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>false</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</usePopImapAccounts>
<userLimits>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>false</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</userLimits>
<useSmime>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>false</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>true</value>
  <restore>>false</restore>
</useSmime>
<vibeEnabled>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>false</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</vibeEnabled>
<vibeUrl>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="string"></value>
  <restore>>false</restore>
</vibeUrl>
<wildcardAddressing>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="AttrNoUsed">LIMITED_TO_POST_OFFICE</value>
  <restore>>false</restore>
</wildcardAddressing>
</clientOptions>

```

A.62 Updating the Client Options of a User

JSON Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/
users/testUser1/clientoptions
  trashCleanupDays={value=7, restore=false}
  sendReplyRequested={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=255, restore=false}
  readViews={lock={lockLevel=NONE, itemLocked=false, lockAvailable=false,
lockRights=LOCK_USER, modifiable=true}, value=[TEXT, HTML], restore=false}
  appointmentDefaultLength={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value={hours=1,
minutes=0, timeInMinutes=60}, restore=false}
  taskDeletedNotification={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=NONE,
restore=false}
  junkMailCleanupAction={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=AUTO_PURGE,
restore=false}
  publishFreeBusySearch={lock={lockLevel=LOCK_USER, itemLocked=true,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=false,
restore=false}
  cachingMode={lock={lockLevel=NONE, itemLocked=false, lockAvailable=false,
lockRights=LOCK_USER, modifiable=true}, value=ALLOW, restore=false}
  concealSubject={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=false, restore=false}
  checkSpellingAsYouType={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=true,
restore=false}
  cachingGraceDays={value=14, restore=false}
  boxSizeWarningThreshold={value=0, restore=false}
  sharedFolder={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=true, restore=false}
  messageRetention={lock={lockLevel=NONE, itemLocked=false, lockAvailable=false,
lockRights=LOCK_USER, modifiable=true}, value=false, restore=false}
  displayMainToolBar={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=true, restore=false}
  autoUpdateUrl={lock={lockLevel=NONE, itemLocked=false, lockAvailable=false,
lockRights=LOCK_USER, modifiable=true}, value=, restore=false}
  plainTextReplyFormatIncludeID={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=true,
restore=false}
  appointmentIncludeSelf={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=true,
restore=false}
  boxThresholdNotify={lock={lockLevel=NONE, itemLocked=false, lockAvailable=false,
lockRights=LOCK_USER, modifiable=true}, value=false, restore=false}
  defaultComposeView={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=HTML, restore=false}
  showMessengerPresence={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=true,
restore=false}
  plainTextReplyFormatIncludeDate={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=true,
restore=false}
  htmlreplyFormatIncludeID={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=true,
restore=false}
  usePersonalAddressBookForCalendar={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=false,
restore=false}
  vibeUrl={lock={lockLevel=SET_USER, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=https://vibe.novell.com,
restore=false}
  plainTextReplyFormatIncludeName={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=true,
restore=false}
  promptBeforePurge={value=false, restore=false}
```

```

archiveLocationUnc={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=, restore=false}
useBlockMailList={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=false, restore=false}
HTMLReplyFormatIncludeSeparator={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=true,
restore=false}
frequentContacts={value=[SEND_SAVE_INT, RECV_SAVE_INT, RECV_SAVE_EXT,
SEND_SAVE_EXT, RECV_SAVE_TO_ME, AUTO_SAVE], restore=false}
collaborationSingleSignon={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=false,
restore=false}
alarmDefaultTime={value={hours=1, minutes=0, timeInMinutes=60}, restore=false}
htmlreplyFormatIncludeAddress={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=false,
restore=false}
useSmime={lock={lockLevel=NONE, itemLocked=false, lockAvailable=false,
lockRights=LOCK_USER, modifiable=true}, value=true, restore=false}
plainTextReplyFormatIncludeSeparator={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=true,
restore=false}
sendPriority={lock={lockLevel=SET_USER, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=HIGH, restore=false}
plainTextReplyFormat={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true},
value=GROUPWISE_CLASSIC, restore=false}
edirectoryAuthentication={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=false,
restore=false}
noteAcceptedNotification={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=NONE,
restore=false}
personalAddressBookUserDefinedFields={value=true, restore=false}
appointmentCleanupDays={value=14, restore=false}
calendarFirstOfWeek={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=SUNDAY, restore=false}
busySearchFromTime={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value={hours=8, minutes=0,
timeInMinutes=480}, restore=false}
plainTextReplyFormatTypePosition={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=TOP,
restore=false}
noteDeletedNotification={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=NONE,
restore=false}
calendarWorkdays={lock={lockLevel=SET_USER, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=[THURSDAY,
MONDAY, TUESDAY, WEDNESDAY], restore=false}
mailDeletedNotification={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=NONE,
restore=false}
noteOpenedNotification={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=NONE,
restore=false}
plainTextReplyFormatSeparatorChar={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=>,
restore=false}
sendNotify={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=true, restore=false}
refreshInterval={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value={minutes=1, seconds=0,
timeInSeconds=60}, restore=false}
plainTextReplyFormatIncludeAddress={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=false,
restore=false}
appointmentAcceptedNotification={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=NONE,
restore=false}
moveToPublishedCalendar={lock={lockLevel=SET_DOMAIN, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=true,

```

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restore=false}
  userLimits={lock={lockLevel=NONE, itemLocked=false, lockAvailable=false,
lockRights=LOCK_USER, modifiable=true}, value=false, restore=false}
  useJunkMailList={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=false, restore=false}
  encryptionAlgorithm={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=NONE, restore=false}
  publishingHost={lock={lockLevel=SET_DOMAIN, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=testCalPubHost1,
restore=false}
  limitsApplyToCache={lock={lockLevel=NONE, itemLocked=false, lockAvailable=false,
lockRights=LOCK_USER, modifiable=true}, value=false, restore=false}
  htmlreplyFormatTypePosition={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=TOP,
restore=false}
  usePopImapAccounts={lock={lockLevel=NONE, itemLocked=false, lockAvailable=false,
lockRights=LOCK_USER, modifiable=true}, value=false, restore=false}
  delayDelivery={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=-1, restore=false}
  vibeEnabled={lock={lockLevel=SET_USER, itemLocked=false, lockAvailable=false,
lockRights=LOCK_USER, modifiable=true}, value=true, restore=false}
  mailOpenedNotification={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=NONE,
restore=false}
  composeViews={lock={lockLevel=NONE, itemLocked=false, lockAvailable=false,
lockRights=LOCK_USER, modifiable=true}, value=[TEXT, HTML], restore=false}
  busySearchToTime={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value={hours=17, minutes=0,
timeInMinutes=1020}, restore=false}
  globalSignatureApplication={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true},
value=EXTERNAL_MESSAGES, restore=false}
  ruleReplyLoop={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=false, restore=false}
  boxSizeLimit={value=0, restore=false}
  taskOpenedNotification={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=NONE,
restore=false}
  mailTrackingAction={value=DELIVERED_OPENED, restore=false}
  customViewsLocationUnc={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=, restore=false}
  HTMLReplyFormatIncludeHeaders={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=false,
restore=false}
  HTMLReplyFormatIncludeDate={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=true,
restore=false}
  junkMailCleanupDays={value=14, restore=false}
  displayMainMenu={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=true, restore=false}
  sendRecipientLimit={value=0, restore=false}
  appointmentCleanupAction={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true},
value=MANUAL_DELETE_ARCHIVE, restore=false}
  useNntpAccounts={lock={lockLevel=NONE, itemLocked=false, lockAvailable=false,
lockRights=LOCK_USER, modifiable=true}, value=false, restore=false}
  handleJunkMail={lock={lockLevel=NONE, itemLocked=false, lockAvailable=false,
lockRights=LOCK_USER, modifiable=true}, value=true, restore=false}
  globalSignatureName={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=<Default Global Signature>,
restore=false}
  displayNavBar={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=true, restore=false}
  taskAcceptedNotification={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=NONE,
restore=false}
  certificateDownloadUrl={value=, restore=false}
  classification={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=NORMAL, restore=false}
  sendExpireDays={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,

```

```

lockRights=LOCK_USER, modifiable=true}, value=0, restore=false}
  encryptionKeySize={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=NONE, restore=false}
  trashCleanupAction={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=AUTO_PURGE, restore=false}
  HTMLReplyFormatIncludeName={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=true,
restore=false}
  autoUpdateForce={lock={lockLevel=NONE, itemLocked=false, lockAvailable=false,
lockRights=LOCK_USER, modifiable=true}, value=false, restore=false}
  sharedAddressBook={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=true, restore=false}
  calendarStartTime={lock={lockLevel=SET_USER, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value={hours=7,
minutes=30, timeInMinutes=450}, restore=false}
  displayFolderList={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=true, restore=false}
  mailCleanupDays={value=30, restore=false}
  HTMLReplyFormat={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=GROUPWISE_CLASSIC, restore=false}
  folderListViewType={value=[FAVORITES, SIMPLE, FULL], restore=false}
  tutorialUrl={value=, restore=false}
  subscribeCalendar={lock={lockLevel=SET_DOMAIN, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=true,
restore=false}
  maxMessageSize={value=0, restore=false}
  appointmentDisplayMode={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=DURATION,
restore=false}
  appointmentTrackingAction={value=ALL_INFORMATION, restore=false}
  performMaintenancePurges={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=false,
restore=false}
  notifyPollInterval={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value={minutes=1, seconds=0,
timeInSeconds=60}, restore=false}
  ruleReplyAll={lock={lockLevel=NONE, itemLocked=false, lockAvailable=false,
lockRights=LOCK_USER, modifiable=true}, value=false, restore=false}
  checkSpelling={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=false, restore=false}
  taskCompletedNotification={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=NONE,
restore=false}
  requirePassword={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=false, restore=false}
  globalSignatureList={value=[Novell_Global_Signature], restore=false}
  defaultLibrary={value=, restore=false}
  openNewView={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=false, restore=false}
  quickViewerPosition={value=BOTTOM, restore=false}
  forceCacheCleanup={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=false, restore=false}
  autoUpdateGraceLogins={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=false, lockRights=LOCK_USER, modifiable=true}, value=0,
restore=false}
  HTMLReplyFormatIncludeID={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=true,
restore=false}
  busySearchDays={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=[THURSDAY, FRIDAY, MONDAY, TUESDAY,
WEDNESDAY], restore=false}
  treatImapLikeGW={lock={lockLevel=NONE, itemLocked=false, lockAvailable=false,
lockRights=LOCK_USER, modifiable=true}, value=null, restore=false}
  htmlreplyFormatIncludeName={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=true,
restore=false}
  busySearchRange={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=7, restore=false}
  busySearchAppointmentLength={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value={hours=0,

```

```

minutes=15, timeInMinutes=15}, restore=false}
  calendarEndTime={lock={lockLevel=SET_USER, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value={hours=18, minutes=30,
timeInMinutes=1110}, restore=false}
  boxSizeNotify={lock={lockLevel=NONE, itemLocked=false, lockAvailable=false,
lockRights=LOCK_USER, modifiable=true}, value=false, restore=false}
  publishCalendar={lock={lockLevel=SET_DOMAIN, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=true,
restore=false}
  htmlreplyFormatIncludeHeaders={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=false,
restore=false}
  sendIllegalExtensions={value=, restore=false}
  createTrackingItem={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=true, restore=false}
  internetMailTracking={value=true, restore=false}
  signDigitally={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=false, restore=false}
  alarmWhenAccepted={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=true, restore=false}
  calendarShowWeekNumber={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=false,
restore=false}
  htmlreplyFormatIncludeSeparator={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=true,
restore=false}
  convertAttachments={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=false, restore=false}
  HTMLReplyFormatTypePosition={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=TOP,
restore=false}
  autoDeleteSentMail={value=false, restore=false}
  doNotPurgeBeforeBackup={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=false,
restore=false}
  htmlreplyFormatIncludeDate={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=true,
restore=false}
  mimeEncoding={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=UTF8, restore=false}
  archiveLocationLinux={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=, restore=false}
  mailCleanupAction={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=MANUAL_DELETE_ARCHIVE,
restore=false}
  noteTrackingAction={value=DELIVERED_OPENED, restore=false}
  disableHTMLView={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=false, restore=false}
  useColorSchemes={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=true, restore=false}
  colorScheme={value=SKY_BLUE, restore=false}
  htmlreplyFormat={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=GROUPWISE_CLASSIC, restore=false}
  singleSignon={value=true, restore=false}
  wildcardAddressing={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=LIMITED_TO_POST_OFFICE,
restore=false}
  remoteMode={value=true, restore=false}
  displayQuickViewer={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=false, restore=false}
  usePersonalAddressBook={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=false,
restore=false}
  clientLicense={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=FULL, restore=false}
  readNext={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=true, restore=false}
  taskTrackingAction={value=ALL_INFORMATION, restore=false}
  calendarHighlightDays={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=[SUNDAY,

```



```

SATURDAY], restore=false}
  autoUpdateEnabled={lock={lockLevel=NONE, itemLocked=false, lockAvailable=false,
lockRights=LOCK_USER, modifiable=true}, value=true, restore=false}
  autoUpdateAlwaysPrompt={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=false, lockRights=LOCK_USER, modifiable=true}, value=false,
restore=false}
  defaultReadView={lock={lockLevel=NONE, itemLocked=false, lockAvailable=true,
lockRights=LOCK_USER, modifiable=true}, value=HTML, restore=false}
  appointmentDeletedNotification={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=NONE,
restore=false}
  encryptForRecipients={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=false,
restore=false}
  HTMLReplyFormatIncludeAddress={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=false,
restore=false}
  appointmentOpenedNotification={lock={lockLevel=NONE, itemLocked=false,
lockAvailable=true, lockRights=LOCK_USER, modifiable=true}, value=NONE,
restore=false}

```

XML Request:

PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/clientoptions

```

<clientOptions>
  <forceNullOnAttrs/>
  <alarmDefaultTime>
    <value class="AttrNoUsed">
      <hours>1</hours>
      <minutes>0</minutes>
    </value>
    <restore>false</restore>
  </alarmDefaultTime>
  <alarmWhenAccepted>
    <lock>
      <lockLevel>NONE</lockLevel>
      <itemLocked>false</itemLocked>
      <lockAvailable>true</lockAvailable>
      <lockRights>LOCK_USER</lockRights>
      <modifiable>true</modifiable>
    </lock>
    <value class="boolean">true</value>
    <restore>false</restore>
  </alarmWhenAccepted>
  <appointmentAcceptedNotification>
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      <lockAvailable>true</lockAvailable>
      <lockRights>LOCK_USER</lockRights>
      <modifiable>true</modifiable>
    </lock>
    <value class="AttrNoUsed">NONE</value>
    <restore>false</restore>
  </appointmentAcceptedNotification>
  <appointmentCleanupAction>
    <lock>
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      <lockAvailable>true</lockAvailable>
      <lockRights>LOCK_USER</lockRights>
      <modifiable>true</modifiable>
    </lock>
    <value class="AttrNoUsed">MANUAL_DELETE_ARCHIVE</value>
    <restore>false</restore>
  </appointmentCleanupAction>
  <appointmentCleanupDays>
    <value class="long">14</value>
    <restore>false</restore>
  </appointmentCleanupDays>

```

```

<appointmentDefaultLength>
  <lock>
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    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="AttrNoUsed">
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    <minutes>0</minutes>
  </value>
  <restore>>false</restore>
</appointmentDefaultLength>
<appointmentDeletedNotification>
  <lock>
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    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
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  <value class="AttrNoUsed">NONE</value>
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<appointmentDisplayMode>
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    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
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  <value class="AttrNoUsed">DURATION</value>
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<appointmentIncludeSelf>
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    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>true</value>
  <restore>>false</restore>
</appointmentIncludeSelf>
<appointmentOpenedNotification>
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    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="AttrNoUsed">NONE</value>
  <restore>>false</restore>
</appointmentOpenedNotification>
<appointmentTrackingAction>
  <value class="AttrNoUsed">ALL_INFORMATION</value>
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</appointmentTrackingAction>
<archiveLocationLinux>
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    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>

```

```

    <value class="string"></value>
    <restore>>false</restore>
</archiveLocationLinux>
<archiveLocationUnc>
  <lock>
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    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="string"></value>
  <restore>>false</restore>
</archiveLocationUnc>
<autoDeleteSentMail>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</autoDeleteSentMail>
<autoUpdateUrl>
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    <lockAvailable>>false</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
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  </lock>
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  <restore>>false</restore>
</autoUpdateUrl>
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  </lock>
  <value class="boolean">>true</value>
  <restore>>false</restore>
</autoUpdateEnabled>
<autoUpdateForce>
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    <lockAvailable>>false</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</autoUpdateForce>
<autoUpdateGraceLogins>
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    <modifiable>>true</modifiable>
  </lock>
  <value class="long">0</value>
  <restore>>false</restore>
</autoUpdateGraceLogins>
<autoUpdateAlwaysPrompt>
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    <itemLocked>>false</itemLocked>
    <lockAvailable>>false</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>

```

```

    <value class="boolean">>false</value>
    <restore>>false</restore>
</autoUpdateAlwaysPrompt>
<boxSizeLimit>
    <value class="long">0</value>
    <restore>>false</restore>
</boxSizeLimit>
<boxSizeNotify>
    <lock>
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        <lockAvailable>>false</lockAvailable>
        <lockRights>LOCK_USER</lockRights>
        <modifiable>>true</modifiable>
    </lock>
    <value class="boolean">>false</value>
    <restore>>false</restore>
</boxSizeNotify>
<boxSizeWarningThreshold>
    <value class="long">0</value>
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</boxSizeWarningThreshold>
<boxThresholdNotify>
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</boxThresholdNotify>
<busySearchAppointmentLength>
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        <lockRights>LOCK_USER</lockRights>
        <modifiable>>true</modifiable>
    </lock>
    <value class="AttrNoUsed">
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        <minutes>15</minutes>
    </value>
    <restore>>false</restore>
</busySearchAppointmentLength>
<busySearchDays>
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        <modifiable>>true</modifiable>
        <lockLevel>NONE</lockLevel>
        <lockRights>LOCK_USER</lockRights>
    </lock>
    <value>WEDNESDAY</value>
    <value>TUESDAY</value>
    <value>MONDAY</value>
    <value>THURSDAY</value>
    <value>FRIDAY</value>
</busySearchDays>
<busySearchFromTime>
    <lock>
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        <modifiable>>true</modifiable>
    </lock>
    <value class="AttrNoUsed">

```

```

    <hours>8</hours>
    <minutes>0</minutes>
  </value>
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</busySearchFromTime>
<busySearchRange>
  <lock>
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    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="long">7</value>
  <restore>>false</restore>
</busySearchRange>
<busySearchToTime>
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    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="AttrNoUsed">
    <hours>17</hours>
    <minutes>0</minutes>
  </value>
  <restore>>false</restore>
</busySearchToTime>
<cachingGraceDays>
  <value class="long">14</value>
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</cachingGraceDays>
<cachingMode>
  <lock>
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    <lockRights>LOCK_USER</lockRights>
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  </lock>
  <value class="AttrNoUsed">ALLOW</value>
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</cachingMode>
<calendarEndTime>
  <lock>
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    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="AttrNoUsed">
    <hours>18</hours>
    <minutes>30</minutes>
  </value>
  <restore>>false</restore>
</calendarEndTime>
<calendarFirstOfWeek>
  <lock>
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    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="AttrNoUsed">SUNDAY</value>
  <restore>>false</restore>
</calendarFirstOfWeek>

```

```

<calendarHighlightDays>
  <lock>
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    <modifiable>>true</modifiable>
    <lockLevel>NONE</lockLevel>
    <lockRights>LOCK_USER</lockRights>
  </lock>
  <value>SATURDAY</value>
  <value>SUNDAY</value>
</calendarHighlightDays>
<calendarShowWeekNumber>
  <lock>
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    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</calendarShowWeekNumber>
<calendarStartTime>
  <lock>
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    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="AttrNoUsed">
    <hours>7</hours>
    <minutes>30</minutes>
  </value>
  <restore>>false</restore>
</calendarStartTime>
<calendarWorkdays>
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    <lockAvailable>>true</lockAvailable>
    <modifiable>>true</modifiable>
    <lockLevel>SET_USER</lockLevel>
    <lockRights>LOCK_USER</lockRights>
  </lock>
  <value>WEDNESDAY</value>
  <value>TUESDAY</value>
  <value>MONDAY</value>
  <value>THURSDAY</value>
</calendarWorkdays>
<certificateDownloadUrl>
  <value class="string"></value>
  <restore>>false</restore>
</certificateDownloadUrl>
<checkSpelling>
  <lock>
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    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</checkSpelling>
<checkSpellingAsYouType>
  <lock>
    <lockLevel>NONE</lockLevel>
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    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>

```

```

    <modifiable>true</modifiable>
  </lock>
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  <restore>false</restore>
</checkSpellingAsYouType>
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    <lockAvailable>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>true</modifiable>
  </lock>
  <value class="AttrNoUsed">FULL</value>
  <restore>false</restore>
</clientLicense>
<collaborationSingleSignon>
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    <lockAvailable>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>false</restore>
</collaborationSingleSignon>
<colorScheme>
  <value class="AttrNoUsed">SKY_BLUE</value>
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</colorScheme>
<composeViews>
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    <lockAvailable>false</lockAvailable>
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  </lock>
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  <value>HTML</value>
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    <lockAvailable>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>

```

```

    <modifiable>true</modifiable>
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</createTrackingItem>
<customViewsLocationUnc>
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    <lockRights>LOCK_USER</lockRights>
    <modifiable>true</modifiable>
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</customViewsLocationUnc>
<defaultComposeView>
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    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>true</modifiable>
  </lock>
  <value class="AttrNoUsed">HTML</value>
  <restore>>false</restore>
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  <restore>>false</restore>
</defaultLibrary>
<defaultReadView>
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    <modifiable>true</modifiable>
  </lock>
  <value class="AttrNoUsed">HTML</value>
  <restore>>false</restore>
</defaultReadView>
<delayDelivery>
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    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
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</delayDelivery>
<disableHTMLView>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>

```



```

    <modifiable>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</disableHTMLView>
<displayFolderList>
  <lock>
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  </lock>
  <value class="boolean">>true</value>
  <restore>>false</restore>
</displayFolderList>
<displayMainMenu>
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    <lockRights>LOCK_USER</lockRights>
    <modifiable>true</modifiable>
  </lock>
  <value class="boolean">>true</value>
  <restore>>false</restore>
</displayMainMenu>
<displayMainToolBar>
  <lock>
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    <itemLocked>>false</itemLocked>
    <lockAvailable>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>true</modifiable>
  </lock>
  <value class="boolean">>true</value>
  <restore>>false</restore>
</displayMainToolBar>
<displayNavBar>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>true</modifiable>
  </lock>
  <value class="boolean">>true</value>
  <restore>>false</restore>
</displayNavBar>
<displayQuickViewer>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</displayQuickViewer>
<doNotPurgeBeforeBackup>
  <lock>
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    <itemLocked>>false</itemLocked>
    <lockAvailable>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>

```

```

</doNotPurgeBeforeBackup>
<edirectoryAuthentication>
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  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</edirectoryAuthentication>
<encryptForRecipients>
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    <lockRights>LOCK_USER</lockRights>
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    <lockAvailable>>true</lockAvailable>
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  </lock>
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</encryptionAlgorithm>
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  <value>RECV_SAVE_INT</value>
  <value>RECV_SAVE_EXT</value>
  <value>SEND_SAVE_INT</value>
  <value>SEND_SAVE_EXT</value>
  <value>AUTO_SAVE</value>
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  <value>FULL</value>
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<globalSignatureApplication>

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    <restore>>false</restore>
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  </lock>
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```

```

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<performMaintenancePurges>
  <lock>

```

```

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```

```

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```

```

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  <restore>>false</restore>
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```



```

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  <restore>false</restore>
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  </lock>
  <value class="boolean">true</value>
  <restore>false</restore>
</readNext>
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    <seconds>0</seconds>
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```

```

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</sendExpireDays>
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</sendRecipientLimit>
<sendReplyRequested>
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```

```

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</sharedAddressBook>
<sharedFolder>
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  </lock>
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</showMessengerPresence>
<signDigitally>
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  </lock>
  <value class="boolean">false</value>
  <restore>false</restore>
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```

```

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</taskTrackingAction>
<trashCleanupAction>
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</treatImapLikeGW>
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```

```

</tutorialUrl>
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<useColorSchemes>
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    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>true</value>
  <restore>>false</restore>
</useColorSchemes>
<useJunkMailList>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</useJunkMailList>
<useNntpAccounts>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>false</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</useNntpAccounts>
<usePersonalAddressBook>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</usePersonalAddressBook>
<usePersonalAddressBookForCalendar>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</usePersonalAddressBookForCalendar>
<usePopImapAccounts>
  <lock>
    <lockLevel>NONE</lockLevel>

```

```

    <itemLocked>>false</itemLocked>
    <lockAvailable>>false</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</usePopImapAccounts>
<userLimits>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>false</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>false</value>
  <restore>>false</restore>
</userLimits>
<useSmime>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>false</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>true</value>
  <restore>>false</restore>
</useSmime>
<vibeEnabled>
  <lock>
    <lockLevel>SET_USER</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>false</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="boolean">>true</value>
  <restore>>false</restore>
</vibeEnabled>
<vibeUrl>
  <lock>
    <lockLevel>SET_USER</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="string">https://vibe.novell.com</value>
  <restore>>false</restore>
</vibeUrl>
<wildcardAddressing>
  <lock>
    <lockLevel>NONE</lockLevel>
    <itemLocked>>false</itemLocked>
    <lockAvailable>>true</lockAvailable>
    <lockRights>LOCK_USER</lockRights>
    <modifiable>>true</modifiable>
  </lock>
  <value class="AttrNoUsed">LIMITED_TO_POST_OFFICE</value>
  <restore>>false</restore>
</wildcardAddressing>
</clientOptions>

```

Response Status:
200 - OK

A.63 Setting the GroupWise Password of a User

JSON Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/clientoptions
  userPassword={value=novell2012, restore=false}
```

XML Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/clientoptions
<clientOptions>
  <forceNullOnAttrs/>
  <userPassword>
    <value class="string">novell2012</value>
    <restore>false</restore>
  </userPassword>
</clientOptions>
```

Response Status:

200 - OK

A.64 Clearing the GroupWise Password of a User

JSON Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/clientoptions
  userPassword={restore=true}
```

XML Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/clientoptions
<clientOptions>
  <forceNullOnAttrs/>
  <userPassword>
    <restore>true</restore>
  </userPassword>
</clientOptions>
```

Response Status:

200 - OK

A.65 Restoring the Compose Views of a User

JSON Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/clientoptions
  composeViews={restore=true}
```

XML Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/clientoptions
<clientOptions>
  <forceNullOnAttrs/>
  <composeViews>
    <restore>true</restore>
  </composeViews>
</clientOptions>
```

Response Status:

200 - OK

A.66 Modifying the Send Priority Settings of a User

JSON Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/clientoptions
  sendPriority={value=HIGH, restore=false}
```

XML Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/clientoptions
<clientOptions>
  <forceNullOnAttrs/>
  <sendPriority>
    <value class="AttrNoUsed">HIGH</value>
    <restore>false</restore>
  </sendPriority>
</clientOptions>
```

Response Status:

200 - OK

A.67 Modifying the Calendar Settings of a User

JSON Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/clientoptions
  calendarStartTime={value={hours=7, minutes=30, timeInMinutes=450},
restore=false}
  calendarEndTime={value={hours=18, minutes=30, timeInMinutes=1110},
restore=false}
  calendarShowWeekNumber={value=false, restore=false}
  calendarWorkdays={value=[THURSDAY, MONDAY, TUESDAY, WEDNESDAY], restore=false}
```

XML Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/users/testUser1/clientoptions
<clientOptions>
  <forceNullOnAttrs/>
  <calendarEndTime>
    <value class="AttrNoUsed">
      <hours>18</hours>
      <minutes>30</minutes>
    </value>
    <restore>false</restore>
  </calendarEndTime>
  <calendarShowWeekNumber>
    <value class="boolean">false</value>
    <restore>false</restore>
  </calendarShowWeekNumber>
  <calendarStartTime>
    <value class="AttrNoUsed">
      <hours>7</hours>
      <minutes>30</minutes>
    </value>
    <restore>false</restore>
  </calendarStartTime>
  <calendarWorkdays>
    <value>WEDNESDAY</value>
    <value>TUESDAY</value>
    <value>MONDAY</value>
    <value>THURSDAY</value>
  </calendarWorkdays>
</clientOptions>
```

Response Status:

200 - OK

A.68 Modifying the Alarm Settings of a User

JSON Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/
users/testUser1/clientoptions
  alarmDefaultTime={value={hours=1, minutes=0, timeInMinutes=60}, restore=false}
  alarmWhenAccepted={value=true, restore=false}
```

XML Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/
users/testUser1/clientoptions
<clientOptions>
  <forceNullOnAttrs/>
  <alarmDefaultTime>
    <value class="AttrNoUsed">
      <hours>1</hours>
      <minutes>0</minutes>
    </value>
    <restore>>false</restore>
  </alarmDefaultTime>
  <alarmWhenAccepted>
    <value class="boolean">>true</value>
    <restore>>false</restore>
  </alarmWhenAccepted>
</clientOptions>
```

Response Status:

200 - OK

A.69 Disabling and Locking the Publish Free Busy Setting of a User

JSON Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/
users/testUser1/clientoptions
  publishFreeBusySearch={lock={itemLocked=true, lockAvailable=false,
modifiable=false}, value=false, restore=false}
```

XML Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/
users/testUser1/clientoptions
<clientOptions>
  <forceNullOnAttrs/>
  <publishFreeBusySearch>
    <lock>
      <itemLocked>>true</itemLocked>
      <lockAvailable>>false</lockAvailable>
      <modifiable>>false</modifiable>
    </lock>
    <value class="boolean">>false</value>
    <restore>>false</restore>
  </publishFreeBusySearch>
</clientOptions>
```

Response Status:

200 - OK

A.70 Enabling the Vibe Access and Configuring the Vibe URL of a User

JSON Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/
users/testUser1/clientoptions
  vibeEnabled={value=true, restore=false}
  vibeUrl={value=https://vibe.novell.com, restore=false}
```

XML Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/
users/testUser1/clientoptions
<clientOptions>
  <forceNullOnAttrs/>
  <vibeEnabled>
    <value class="boolean">true</value>
    <restore>false</restore>
  </vibeEnabled>
  <vibeUrl>
    <value class="string">https://vibe.novell.com</value>
    <restore>false</restore>
  </vibeUrl>
</clientOptions>
```

Response Status:

200 - OK

A.71 Performing a Batch Operation to Add Members to a Group

JSON Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/
groups/testGroup1/members
  add=[{id=USER.testDom1.testPO1.testGroupMember4, participation=PRIMARY},
{id=USER.testDom1.testPO1.testGroupMember3, participation=PRIMARY},
{id=USER.testDom1.testPO1.testGroupMember6, participation=PRIMARY},
{id=USER.testDom1.testPO1.testGroupMember5, participation=PRIMARY},
{id=USER.testDom1.testPO1.testGroupMember2, participation=PRIMARY},
{id=USER.testDom1.testPO1.testGroupMember1, participation=PRIMARY}]
```

XML Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/
groups/testGroup1/members
<groupMemberListUpdate>
  <forceNullOnAttrs/>
  <add>
    <id>USER.testDom1.testPO1.testGroupMember4</id>
    <forceNullOnAttrs/>
    <participation>PRIMARY</participation>
  </add>
  <add>
    <id>USER.testDom1.testPO1.testGroupMember3</id>
    <forceNullOnAttrs/>
    <participation>PRIMARY</participation>
  </add>
  <add>
    <id>USER.testDom1.testPO1.testGroupMember6</id>
    <forceNullOnAttrs/>
    <participation>PRIMARY</participation>
  </add>
  <add>
    <id>USER.testDom1.testPO1.testGroupMember5</id>
    <forceNullOnAttrs/>
    <participation>PRIMARY</participation>
  </add>
```

```

<add>
  <id>USER.testDom1.testPO1.testGroupMember2</id>
  <forceNullOnAttrs/>
  <participation>PRIMARY</participation>
</add>
<add>
  <id>USER.testDom1.testPO1.testGroupMember1</id>
  <forceNullOnAttrs/>
  <participation>PRIMARY</participation>
</add>
</groupMemberListUpdate>

```

Response Status:
200 - OK

A.72 Performing a Batch Operation to Modify Members of a Group

JSON Request:

```

PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/
groups/testGroup1/members
  update=[{id=USER.testDom1.testPO1.testGroupMember4, participation=CARBON_COPY},
  {id=USER.testDom1.testPO1.testGroupMember3, participation=CARBON_COPY}]
  remove=[USER.testDom1.testPO1.testGroupMember5,
  USER.testDom1.testPO1.testGroupMember6]
  add=[{id=USER.testDom1.testPO1.testGroupMember2, participation=PRIMARY},
  {id=USER.testDom1.testPO1.testGroupMember1, participation=PRIMARY}]

```

XML Request:

```

PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/
groups/testGroup1/members
<groupMemberListUpdate>
  <forceNullOnAttrs/>
  <add>
    <id>USER.testDom1.testPO1.testGroupMember2</id>
    <forceNullOnAttrs/>
    <participation>PRIMARY</participation>
  </add>
  <add>
    <id>USER.testDom1.testPO1.testGroupMember1</id>
    <forceNullOnAttrs/>
    <participation>PRIMARY</participation>
  </add>
  <update>
    <id>USER.testDom1.testPO1.testGroupMember4</id>
    <forceNullOnAttrs/>
    <participation>CARBON_COPY</participation>
  </update>
  <update>
    <id>USER.testDom1.testPO1.testGroupMember3</id>
    <forceNullOnAttrs/>
    <participation>CARBON_COPY</participation>
  </update>
  <remove>USER.testDom1.testPO1.testGroupMember5</remove>
  <remove>USER.testDom1.testPO1.testGroupMember6</remove>
</groupMemberListUpdate>

```

Response Status:
200 - OK

A.73 Performing a Batch Operation to Add ACL Members to a Group

JSON Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/testGroup1/acl
  add=[{id=USER.testDom1.testPO1.testGroupMember4, rights=READ},
{id=USER.testDom1.testPO1.testGroupMember3, rights=READ},
{id=USER.testDom1.testPO1.testGroupMember6, rights=READ},
{id=USER.testDom1.testPO1.testGroupMember5, rights=READ}]
```

XML Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/testGroup1/acl
<accessControlListUpdate>
  <forceNullOnAttrs/>
  <add>
    <forceNullOnAttrs/>
    <id>USER.testDom1.testPO1.testGroupMember4</id>
    <rights>READ</rights>
  </add>
  <add>
    <forceNullOnAttrs/>
    <id>USER.testDom1.testPO1.testGroupMember3</id>
    <rights>READ</rights>
  </add>
  <add>
    <forceNullOnAttrs/>
    <id>USER.testDom1.testPO1.testGroupMember6</id>
    <rights>READ</rights>
  </add>
  <add>
    <forceNullOnAttrs/>
    <id>USER.testDom1.testPO1.testGroupMember5</id>
    <rights>READ</rights>
  </add>
</accessControlListUpdate>
```

Response Status:

200 - OK

A.74 Performing a Batch Operation to Modify Members of a Group

JSON Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/testGroup1/acl
  update=[{id=USER.testDom1.testPO1.testGroupMember4, rights=WRITE},
{id=USER.testDom1.testPO1.testGroupMember3, rights=WRITE}]
  remove=[USER.testDom1.testPO1.testGroupMember5,
USER.testDom1.testPO1.testGroupMember6]
  add=[{id=USER.testDom1.testPO1.testGroupMember2, rights=READ},
{id=USER.testDom1.testPO1.testGroupMember1, rights=READ}]
```

XML Request:

```
PUT https://localhost:9999/gwadmin-service/domains/testDom1/postoffices/testPO1/groups/testGroup1/acl
<accessControlListUpdate>
  <forceNullOnAttrs/>
  <add>
    <forceNullOnAttrs/>
    <id>USER.testDom1.testPO1.testGroupMember2</id>
    <rights>READ</rights>
  </add>
```

```

<add>
  <forceNullOnAttrs/>
  <id>USER.testDom1.testPO1.testGroupMember1</id>
  <rights>READ</rights>
</add>
<update>
  <forceNullOnAttrs/>
  <id>USER.testDom1.testPO1.testGroupMember4</id>
  <rights>WRITE</rights>
</update>
<update>
  <forceNullOnAttrs/>
  <id>USER.testDom1.testPO1.testGroupMember3</id>
  <rights>WRITE</rights>
</update>
<remove>USER.testDom1.testPO1.testGroupMember5</remove>
<remove>USER.testDom1.testPO1.testGroupMember6</remove>
</accessControlListUpdate>

```

Response Status:
200 - OK

A.75 Creating a Trusted Application Record

JSON Request:

```

POST https://localhost:9999/gwadmin-service/system/trustedapps
NMAPEnabled=true
enabled=false
archiveServiceAddress=127.0.0.1
queuingDisabled=false
archiveServiceRequiresSsl=true
providesRetentionService=true
name=testTrustedApp1
requiresSsl=true
ipPort=123
allowArchiveService=true
nmapenabled=true
archiveServicePort=456
ipAddress=127.0.0.1

```

XML Request:

```

POST https://localhost:9999/gwadmin-service/system/trustedapps
<trustedapp>
  <name>testTrustedApp1</name>
  <forceNullOnAttrs/>
  <allowArchiveService>true</allowArchiveService>
  <archiveServiceAddress>127.0.0.1</archiveServiceAddress>
  <archiveServicePort>456</archiveServicePort>
  <archiveServiceRequiresSsl>true</archiveServiceRequiresSsl>
  <providesRetentionService>true</providesRetentionService>
  <ipAddress>127.0.0.1</ipAddress>
  <ipPort>123</ipPort>
  <requiresSsl>true</requiresSsl>
  <enabled>false</enabled>
  <NMAPEnabled>true</NMAPEnabled>
  <queuingDisabled>false</queuingDisabled>
</trustedapp>

```

Response Status:
201 - Created

Trusted App Key is =
3E52134109EF0000B83CF42E441DDB433E52134209EF0000B5CEAD10E8D9F721

A.76 Updating a Trusted Application Record

JSON Request:

```
PUT https://localhost:9999/gwadmin-service/system/trustedapps/testTrustedApp1
  NMAPEnabled=true
  enabled=false
  archiveServiceAddress=127.0.0.1
  queuingDisabled=false
  providesRetentionService=true
  timeLastMod=1371072314000
  requiresSsl=false
  ipPort=123
  timeCreated=1371072314000
  nmapenabled=true
  archiveServicePort=456
  id=TRUSTED_APP.testTrustedApp1
  lastModifiedOp=ADD
  archiveServiceRequiresSsl=true
  @url=/gwadmin-service/system/trustedapps/testTrustedApp1
  description=Trusted App is modified.
  name=testTrustedApp1
  lastModifiedBy=admin.testSystem1
  allowArchiveService=false
  ipAddress=127.0.0.1
```

XML Request:

```
PUT https://localhost:9999/gwadmin-service/system/trustedapps/testTrustedApp1
<trustedapp>
  <id>TRUSTED_APP.testTrustedApp1</id>
  <name>testTrustedApp1</name>
  <url>/gwadmin-service/system/trustedapps/testTrustedApp1</url>
  <timeCreated>1371072577000</timeCreated>
  <timeLastMod>1371072577000</timeLastMod>
  <lastModifiedBy>admin.testSystem1</lastModifiedBy>
  <lastModifiedOp>ADD</lastModifiedOp>
  <forceNullOnAttrs/>
  <allowArchiveService>false</allowArchiveService>
  <archiveServiceAddress>127.0.0.1</archiveServiceAddress>
  <archiveServicePort>456</archiveServicePort>
  <archiveServiceRequiresSsl>true</archiveServiceRequiresSsl>
  <description>Trusted App is modified.</description>
  <providesRetentionService>true</providesRetentionService>
  <ipAddress>127.0.0.1</ipAddress>
  <ipPort>123</ipPort>
  <requiresSsl>false</requiresSsl>
  <enabled>false</enabled>
  <NMAPEnabled>true</NMAPEnabled>
  <queuingDisabled>false</queuingDisabled>
</trustedapp>
```

Response Status:

200 - OK

A.77 Deleting a Trusted Application Record

Request:

```
DELETE https://localhost:9999/gwadmin-service/system/trustedapps/testTrustedApp1
```

Response Status:

200 - OK

B Invalid Characters

Although most characters in the languages supported by GroupWise can be used in GroupWise object names and Internet email addresses, some cannot.

- ♦ [Section B.1, “Invalid Characters in GroupWise Object Names,” on page 199](#)
- ♦ [Section B.2, “Invalid Characters in Internet Email Addresses,” on page 199](#)

B.1 Invalid Characters in GroupWise Object Names

Do not use any of the characters listed below in the names of GroupWise objects:

- ♦ ASCII characters 0-31
- ♦ Asterisk *
- ♦ At sign @
- ♦ Braces { }
- ♦ Colon :
- ♦ Comma ,
- ♦ Double quote "
- ♦ Extended ASCII characters that are graphical or typographical symbols

IMPORTANT: Accented characters in the extended range can be used in GroupWise object names.

- ♦ Parentheses ()
- ♦ Period .

B.2 Invalid Characters in Internet Email Addresses

Internet email addresses must include only RFC-compliant characters, which include:

- ♦ Numbers 0-9
- ♦ Uppercase letters A-Z
- ♦ Lowercase letters a-z
- ♦ Plus sign +
- ♦ Hyphen -
- ♦ Underscore _
- ♦ Tilde ~

In the names of GroupWise objects that can appear in email addresses (users, distribution lists, and resources), use underscores (_) rather than spaces as separators between words to facilitate addressing across the Internet.

If it is important for GroupWise object names to include characters that are invalid in email addresses, you can set up preferred email IDs for those objects in order to give them valid email addresses.

For instructions on providing valid email addresses for GroupWise objects, see the following sections in the [GroupWise 2014 Administration Guide \(https://www.novell.com/documentation/groupwise2014/gw2014_guide_admin/data/admin_front.html\)](https://www.novell.com/documentation/groupwise2014/gw2014_guide_admin/data/admin_front.html):

- ♦ “Changing a User’s Internet Addressing Settings”
- ♦ “Changing a Group’s Internet Addressing Settings”
- ♦ “Changing a Resource’s Internet Addressing Settings”