

GroupWise Web Services

Readme

Novell®

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1 Overview

GroupWise Web Services lets you access Novell GroupWise data from the server. It uses industry standards to directly communicate with GroupWise Post Office Agent (POA). This protocol uses a combination of HTTP, SOAP, and XML to create a GroupWise Web service.

2 What's New

To see what has changed for each version of GroupWise, see “Revision History” in *GroupWise SDK: Web Services* and “Revision History” in *GroupWise SDK: Web Services Events*.

3 GroupWise Installation

You can download an evaluation copy of GroupWise from the Novell Downloads site (<http://download.novell.com/index.jsp>).

For complete installation instructions, see the *GroupWise 2012 Installation Guide*.

4 SDK Contents

Your download includes various files in the following subdirectories:

- ♦ Section 4.1, “New to GroupWise Web Services Directory Contents,” on page 1
- ♦ Section 4.2, “WSDL and Schemas Directory Contents,” on page 2
- ♦ Section 4.3, “ErrorCodes Directory Contents,” on page 2
- ♦ Section 4.4, “Clients Directory Contents,” on page 2

Each subdirectory has its own readme.text file the provides additional details.

4.1 New to GroupWise Web Services Directory Contents

The files in the New to GroupWise Web Services directory have been used to teach GroupWise Web Services in hands-on classes to help developers gain a quick understanding and experience with GroupWise Web Services.

- ♦ GW Web Services Slides.pdf contains the slides from the developer hands-on session at BrainShare and gives an overview of how GroupWise and the SOAP protocol work together.
- ♦ MSNET Setup.pdf explains how to set up your environment to run the included .NET applications.

- ◆ `NetBeans Setup.pdf` explains how to set up your environment to run the included Java NetBean programs.
- ◆ `tracing SOAP messages.txt` explains how to set up a trace utility that captures the SOAP/XML data on the wire. If SSL is used, this trace utility does not display the XML data.

4.2 WSDL and Schemas Directory Contents

The `WSDL and Schemas` directory includes the following files:

- ◆ `readme.txt` explains WSDL and schema files.
- ◆ `groupwise.wsdl` is a GroupWise Web Services Description Language (WSDL) file.
- ◆ `methods.xsd` is an XML schema that describes the GroupWise methods and actions.
- ◆ `types.xsd` is an XML schema that describes GroupWise data elements.
- ◆ `events.xsd` is an XML schema that describes GroupWise events.

There is a subdirectory called `MS.NET` that contains modified schema files for Microsoft .NET. The `readme.txt` file contains more information about this subdirectory.

4.3 ErrorCodes Directory Contents

The `errorCodes` directory contains the `engwerr.txt` file that defines the error codes returned by GroupWise Web Services.

4.4 Clients Directory Contents

Client examples that demonstrate how to use GroupWise Web Services are written in Java, .Net, and C++.

The `clients` directory contains the following subdirectories under the `\Java\JAX-RPC` subdirectory:

- ◆ `JavaClient` contains a feature-rich Java program that demonstrates more of the features that are available in GroupWise Web Services.
- ◆ `gwws` contains precompiled GroupWise Web Services libraries that are included in the `JavaClient` and `BrainShare06` clients.

The `clients` directory also contains the following subdirectories under the `\MS` subdirectory. All of the examples were written in .NET 2005.

- ◆ `beepClient` contains a VC6 example program that demonstrates the GroupWise SOAP protocol without using the WSDL and schemas to generate a library. The `readme.txt` file in the `clients` directory contains information on how to run this program.
- ◆ `eventListener` contains a .NET VB program that demonstrates GroupWise events. It registers for events for all users on a post office, listens for changes, and performs some actions based on the event.
- ◆ `populateMailboxes` contains a .NET VB program that demonstrates GroupWise Web Services. It randomly populates all mailboxes on a post office and is a great tool to test scalability.
- ◆ `vcsClient` contains a C# application that demonstrates how to log in to GroupWise and retrieve the folder and item list.

5 Documentation

You can view the Web Services documentation on the Novell Developer Web site ([http://www.novell.com/developer/ndk/groupwise/groupwise_web_service_\(soap\).html](http://www.novell.com/developer/ndk/groupwise/groupwise_web_service_(soap).html)).

6 Support and Feedback

Please direct technical questions and comments to the Novell Developer Forum (<http://forums.novell.com/novell-product-discussions/developers>).

You can also find helpful information in GroupWise Cool Solutions (<http://www.gwmag.com>).

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