

# Novell iManager

1.5

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QUICK REFERENCE GUIDE



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# About This Guide

This guide contains steps for performing eDirectory™ management tasks in Novell® iManager. This guide contains the following sections:

- ♦ Chapter 1, “Basic eDirectory Management Tasks,” on page 9
- ♦ Chapter 2, “Using the eDirectory Management Utilities,” on page 21
- ♦ Chapter 3, “iPrint Management Tasks,” on page 35
- ♦ Chapter 4, “Certificate Server Management Tasks,” on page 37
- ♦ Chapter 5, “NMAS Management Tasks,” on page 39
- ♦ Chapter 6, “Configuring Role Based Administration,” on page 41
- ♦ Chapter 7, “Advanced iManager Tasks,” on page 45

## Additional Documentation

For more detailed information on completing the tasks listed in this guide, see the *Novell iManager 1.5 Administration Guide*, and the *Novell eDirectory 8.7 Administration Guide*.

## Documentation Updates

For the most recent version of the *Novell iManager 1.5 Quick Reference Guide*, see the Novell iManager 1.5 (<http://www.novell.com/documentation/lg/imanage15/index.html>) Web Site.

## Documentation Conventions

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

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When a single pathname can be written with a backslash for some platforms or a forward slash for other platforms, the pathname is presented with a backslash. Users of platforms that require a forward slash, such as UNIX, should use forward slashes as required by your software.



# 1

## Basic eDirectory Management Tasks

### In This Chapter

- ◆ “Administration Basics” on page 9
- ◆ “Managing User Accounts” on page 12
- ◆ “Managing Groups” on page 14
- ◆ “Administering Rights” on page 15
- ◆ “Extending the eDirectory Schema” on page 17
- ◆ “Partitioning and Replicating eDirectory” on page 18

## Administration Basics


### In This Section

- ◆ “Logging in to an eDirectory Tree” on page 10
- ◆ “Browsing and Finding Objects” on page 10
- ◆ “Creating and Editing Objects” on page 10
- ◆ “Organizing Objects into Containers” on page 11

For more detailed information and instructions, see “Using Novell iManager” in the *Novell iManager 1.5 Administration Guide*.

## Logging in to an eDirectory Tree





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Task	In Novell iManager
Logging in to an eDirectory tree	In a Web browser, enter the following in the address (URL) field:  <b><code>http://iManager_server's_IP_address:port_number/eMFrame/iManager.html</code></b>  For example: <code>http://137.65.135.150:8000/eMFrame/iManager.html</code>
Logging out of an eDirectory tree	Click  .

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## Browsing and Finding Objects



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Task	In Novell iManager
Searching for objects by name	Click  to the left of a text field > Search > Search for Objects Named.
Searching for objects by type	Click  to the left of a text field > Search > Search for These Types > Advanced Searching.
Browsing for objects by name	Click  to the left of a text field > Browse > Look for Objects Named.
Browsing for objects by type	Click  to the left of a text field > Browse > Look for These Types > Advanced Browsing.







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## Creating and Editing Objects






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Task	In Novell iManager
Creating an object	Click  > eDirectory Administration > Create Object.
Modifying an object's properties	Click  > eDirectory Administration > Modify Object.

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Task	In Novell iManager
Modifying multiple objects simultaneously	Click  > eDirectory Administration > Modify Object > Select Multiple Objects.
Renaming an object	Click  > eDirectory Administration > Rename Object.
Copying an object	Click  > eDirectory Administration > Copy Object.
Moving objects	Click  > eDirectory Administration > Move Object.
Moving multiple objects simultaneously	Click  > eDirectory Administration > Move Object > Select Multiple Objects.
Deleting objects	Click  > eDirectory Administration > Delete Object.

## Organizing Objects into Containers








Task	In Novell iManager
Creating an Organization container	Click  > eDirectory Administration > Create Object > Organization.
Creating an Organizational Unit container	Click  > eDirectory Administration > Create Object > Organizational Unit.
Creating a Locality object	Click  > eDirectory Administration > Create Object > Locality.
Creating a Country object	Click  > eDirectory Administration > Create Object > Country.
Creating an Alias object	Click  > eDirectory Administration > Create Object > Alias.

# Managing User Accounts







## In This Section

- ◆ “Creating and Configuring User Accounts” on page 12
- ◆ “Setting Up Optional Account Features” on page 13
- ◆ “Setting Up Login Scripts” on page 13
- ◆ “Managing Passwords” on page 14



## Creating and Configuring User Accounts

Task	In Novell iManager
Creating a User object	Click  > User Management > Create User.
Modifying a User object	Click  > User Management > Modify User.
Modifying multiple User objects simultaneously	Click  > User Management > Modify User > Select Multiple Objects.
Deleting a User object	Click  > User Management > Delete User.
Deleting multiple User objects simultaneously	Click  > User Management > Delete User > Select Multiple Objects.
Enabling a User account	Click  > User Management > Enable Account.
Disabling a User account	Click  > User Management > Disable Account.
Creating a User template	This feature is not available in Novell iManager. When creating a user, you can copy attributes from another User object, or use an existing User Template object created in ConsoleOne.




## Setting Up Optional Account Features

Task	In Novell iManager
Setting up a user's network computing environment	Click  > User Management > Modify User > specify a username and context > click OK > on the General tab, click Environment.
Setting up extra login security for a user	Click  > User Management > Modify User > specify a username and context > click OK > Restrictions > Login Restrictions.
Restricting the locations a user can log in from	Click  > User Management > Modify User > specify a username and context > click OK > Restrictions > Address Restrictions.
Restricting the times when a user can be logged in	Click  > User Management > Modify User > specify a username and context > click OK > Restrictions > Time Restrictions.
Setting up intruder detection for all User objects in a container	Click  > eDirectory Administration > Modify Object > specify a container object > click OK > on the General tab, click Intruder Detection.
Setting up an accounting of a user's network server usage	Click  > User Management > Modify User > specify a username and context > click OK > Restrictions > Account Balance.

## Setting Up Login Scripts

Task	In Novell iManager
Creating or modifying a login script	Click  > User Management > Modify User > specify a username and context > click OK > on the General tab, click Login Script.
Assigning a profile to a user	Click  > User Management > Modify User > specify a username and context > click OK > on the General tab, click Login Script.

# Managing Passwords





Task	In Novell iManager
Setting passwords	Click  > Password Management > Set Password.
Setting password restrictions	Click  > Password Management > Password Restrictions.
Clearing locked passwords	Click  > Password Management > Clear Lockout.

# Managing Groups





## In This Section

- ◆ “Creating and Editing Groups” on page 14
- ◆ “Creating and Editing Dynamic Groups” on page 15

# Creating and Editing Groups

Task	In Novell iManager
Creating a Group object	Click  > Group Management > Create Group.
Modifying a Group object	Click  > Group Management > Modify Group.
Deleting a Group object	Click  > Group Management > Delete Group.
Deleting multiple Group objects simultaneously	Click  > Group Management > Delete Group > Select Multiple Objects.

# Creating and Editing Dynamic Groups



Task	In Novell iManager
Extending an object with the dynamic group auxiliary class	Click  > Dynamic Group Management > Create Extended Object.
Create a Dynamic Group object	Click  > Dynamic Group Management > Create Dynamic Group.
Modifying a Dynamic Group object	Click  > Dynamic Group Management > Modify Dynamic Group.
Deleting a Dynamic Group object	Click  > eDirectory Administration > Delete Object.

## Administering Rights





### In This Section

- ◆ “Assigning Rights Explicitly” on page 15
- ◆ “Granting Equivalence” on page 16
- ◆ “Managing Inherited Rights” on page 16
- ◆ “Viewing Effective Rights” on page 16



## Assigning Rights Explicitly

Task	In Novell iManager
Controlling access to eDirectory, by resource	Click  > Rights Management > Modify Trustees > specify the eDirectory resource (object) that you want to control access to > click OK.
Controlling access to eDirectory, by trustee	Click  > Rights Management > Rights to Other Objects > specify the name of the trustee (the object that possesses, or will possess, the rights) and the context to search from > click OK.


## Granting Equivalence

Task	In Novell iManager
Granting security equivalence by membership	Click  > Group Management > Modify Group > specify the name and context of the Group object you want the users to be security equivalent to > click OK > Members.
Granting security equivalence explicitly to a User object	Click  > User Management > Modify User > specify a username and context > click OK > Security > Security Equal To.
Granting security equivalence explicitly to an object that you want a user to be security equivalent to	Click  > eDirectory Administration > Modify Object > specify the name and context of the object that you want the user to be security equivalent to > click OK > Security > Security Equal To Me.
Setting up an administrator over an object's specific eDirectory properties	Click  > Rights Management > Modify Trustees > specify the name and context of the highest-level container that you want the administrator to manage > click OK.

## Managing Inherited Rights

Task	In Novell iManager
Blocking inherited rights to an object or property	Click  > Rights Management > Modify Inherited Rights Filter.
Editing a list of inherited rights filters	Click  > Rights Management > Modify Inherited Rights Filter.

## Viewing Effective Rights

Task	In Novell iManager
Viewing effective rights to an eDirectory object or property	Click  > Rights Management > View Effective Rights.






# Extending the eDirectory Schema

## In This Section

- ◆ “Defining Custom Object Classes and Attributes” on page 17
- ◆ “Viewing Class and Attribute Information” on page 17
- ◆ “Defining and Using Auxiliary Classes” on page 17
- ◆ “Deleting Unused Classes and Attributes” on page 18

## Defining Custom Object Classes and Attributes



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Task	In Novell iManager
Defining a custom object class	Click  > Schema Management > Create Class.
Defining a custom attribute	Click  > Schema Management > Create Attribute.
Adding optional attributes to a class	Click  > Schema Management > Add Attribute.

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## Viewing Class and Attribute Information


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Task	In Novell iManager
Viewing class information	Click  > Schema Management > Class Information.
Viewing attribute information	Click  > Schema Management > Attribute Information.



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## Defining and Using Auxiliary Classes



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Task	In Novell iManager
Defining an auxiliary class	Click  > Schema Management > Create Class > enter a Class name > click Next > Auxiliary Class.

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Task	In Novell iManager
Extending an object with the properties of an auxiliary class	Click  > Schema Management > Object Extensions.
Deleting auxiliary properties from an object	Click  > Schema Management > Object Extensions > specify the name and context of the object > click OK > select an auxiliary class extension > click Remove.

## Deleting Unused Classes and Attributes




Task	In Novell iManager
Deleting an attribute from the schema	Click  > Schema Management > Delete Attribute.
Deleting a class from the schema	Click  > Schema Management > Delete Class.


## Partitioning and Replicating eDirectory

### In This Section






- ◆ “Managing Partitions” on page 18
- ◆ “Managing Replicas” on page 19

## Managing Partitions

Task	In Novell iManager
Viewing information about a partition	Click  > Partition and Replica Management > View Partition Information.
Splitting a partition (creating a child partition)	Click  > Partition and Replica Management > Create Partition.
Merging a child partition with its parent partition	Click  > Partition and Replica Management > Merge Partition.

Task	In Novell iManager
Moving a partition	Click  > Partition and Replica Management > Move Partition.

## Managing Replicas

Task	In Novell iManager
Viewing replication information	Click  > Partition and Replica Management > Replica View.
Adding a replica	Click  > Partition and Replica Management > Replica View > specify a partition or Server object > click OK > Add Replica.
Deleting a replica	Click  > eDirectory Maintenance Utilities > Replica Repair > specify a server > click Next > authenticate to the server > click Next > Advanced > Destroy the Selected Replica.
Replicating selected data only	Click  > Partition and Replica Management > Replica View > specify a partition or Server object > click OK > Edit.
Configuring a filtered replica	Click  > Partition and Replica Management > Replica Wizard.



# 2



## Using the eDirectory Management Utilities

### In This Chapter


- ◆ “Backup and Restore” on page 21
- ◆ “DSMerge” on page 22
- ◆ “DSRepair” on page 22
- ◆ “Novell Import Convert Export Wizard” on page 27
- ◆ “Index Management” on page 28
- ◆ “Service Manager” on page 28
- ◆ “LDAP Management” on page 29
- ◆ “SNMP Management” on page 30
- ◆ “WAN Traffic Management” on page 31

## Backup and Restore

For more detailed information and instructions, see Backing Up and Restoring Novell eDirectory in the *Novell eDirectory 8.7 Administration Guide*.

Task	In Novell iManager
Backing up data from an eDirectory database	Click  > eDirectory Maintenance Utilities > Backup.
Configuring backup options	Click  > eDirectory Maintenance Utilities > Backup Configuration.

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Task	In Novell iManager
Restoring an eDirectory database from data stored in a backup file	Click  > eDirectory Maintenance Utilities > Restore.

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## DSMerge

For more detailed information and instructions, see Merging Novell eDirectory Trees in the *Novell eDirectory 8.7 Administration Guide*.

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Task	In Novell iManager
Merging eDirectory trees	Click  > eDirectory Maintenance Utilities > Merge Tree.
Grafting a single server tree	Click  > eDirectory Maintenance Utilities > Graft Tree.
Renaming a tree	Click  > eDirectory Maintenance Utilities > Rename Tree.

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## DSRepair






### In This Section

- ◆ “Performing Basic Repair Operations” on page 23
- ◆ “Viewing and Configuring the Repair Log File” on page 23
- ◆ “Performing a Repair in Novell iMonitor” on page 24
- ◆ “Repairing Replicas” on page 24
- ◆ “Repairing Replica Rings” on page 25
- ◆ “Maintaining the Schema” on page 25
- ◆ “Repairing Server Network Addresses” on page 26
- ◆ “Performing Synchronization Operations” on page 27

For more detailed information and instructions, see Repairing the Novell eDirectory Database in the *Novell eDirectory 8.7 Administration Guide*.

## Performing Basic Repair Operations


For more detailed information and instructions, see “Performing Basic Repair Operations in the *Novell eDirectory 8.7 Administration Guide*.”

Task	In Novell iManager
Performing an unattended full repair	Click  > eDirectory Maintenance Utilities > Basic Repair > specify a server > click Next > authenticate to the server > click Next > Unattended Full Repair.
Performing a local database repair	Click  > eDirectory Maintenance Utilities > Basic Repair > specify a server > click Next > authenticate to the server > click Next > Local Database Repair.
Checking external references	Click  > eDirectory Maintenance Utilities > Basic Repair > specify a server > click Next > authenticate to the server > click Next > Check External References.
Repairing a single object	Click  > eDirectory Maintenance Utilities > Basic Repair > specify a server > click Next > authenticate to the server > click Next > Single Object Repair.
Deleting unknown leaf objects	Click  > eDirectory Maintenance Utilities > Basic Repair > specify a server > click Next > authenticate to the server > click Next > Delete Unknown Leaf Objects.

## Viewing and Configuring the Repair Log File


For more detailed information and instructions, see “Viewing and Configuring the Repair Log File in the *Novell eDirectory 8.7 Administration Guide*.”

Task	In Novell iManager
Opening the log file	Click  > eDirectory Maintenance Utilities > Log File > specify a server > click Next > authenticate to the server > click Next > Open Log File.

Task	In Novell iManager
Setting log file options	Click  > eDirectory Maintenance Utilities > Log File > specify a server > click Next > authenticate to the server > click Next > Log File Options.





## Performing a Repair in Novell iMonitor

For more detailed information and instructions, see “Performing a Repair in Novell iMonitor in the *Novell eDirectory 8.7 Administration Guide*.


Task	In Novell iManager
Performing a repair in Novell iMonitor	Click  > eDirectory Maintenance Utilities > Repair via iMonitor.

## Repairing Replicas

For more detailed information and instructions, see “Repairing Replicas in the *Novell eDirectory 8.7 Administration Guide*.






Task	In Novell iManager
Repairing all replicas	Click  > eDirectory Maintenance Utilities > Replica Repair > specify a server > click Next > authenticate to the server > click Next > Repair All Replicas.
Repairing selected replicas	Click  > eDirectory Maintenance Utilities > Replica Repair > specify a server > click Next > authenticate to the server > click Next > Repair the Selected Replica.
Repairing time stamps	Click  > eDirectory Maintenance Utilities > Replica Repair > specify a server > click Next > authenticate to the server > click Next > Advanced > Repair Timestamps and Declare a New Epoch.
Designating a server as the new master replica	Click  > eDirectory Maintenance Utilities > Replica Repair > specify a server > click Next > authenticate to the server > click Next > Designate This Server As the New Master Replica.



Task	In Novell iManager
Destroying a selected replica	Click  > eDirectory Maintenance Utilities > Replica Repair > specify a server > click Next > authenticate to the server > click Next > Advanced > Destroy the Selected Replica.







## Repairing Replica Rings

For more detailed information and instructions, see “Repairing Replica Rings” in the *Novell eDirectory 8.7 Administration Guide*.

Task	In Novell iManager
Repairing all replica rings	Click  > eDirectory Maintenance Utilities > Replica Ring Repair > specify a server > click Next > authenticate to the server > click Next > Repair All Replica Rings.
Repairing a selected replica ring	Click  > eDirectory Maintenance Utilities > Replica Ring Repair > specify a server > click Next > authenticate to the server > click Next > Repair the Selected Replica Ring.
Sending all objects to every server in the ring	Click  > eDirectory Maintenance Utilities > Replica Ring Repair > specify a server > click Next > authenticate to the server > click Next > Send All Objects to Every Server in the Ring.
Receiving all objects from the master to the selected replica	Click  > eDirectory Maintenance Utilities > Replica Ring Repair > specify a server > click Next > authenticate to the server > click Next > Receive All Objects From the Master to the Selected Replica.
Removing a server from the replica ring	Click  > eDirectory Maintenance Utilities > Replica Ring Repair > specify a server > click Next > authenticate to the server > click Next > Remove This Server From the Replica Ring.


## Maintaining the Schema


For more detailed information and instructions, see “Maintaining the Schema” in the *Novell eDirectory 8.7 Administration Guide*.

Task	In Novell iManager
Requesting schema from a tree	Click  > eDirectory Maintenance Utilities > Schema Maintenance > specify a server > click Next > authenticate to the server > click Next > Request Schema From Tree.
Resetting the local schema	Click  > eDirectory Maintenance Utilities > Schema Maintenance > specify a server > click Next > authenticate to the server > click Next > Reset Local Schema.
Performing a post NetWare 5 schema update	Click  > eDirectory Maintenance Utilities > Schema Maintenance > specify a server > click Next > authenticate to the server > click Next > Post NetWare 5 Schema Update.
Performing optional schema enhancements	Click  > eDirectory Maintenance Utilities > Schema Maintenance > specify a server > click Next > authenticate to the server > click Next > Optional Schema Enhancements.
Importing remote schema	Click  > eDirectory Maintenance Utilities > Schema Maintenance > specify a server > click Next > authenticate to the server > click Next > Import Remote Schema.
Declaring a new schema epoch	Click  > eDirectory Maintenance Utilities > Schema Maintenance > specify a server > click Next > authenticate to the server > click Next > Declare a New Epoch.

## Repairing Server Network Addresses






For more detailed information and instructions, see “Repairing Server Network Addresses in the *Novell eDirectory 8.7 Administration Guide*.

Task	In Novell iManager
Repairing all network addresses	Click  > eDirectory Maintenance Utilities > Server Repair > specify a server > click Next > authenticate to the server > click Next > Repair All Network Addresses.

Task	In Novell iManager
Repairing a server's network addresses	Click  > eDirectory Maintenance Utilities > Server Repair > specify a server > click Next > authenticate to the server > click Next > Repair This Server's Network Addresses.




## Performing Synchronization Operations

For more detailed information and instructions, see “Performing Synchronization Operations in the *Novell eDirectory 8.7 Administration Guide*.

Task	In Novell iManager
Synchronizing the selected replica	Click  > eDirectory Maintenance Utilities > Sync Repair > specify a server > click Next > authenticate to the server > click Next > Sync the Selected Replica on This Server.
Reporting the synchronization status on a server	Click  > eDirectory Maintenance Utilities > Sync Repair > specify a server > click Next > authenticate to the server > click Next > Report the Sync Status On This Server.
Reporting the synchronization status on all servers	Click  > eDirectory Maintenance Utilities > Sync Repair > specify a server > click Next > authenticate to the server > click Next > Report the Sync Status On All Servers.
Performing a time synchronization	Click  > eDirectory Maintenance Utilities > Sync Repair > specify a server > click Next > authenticate to the server > click Next > Time Sync.
Scheduling an immediate synchronization	Click  > eDirectory Maintenance Utilities > Sync Repair > specify a server > click Next > authenticate to the server > click Next > Schedule Immediate Sync.





## Novell Import Convert Export Wizard

For more detailed information and instructions, see “Novell Import Conversion Export Utility in the *Novell eDirectory 8.7 Administration Guide*.

Task	In Novell iManager
Importing data from an LDIF, delimited text, schema, or LOAD file	Click  > eDirectory Maintenance Utilities > Import Convert Export Wizard > Import Data From File On Disk.
Exporting data to an LDIF or delimited text file	Click  > eDirectory Maintenance Utilities > Import Convert Export Wizard > Export Data to a File On Disk.
Migrating data between LDAP servers	Click  > eDirectory Maintenance Utilities > Import Convert Export Wizard > Migrate Data Between Servers.






## Index Management

For more detailed information and instructions, see “Index Manager in the *Novell eDirectory 8.7 Administration Guide*.

Task	In Novell iManager
Creating an index	Click  > eDirectory Maintenance Utilities > Index Management >select a server > click Create.
Deleting an index	Click  > eDirectory Maintenance Utilities > Index Management >select a server > click Delete.
Taking an index offline	Click  > eDirectory Maintenance Utilities > Index Management >select a server > click Change State.
Managing indexes on other servers	Click  > eDirectory Maintenance Utilities > Index Management >select a server > click Modify Index Location.






## Service Manager











For more detailed information and instructions, see “eDirectory Service Manager in the *Novell eDirectory 8.7 Administration Guide*.

Task	In Novell iManager
View information about eDirectory services and their states	Click  > eDirectory Maintenance Utilities > eDirectory Service Manager.
Starting an eDirectory service	Click  > eDirectory Maintenance Utilities > eDirectory Service Manager >  .
Stopping an eDirectory service	Click  > eDirectory Maintenance Utilities > eDirectory Service Manager >  .

## LDAP Management






For more detailed information and instructions, see “Configuring LDAP Services for Novell eDirectory in the *Novell eDirectory 8.7 Administration Guide*.

Task	In Novell iManager
Creating an LDAP Server object	Click  > LDAP Management > Create LDAP Object > LDAP Server.
Creating an LDAP Group object	Click  > LDAP Management > Create LDAP Object > LDAP Group.
Deleting an LDAP object	Click  > LDAP Management > Delete LDAP Object.
Modifying an LDAP Server object	Click  > LDAP Management > LDAP Overview > View LDAP Servers.
Modifying an LDAP Group object	Click  > LDAP Management > LDAP Overview > View LDAP Groups.

Task	In Novell iManager
Allowing clear text passwords	Click  > LDAP Management > LDAP Overview > View LDAP Groups > select an LDAP Group object > deselect Require TLS for Simple Binds with Password.
Mapping LDAP Group attributes	Click  > LDAP Management > LDAP Overview > View LDAP Groups > select an LDAP Group object > click Attribute Map.
Mapping LDAP Group classes	Click  > LDAP Management > LDAP Overview > View LDAP Groups > select an LDAP Group object > click Class Map.
Refreshing the LDAP server	Click  > LDAP Management > LDAP Overview > View LDAP Servers > select an LDAP Server object > click Restart.
Configuring TLS/SSL	Click  > LDAP Management > LDAP Overview > View LDAP Servers > select an LDAP Server object > click Connections.
Changing the LDAP server ports	Click  > LDAP Management > LDAP Overview > View LDAP Servers > select an LDAP Server object > click Connections.
Modifying LDAP searches	Click  > LDAP Management > LDAP Overview > View LDAP Servers > select an LDAP Server object > click Searches.
Enabling non-standard schema output	Click  > LDAP Management > LDAP Overview > View LDAP Servers > select an LDAP Server object > click Searches > Nonstandard Behaviors.
Enabling event monitoring	Click  > LDAP Management > LDAP Overview > View LDAP Servers > select an LDAP Server object > click Events.
Configuring trace output messages	Click  > LDAP Management > LDAP Overview > View LDAP Servers > select an LDAP Server object > click Tracing.

## SNMP Management

For more detailed information and instructions, see “SNMP Support for Novell eDirectory in the *Novell eDirectory 8.7 Administration Guide*.

Task	In Novell iManager
Creating SNMP Group objects	Click  > SNMP Management > Create Object.
Deleting SNMP Group objects	Click  > SNMP Management > Delete Object.
Configuring SNMP general settings	Click  > SNMP Management > SNMP Overview > View SNMP Group Objects > select an SNMP Group object.
Configuring SNMP Traps	Click  > SNMP Management > SNMP Overview > View SNMP Group Objects > select an SNMP Group object > click Traps.
Viewing the SNMP Group object DN.	Click  > SNMP Management > SNMP Overview > View NCP Server Objects > select an NCP Server object.

## WAN Traffic Management



### In This Section




- ◆ “Creating and Managing WAN Objects” on page 31
- ◆ “Creating and Modifying WAN Policies” on page 32
- ◆ “Assigning Cost Factors” on page 33

For more detailed information and instructions, see “WAN Traffic Manager in the *Novell eDirectory 8.7 Administration Guide*.

## Creating and Managing WAN Objects






For more detailed information and instructions, see “LAN Area Objects in the *Novell eDirectory 8.7 Administration Guide*.

Task	In Novell iManager
Creating a LAN Area object	Click  > WAN Traffic Management > Create LAN Area.
Deleting a LAN Area object	Click  > WAN Traffic Management > Delete LAN Area.



Task	In Novell iManager
Extending the schema for WAN Traffic management	Click  > WAN Traffic Management > WAN Traffic Management Schema.
Adding servers to a LAN Area object	Click  > WAN Traffic Management > WAN Traffic Manager Overview > View LAN Areas > select a LAN Area object > click Server List.
Assigning an NCP Server object to be a member of a LAN Area	Click  > WAN Traffic Management > WAN Traffic Manager Overview > View NCP Servers > select an NCP Server object > click Membership.

## Creating and Modifying WAN Policies

For more detailed information and instructions, see “WAN Traffic Policies in the *Novell eDirectory 8.7 Administration Guide*.



Task	In Novell iManager
Applying WAN Traffic policies to a LAN Area object	Click  > WAN Traffic Management > WAN Traffic Manager Overview > View LAN Areas > select a LAN Area object > click Policies > Add Policy.
Applying WAN Traffic policies to an NCP Server object	Click  > WAN Traffic Management > WAN Traffic Manager Overview > View NCP Servers > select an NCP Server object > click Policies > Add Policy.
Modifying WAN policies applied to a LAN Area object	Click  > WAN Traffic Management > WAN Traffic Manager Overview > View LAN Areas > select a LAN Area object > click Policies.
Modifying WAN policies applied to an NCP Server object	Click  > WAN Traffic Management > WAN Traffic Manager Overview > View NCP Servers > select an NCP Server object > click Policies.
Renaming an existing WAN policy	Click  > WAN Traffic Management > WAN Traffic Manager Overview > View LAN Areas or View NCP Servers > select a LAN Area or NCP Server object > click Policies > Rename Policy.



Task	In Novell iManager
Creating a new WAN policy for a LAN Area object	Click  > WAN Traffic Management > WAN Traffic Manager Overview > View LAN Areas > select a LAN Area object > click Policies > Create Policy.
Creating a new WAN policy for an NCP Server object	Click  > WAN Traffic Management > WAN Traffic Manager Overview > View NCP Servers > select an NCP Server object > click Policies > Create Policy.

## Assigning Cost Factors

For more detailed information and instructions, see “Assigning Cost Factors in the *Novell eDirectory 8.7 Administration Guide*.”

Task	In Novell iManager
Assigning cost factors to a LAN Area object	Click  > WAN Traffic Management > WAN Traffic Manager Overview > View LAN Areas > select a LAN Area object > click Costs.
Assigning cost factors to an NCP Server object	Click  > WAN Traffic Management > WAN Traffic Manager Overview > View NCP Servers > select an NCP Server object > click Costs.









# 3

## iPrint Management Tasks




To get started, Novell® iPrint requires the creation of at least one of each of the following:

- ◆ print service manager
- ◆ broker
- ◆ NDPS printer object

Once you create a print service manager and a broker, you can create printers and begin using iPrint. For more detailed information and instructions, see the *iPrint Administration Guide* (<http://www.novell.com/documentation/lg/nw6p/index.html>).

Task	In Novell iManager
Creating a Printer object	Click  > iPrint Management > Create a Printer.
Creating a Print Service Manager	Click  > iPrint Management > Create a Print Service Manager.
Creating a broker	Click  > iPrint Management > Create Broker.
Deleting an NDPS printer object	Click  > iPrint Management > Delete NDPS Object.
Enabling iPrint access	Click  > iPrint Management > Enable iPrint Access.
Managing a printer	Click  > iPrint Management > Manage Printer.

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Task	In Novell iManager
Managing a Print Service Manager	Click  > iPrint Management > Manage Print Service Manager.
Managing a broker	Click  > iPrint Management > Manager Broker.
Configuring an RPM	Click  > iPrint Management > Create a Printer.

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# 4

## Certificate Server Management Tasks

Novell® Certificate Server provides public key cryptography services that are natively integrated into Novell eDirectory™ and that allow you to mint, issue, and manage both user and server certificates. These services allow you to protect confidential data transmissions over public communication channels such as the Internet.




For more detailed information and instructions, see the *Novell Certificate Server Administration Guide* (<http://www.novell.com/documentation/lg/crt221ad/index.html>).

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Task	In Novell iManager
Creating a CRL Distribution Point	Click  > Novell Certificate Server Management > Create CRL Distribution Point.
Creating a User Certificate	Click  > Novell Certificate Server Management > Create User Certificate.
Creating a Server Certificate	Click  > Novell Certificate Server Management > Create Server Certificate.
Creating a Certificate Authority	Click  > Novell Certificate Server Management > Create Certificate Authority.
Issuing Certificates	Click  > Novell Certificate Server Management > Issue Certificate.

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Task	In Novell iManager
Creating a Trusted Root	Click  > Novell Certificate Server Management > Create Trusted Root.
Creating SAS Service objects	Click  > Novell Certificate Server Management > Create SAS Service Object.
Creating a Trusted Root container	Click  > Novell Certificate Server Management > Create Trusted Root Container.

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# 5




## NMAS Management Tasks












Novell® Modular Authentication Services (NMAS™) is designed to help you protect information on your network. NMAS brings together additional methods of authentication to Novell eDirectory™ to help ensure that the people accessing your network resources are who they say they are. Also, you can grant or restrict access to network resources based on how a user authenticates to eDirectory.

To use the NMAS login methods, you will need the following:

- ◆ NMAS software installed on a server (requires administrator rights to the root of the eDirectory tree)
- ◆ NMAS client software installed on each workstation that you want to use the NMAS login methods
- ◆ The latest version of the Novell Client™ software
- ◆ The latest version of ConsoleOne®

For more information, see the *NMAS Administration Guide* (<http://www.novell.com/documentation/lg/nmas202/index.html>).

Task	In Novell iManager
Adding NMAS users	Click  > NMAS Management > NMAS Users.
Enabling or disabling the password for an NDS Password login method	Click  > NMAS Management > NMAS Users > NMAS Login Methods > eDirectory Password.
Managing Simple Passwords	Click  > NMAS Management > NMAS Users > NMAS Login Methods > Simple Password.

Task	In Novell iManager
Selecting default and authorized login sequences for a user	Click  > NMAS Management > NMAS Users > NMAS Login Sequences.
Configuring a login sequence	Click  > NMAS Management > NMAS Login Sequences.
Adding a login sequence	Click  > NMAS Management > NMAS Login Sequences >  .
Deleting a login sequence	Click  > NMAS Management > NMAS Login Sequences >  .
Selecting a login method	Click  > NMAS Management > NMAS Login Methods.
Modifying a login method	Click  > NMAS Management > NMAS Login Methods > select a login method > click  .
Deleting a login method	Click  > NMAS Management > NMAS Login Methods > select a login method > click  .



# 6









## Configuring Role Based Administration







### In This Chapter

- ◆ “Creating and Editing Roles” on page 41
- ◆ “Creating and Editing Tasks” on page 42
- ◆ “Creating and Editing Collections” on page 43
- ◆ “Creating and Editing Modules” on page 43







For more detailed information on configuring role base administration in iManager, see the *Novell iManager 1.5 Administration Guide*.

## Creating and Editing Roles







Task	In Novell iManager
Creating an iManager role	Click  > Role Configuration > Create iManager Role.
Creating an eGuide role	Click  > Role Configuration > Create eGuide Role.
Modifying the tasks assigned to an iManager role	Click  > Role Configuration > Modify iManager Role >  .
Modifying the User objects assigned to an iManager role	Click  > Role Configuration > Modify iManager Role >  .
Modifying the tasks assigned to an eGuide role	Click  > Role Configuration > Modify eGuide Role >  .

Task	In Novell iManager
Modifying the members assigned to an eGuide role	Click  > Role Configuration > Modify eGuide Role >  .
Modifying the roles and scopes assigned to a User object	Click  > Role Configuration > Modify Member Association.
Modifying a role's description	Click  > Role Configuration > Modify Description.
Deleting a role	Click  > Role Configuration > Delete Role.
Deleting multiple roles	Click  > Role Configuration > Delete Role > Select Multiple Objects.





## Creating and Editing Tasks

Task	In Novell iManager
Creating a custom iManager task	Click  > Task Configuration > Create iManager Task.
Creating an eGuide task	Click  > Task Configuration > Create eGuide Task.
Modifying the roles assigned to a task	Click  > Task Configuration > Modify Role Assignment.
Modifying a task's description	Click  > Task Configuration > Modify Description.
Deleting a task	Click  > Task Configuration > Delete Task.
Deleting multiple tasks.	Click  > Task Configuration > Delete Task > Select Multiple Objects.

# Creating and Editing Collections

Task	In Novell iManager
Creating a Collection object	Click  > Collection Configuration > Create Collection.
Modifying the list of User objects assigned to a Collection object	Click  > Collection Configuration > Modify Collection Owners.
Modifying the list of Collection objects assigned to a User object.	Click  > Collection Configuration > Modify Owners.
Modifying a Collection object's description	Click  > Collection Configuration > Modify Description.
Deleting a Collection object	Click  > Collection Configuration > Delete Collection.
Deleting multiple Collection objects	Click  > Collection Configuration > Delete Collection > Select Multiple Objects.

# Creating and Editing Modules

Task	In Novell iManager
Creating an RBS Module object	Click  > Module Configuration > Create Module.
Modifying a Module's description	Click  > Module Configuration > Modify Description.
Deleting a module	Click  > Module Configuration > Delete Module.
Deleting multiple modules	Click  > Module Configuration > Delete Module > Select Multiple Objects.



# 7



## Advanced iManager Tasks

### In This Chapter


- ◆ “Setting Up and Installing Plug-ins” on page 45
- ◆ “Configuring Property Books” on page 45
- ◆ “Developing iManager” on page 46






For more detailed information on advanced iManager tasks, see the *Novell iManager 1.5 Administration Guide*.

## Setting Up and Installing Plug-ins



Task	In Novell iManager
Extending the eDirectory™ schema for Role Based Services	Click  > Plug-in Setup and Install > Extend Schema.
Installing a plug-in	Click  > Plug-in Setup and Install > Install Plug-in.

## Configuring Property Books

Task	In Novell iManager
Creating a property book	Click  > Property Book Configuration > Create Property Book.

Task	In Novell iManager
Modifying the pages assigned to a property book	Click  > Property Book Configuration > Modify Page List.
Modifying the roles assigned to a property book	Click  > Property Book Configuration > Modify Role Assignment.
Modifying the object types assigned to a property book	Click  > Property Book Configuration > Modify Object Type.
Modifying a property book description	Click  > Property Book Configuration > Modify Description.
Deleting a property book	Click  > Property Book Configuration > Delete Property Book.

## Developing iManager

Task	In Novell iManager
Building custom tasks and property pages.	Click  > iManager Development > Create iManager Template.
Creating an XML install file	Click  > iManager Development > Create XML Install File.