

Novell exteNd Director Standard Edition

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NPSDUMP UTILITY ADMINISTRATION
GUIDE

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

www.novell.com

NPSDump Utility Administration Guide

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About This Guide

NPSDump is a backup and restore utility for Novell® exteNd™ Director™ Standard Edition directory information.

To see the most current information for Novell exteNd Director, see the *Novell exteNd Director Standard Edition Configuration Guide* (<http://www.novell.com/documentation/lg/nedse41/index.html>).

Documentation Updates

For the most recent version of this documentation, see the *NPSDump Utility Administration Guide* (<http://www.novell.com/documentation/lg/nedse41/index.html>) on the Novell online documentation Web site.

Documentation Conventions

A trademark symbol (®, ™, etc.) denotes a Novell trademark. An asterisk (*) denotes a third-party trademark.

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

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.

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NPSDump Overview

Understanding NPSDump

NPSDump is a backup and restore utility for Novell exteNd Director Standard Edition eDirectory information. You can use NPSDump to do the following tasks:

- ◆ Back up the current configuration of exteNd Director and all related settings
- ◆ Restore previously saved settings
- ◆ Copy an exteNd Director configuration from a staging environment to a production environment
- ◆ Extend schema
- ◆ Generate a report of exteNd Director directory information
- ◆ Reset the exteNd Director password

NPSdump does not copy or move exteNd Director files, style sheets, skins, classes, or .jar files.

NPSDump Features

NPSDump currently supports all the components of exteNd Director—themes, pages, page sets, dynamic groups, modules, and communities. NPSDump creates public users and resets the public user password.

IMPORTANT: You must run the NPSDump that comes with exteNd Director to get the support of all the features. NPSDump is located in the `/nps/webapps/WEB-INF/tools/npsdump` directory.

2 Installing and Setting Up NPSDump

NPSDump Objects

You run NPSDump from the `nps/WEB-INF/tools/npsdump` folder. This is necessary because NPSDump relies on `.jar` files contained in the `nps/WEB-INF/lib` folder. When you install NPSDump, you might need to modify the `npsdump.bat` or the `npsdump.sh` to accommodate your environment.

- 1 From a command prompt, change to the `nps/web-inf/tools/npsdump` folder.
- 2 Edit the `npsdump.bat` or `npsdump.sh` file to ensure the path to every `.jar` file is correct.
- 3 Save the file.
- 4 Create an `NPSDump.properties` file.

You can create this file manually or let NPSDump create it. To have NPSDump create it, enter the following at the command prompt:

```
NPSDump -r "cn=nothing,o=nowhere"
```

NPSDump detects that the `NPSDump.properties` file is missing and creates a new default one.

- 5 Edit the `NPSDump.properties` file and fill in the server, user, and password values as needed.

For more information about these values, see [“NPSDump.properties File” on page 12](#).

NPSDump Objects

NPSDump creates the following objects when you install the utility:

- ◆ Portal
- ◆ Gadgets
- ◆ Modules
- ◆ Portal groups
- ◆ Dynamic groups
- ◆ Pages
- ◆ Themes
- ◆ Pages sets
- ◆ Community Container (if it does not exist)
- ◆ Public (if it does not exist)

NPSDump does not create groups, containers other than the community container, or users other than the public user. If the groups, containers, and users do not exist but are referenced in an NPSDump.zip file, the utility displays an error message and continues processing the objects.

NPSDump.properties File

The NPSDump.properties file specifies the address, username, and password to use when you authenticate to the directory. Because this information is in a file, you do not need to enter all these parameters on the command line.

The following is an explanation of the authentication parameters:

- ◆ **Server** is required and must specify the IP or DNS address of the LDAP server that you use.
- ◆ **Password** is required for every user.
- ◆ **User** is required and must specify the username to use when you authenticate to the directory. The user must have appropriate rights to read or write the portal information in the directory. If you are extending the schema, the user must have write privileges at the top of the directory. These rights are usually administration rights.

The following is an example of an NPSDump.properties file:

```
Server=137.65.151.75
```

```
User=cn=admin,o=corp
```

```
Password=secret
```

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Using NPSDump

NPSDump has five modes of operation:

- ◆ Read
- ◆ Write
- ◆ Report
- ◆ Extend
- ◆ Set Password

Read Mode

The read mode reads all the NPS information from a directory and writes it out to a default file called NPSDump.zip. To use NPSDump in read mode, enter the following command:

```
NPSDUMP -r portalObjectName
```

Replace *portalObjectName* with the full name of the object to be read. For example, `cn=portal,o=corp`. You might need to include quotation marks (") around the portal object name so the command line parser correctly reads the name.

You can specify the following parameters in the NPSDump command:

- ◆ **-f file** specifies the name of the .zip file that is created from the information read in the directory. This defaults to NPSDump.zip.
- ◆ **-p propertiesFile** specifies which properties file to use for server authentication information. This defaults to NPSDump.properties.
- ◆ **-l logOptions** logs messages to a file, standard error, or standard. This file option writes to `npsdump.log`. The log options are `out`, `err`, `file`.
- ◆ **+rw** specifies to include read/write information in the data read.
- ◆ **+ss** specifies to include secret store information in the data read.

NOTE: If you use either the `+rw` or `+ss` option, NPSDump takes longer to run. This is dependant on the number of users that have logged in and have customized their portals.

Write Mode

The write mode writes information from an NPSDump.zip file into the directory.

IMPORTANT: You need to extend the schema of the directory prior to writing out the portal information. Use `npsdump -x` to extend the schema.

To use NPSDump in write mode, enter the following command:

NPSDUMP -w *PortalPassword*

Replace *portalpassword* with the password you use to authenticate the portal to the directory. This password must also be set in the PortalServlet.properties file in the System.Password= setting.

You can specify the following optional parameters.

- ◆ **-f file** specifies the name of the .zip file that will be read for information to be written to the directory. This defaults to NPSDump.zip.

You can use the optional -ffile parameter to specify the name of the .zip file that is read for the information to be written to the portal report file (NPSDump.xml).

- ◆ **-p propertiesFile** specifies which properties file to use for server authentication information. This defaults to NPSDump.properties.

You can specify the optional -p parameter to specify which properties file to use for server authentication information.

- ◆ **-l logOptions** logs messages to a file, standard error, or standard out. This file option writes to npsdump.log. The log options are out, err, file.
- ◆ **+rw** specifies to include read/write configuration information in the data written.
- ◆ **+ss** specifies to include secret store information in the data written.

NOTE: If you use either the +rw or +ss option, NPSDump takes longer to run. This is dependant on the number of users that have logged in and have customized their portals.

Report Mode

The report mode creates an XML file called NPSDump.xml. Open PortalReport.html to view the data formatted in one of several report views. Your browser must support XML parsing. This is generally Internet Explorer 6 or Netscape 6.2 or later.

IMPORTANT: Before you use NPSDump in the report mode, you must first run it in read mode and create an NPSDump.zip file.

To use NPSDump in the report mode, enter the following command:

NPSDUMP -v

You can specify the optional -ffile, which is the name of the .zip file that is to be written to the portal report file (NPSDump.xml). The default is NPSDump.zip.

Extend Mode

The extend mode extends the portal schema in the specified directory.

To use NPSDump in the extend mode, enter the following command.

NPSDUMP -x

You can specify the optional -p parameter to specify which properties file to use for server authentication information.

Set Password Mode

The set password mode sets the password on the portal object you specify. To use npsdump in set password mode, enter the following command:

```
NPSDUMP -sp portalObjectName -pwd portalPassword
```

Replace *portalObjectName* with the full name of the portal object to be read. For example, `cn=portal,o=corp`. You might need to include quotation marks (") around the portal object name so the command line parser correctly reads the name.

Replace *portalPassword* with the password you use to authenticate the portal to the directory. You must also set the password in the PortalServlet.properties file in the System.Password= setting.

You can specify the optional -properties file parameter to specify which properties file to use for server authentication information.

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Viewing the NPSDump.zip File

This chapter explains the information that is in the NPSDump.zip directory.

NPSDump.zip File Types

The NPSDump.zip file contains the following types of files:

- ♦ **.Portal** (only one per NPSDump.zip file) text file that contains the information from the portal object. This file is always named P0.portal.
- ♦ **.Gadget** (only one per gadget object) text file that contains the information from the gadget object. This is always named P0-Gn.gadget. Replace *n* with the gadget number.
- ♦ **.User** (only one per portal user) text file that contains the exteNd Director information from users, groups, and containers. It is always named P0-Un. Replace *n* with the user number. The .user file contains only the portal information from that object; it does not store all other data found on the object.
- ♦ **.pgroup** (one per portal group) text file that contains exteNd Director information from the portal group object.
- ♦ **.community** (one per community) text file that contains exteNd Director information from the community object. This file is always named P0-COMMUNITYn.community. Replace *n* with the community group number.
- ♦ **.dgroup** (one per dynamic group) text file that contains exteNd Director information from the dynamic group object. This is called P0-DGn.dgroup. Replace *n* with the dynamic group number.
- ♦ **.module** (one per module) text file that contains exteNd Director information from the dynamic group object. This is called P0-MODULEn.module. Replace *n* with the dynamic group number.
- ♦ **.page** (one per page) text files that contain exteNd Director information from the page object. This file is always named P0-PAGEn.page. Replace *n* with the page number.
- ♦ **.pageset** text files that contain exteNd Director information from the page set object. They are called P0-PAGESETn.page. Replace *n* with the page set number.
- ♦ **.theme** text file that contains exteNd Director information from the theme object. This file is always named P0-THEMESn.page. Replace *n* with the theme number.
- ♦ **.recordHeader** (one per record found on any of the above-mentioned objects) text file that contains the record header information of a record. They are called P0-*-RO-RECn.recordHeader. Replace *n* with the record header number. The *represents the number of characters that denote the object where the record came from. RO means a read-only record. RO can be replaced by RW for read/write records or SS for secret store records.

- ♦ **.recordData** (one per header file) data contents of the record. Often these are XML files. In the case of secret store records, they are binary information from the secret store.

The NPSDump.zip file contains all the information read from the directory and the information necessary to restore the portal objects and settings into eDirectory™.

Editing the NPSDump.zip File

You can edit the NPSDump.zip file, but use caution if you do make changes. If you change the name of an object or a container, you need to change the records (files in NPSDump.zip) that reference those objects.

Restoring NPSDump Data

You do not need to restore NPSDump data to the same directory it came from. However, the same container structure, users, and groups need to exist unless you made changes to the NPSDump.zip after it was created. Simply change the NPSDump.properties file to authenticate to a different server.