

Release Notes



IBM® Tivoli® Identity Manager Novell Netware Adapter

Version 4.6.14

Tenth Edition (June 14, 2010)

This edition applies to version 4.6 of this Adapter and to all subsequent releases and modifications until otherwise indicated in new editions.

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Preface

Welcome to the IBM Tivoli Identity Manager Novell Netware Adapter.

These Release Notes contain information for the following products that was not available when the IBM Tivoli Identity Manager manuals were printed:

- IBM Tivoli Identity Manager Novell Netware Adapter Configuration and Installation Guide

Adapter Features and Purpose

The Novell Netware Adapter is designed to create and manage Novell NDS/eDirectory accounts within a single domain.

IBM recommends the installation of this Adapter on a Windows 2000, Windows 2003 or XP workstation within the domain being managed. Typically, one adapter is installed per domain, but the Novell Adapter may be configured to support both sub-domains. The optimum deployment configuration is based, in part, on the topology of your Novell domain, but the primary factor is the planned structure of your Identity Manager Provisioning Policies and Approval Workflow process. Please refer to the Identity Manager Policy, Organization & Administration Guide for a discussion of these topics.

The Novell Netware Adapter is a powerful tool that requires Administrator Level authority. The Adapter operates much like a human system administrator, creating accounts, assigning groups, and creating Home Directories. Operations requested from the Identity Manager server will fail if the Adapter is not given sufficient authority to perform the requested task. IBM recommends that this Adapter run with administrative permissions.

Contents of this Release

Adapter Version

Component	March 31, 2008
Release Date	June 14, 2010
Adapter Version	4.6.14 (build 4.6.1014)
Comm. Libraries	ADK v4.803
Documentation	Novell Netware Installation and Configuration Guide v4.6.0 SC32-1158-05

New Features

Enhancement # (FITS)	Description
	Items included in current release
	None
	Items included in release 4.6.8
MR0329074537	Novell Adapter will reset user's "account locked" status when resetting a password.
	Items included in release 4.6.7
MR0316063436	Novell NDS: support the use of NDS templates while provisioning See "Account Creation Using Templates" below. NOTE: A new Profile is included with this release and must be installed.
	Items included in release 4.6.6
MR0510061229	Novell NDS: Support quota size for home directory of user. NOTE: A new Profile is included with this release and must be installed.
	Items included in release 4.6.4
MR060605264	Novell NDS: Customer needs support for Novell Clusters
MR0630055149	Novell NDS: agent support for Netware Cluster
	Items included in release 4.6.0
	Adapter updated for ITIM 4.6.0

Closed Issues

DevTrack	APAR#	PMR# / Description
		Items closed in current version
	IZ74980	63731,122,000 Netware accounts with a 'ERUID' value containing 29 or more characters are not handled properly by the adapter during recon.
		Items closed in 4.6.13 version
	IZ35671	52773,SGC,724 NetWare Adapter does not handle umlauts in password. NOTE: Limitations exist. See additional information under topic "Special Characters in Passwords" in the Know Limitation section of this document.
		Items closed in 4.6.12 version
	IZ18039	06533,442,000 Account creation fails when User Template is specified. Error occurs on ERNETWLOGINALLOWEDTIMEMAP attribute.
		Items closed in 4.6.11 version
31867	N/A	Internal NDS bool attributes are not updated in Event Notification DB which creates wrong request to ITIM.
	IZ14900	09114,379,000 Novell adapter incorrectly handles ernetwloginallowedtimemap. See notes on "Login Allowed Time Map" in the Configuration Notes section of this document.
	IZ17017	24004,379,000 Novell Adapter changes timezone while in middle of a transaction See notes on "Login Allowed Time Map" in the Configuration Notes section of this document.

DevTrack	APAR#	PMR# / Description
		Items closed in 4.6.10 version
N/A	IZ11287	<p>44202,442,000 Warning message displayed when creating Home Directory via the Novell Adapter.</p> <p>NOTE: this version of the adapter no longer uses the xform.xml in the adapter data directory. Please ensure that any old xforms.xml file is removed before running this adapter version.</p> <p>NOTE: the profile has changed in this version of the adapter. Please ensure that the profile shipped with this adapter is installed.</p> <p>NOTE: there are changes to the configuration of extended attribute support. Please see the Configuration Section for more details.</p>
		Items closed in version 4.6.9
N/A	IZ01598	<p>24324,7TD,000 Novell NDS adapter always tries to create the home directory even if the attribute is not present.</p>
C27938	N/A	<p>N/A Novell NDS adapter could not modify home dir attr and container.</p>
		Items closed in version 4.6.7
N/A	N/A	<p>24235,000,000 Netware agent fails to connect to NDS server.</p>
		Items closed in version 4.6.7
S17431	IY85998	<p>71401,379,000 Unable to delete home directories for user due to limited number of temporary directory handles.</p> <p>NOTE: A new Profile is included with this release and must be installed.</p>

DevTrack	APAR#	PMR# / Description
		Items closed in version 4.6.4
S17331	IY84588	05544,500,000 Unable to delete home directories on remote server in Novell if the adapter is running as a service.
S17342	IY84892	09043,500,000 NDS agent will not create a users home directory.
S17347	IY84968	55099,689,864 PasswordExpirationTime not sent with Change password and restore request.
		Items closed in version 4.6.4
S17061	IY78632	43050,999,000 ITIM Dates not formatted correctly. Time zone offset not accurate.
		Items closed in version 4.6.3
S16935	IY76726	25481,227,000 Recon transaction does not report a failure if NDS Error 34851 occurs. Recon may not return all accounts.
		Items closed in version 4.6.2
S16663	n/a	n/a NDS Agent reports failure when Home dir. volume and HomeDir. path are set to Empty in MODIFY request.
S16664	n/a	n/a NDS agent does not work correctly, while moving a user from one container to another.
		Items closed in version 4.6.1
S16612	IY73583	24432,255,631 ISMP for Novell Agent install exits without displaying an error when attempting to upgrade agent.
S16526	IY72914	80391,227,000 Setting the "never" value for ernetwloginexpirationtime on NDS account form does not unset the account expiration on the NDS account.

DevTrack	APAR#	PMR# / Description
		Items closed in version 4.6.0
n/a	n/a	81749, 300, 624 RECON contains duplicate entry for Group Attribute. Agent modified to work around a bug in the Novell client where duplicate group entried may be returned.
S15382	IY69822	47247,227,000 Dates not formatted correctly on Netware agent. Agent is not checking the time zone offset of the server on which it is installed.
n/a	n/a	44416,999,706 Agent fails when trying to delete user created on cluster Novell servers. NOTE: Novell Clusters are NOT supported in this release. This change makes the agent tolerant of the presence of a cluster.

Known Issues

DevTrack	APAR#	PMR# / Description
		NOTE: this adapter support only Time Zones on the Hour and Half-Hour. Time Zones such as Nepal (GMT +5:45) and others on the 15 and 45 minute boundaries are not supported.
		Special Characters in Passwords NOTE: Restore operation does not support setting passwords with umlaut, or other characters. WorkAround : Restore will be two step process, (1) Perform Restore. (2) Perform Password Change again with umlaut characters.

Installation and Configuration Notes

See the IBM Tivoli Identity Manager Novell Netware Adapter Installation Guide for detailed instructions.

Corrections to Installation Guide

The following corrections to the Installation Guide apply to this release:

NOTE: A new Profile is included with this release and must be installed.

NOTE: The adapter is build with upgraded Novell Development kit and will need following DLLs with their respective version. These should already be present after installing the Novell client. No additional action should be required. The DLLs and versions are listed for documentation purposes only.

calwin32.dll	5.5.8.0
clxwin32.dll	5.5.8.0
locwin32.dll	5.5.8.0
netwin32.dll	5.5.8.0

(Above files can be located in windows\system32 folder and version can be verified by right-clicking and selecting properties for the dll file) If these files are not present on your server, please upgrade to latest version of Novell client.

Configuration Notes

The following corrections to the Installation Guide apply to this release:

Configuration of Adapter Version v4.6.10

NOTE: this version of the adapter no longer uses the xform.xml in the adapter data directory. Please ensure that any old xforms.xml file is removed before running this adapter version.

NOTE: the profile has changed in this version of the adapter. Please ensure that the profile shipped with this adapter is installed.

The steps to configure custom attributes (schema extentions) have changed. The following changes are needed in the Steps to add Custom attribute to Netware Agent:

- a) In CustomAttributes.xml, the "RemoteName" value should be same as the attribute name in schema.dsml
- b) In xforms.xml on ITIM side, if any entry needs to be mentioned for this attribute(to use some flags), then also the "RemoteName" value should be same as the attribute name in schema.dsml.

Account Creation using Templates

The ITIM Novell NDS adapter now supports the use of templates when creating accounts. The following changes are included in this release:

1. The NDS Account Form contains a new attribute called "User Template". This attribute may be specified only on an Add transaction.
2. During a Reconciliation, the adapter will bring back only those templates that exist under the Novell context specified on the ITIM Service Form.

3. The template values will be displayed on the ITIM Account Form as a search list for User Template attribute.
4. Template object on Novell NDS has several attributes applicable to NDS users that are not supported by ITIM. The adapter will process only those template attributes that are supported by the adapter. Please refer to Appendix A of the *Adapter Installation and Customization Guide* for a list of these attributes.
5. If an attribute value is specified both on in the Novell template and on the ITIM Account Form, preference will be given to the value specified on ITIM and the template attribute value will be ignored.

NOTE: Home directory permissions are supported by both the adapter as well as present in template. In this release of the adapter, only one method may be configured for use. If the Home Directory permission attributes are present on the Account Form, they will override the permissions in the template. If your site prefers to use the default permissions in the template, please remove the Home Directory permissions from the account form using the ITIM Form Designer applet.

Login Allowed Time Map

The login allowed time map requires specially handling in TIM. The attribute is a series of checkboxes and, therefore, TIM performs no time zone conversions. In brief, the rule is as follows:

The times specified on the TimeMap UI reflect the time zone of the server on which the adapter is installed.

Internally, the Novell adapter uses its time zone (the server it runs on) to convert the time specified on the TIM TimeMap into GMT. The API calls to Novell then use these GMT values to set the allowed login times. When viewing the times from within Novell's Console One, the times are converted into the time zone of the person using Console One.

Example:

	TIM Server	NDS Adapter	NDS Server	NDS Console One
Time Zone	(GMT - 08:00) Pacific Time (PST)	(GMT - 08:00) Pacific Time (PST)	(GMT - 08:00) Pacific Time (PST)	(GMT - 08:00) Pacific Time (PST)
Time Map bit set for specified time duration	Value entered from TIM UI as: 04:00 to 04:30 AM (Monday)	Receives as: 04:00 to 04:30 AM (Monday) Converts to GMT as: 12:00 to 12:30 PM (Monday)	Set on NDS Server as: 12:00 to 12:30 PM (Monday)	Viewed from Console One as: 04:00 to 04:30 AM (Monday)

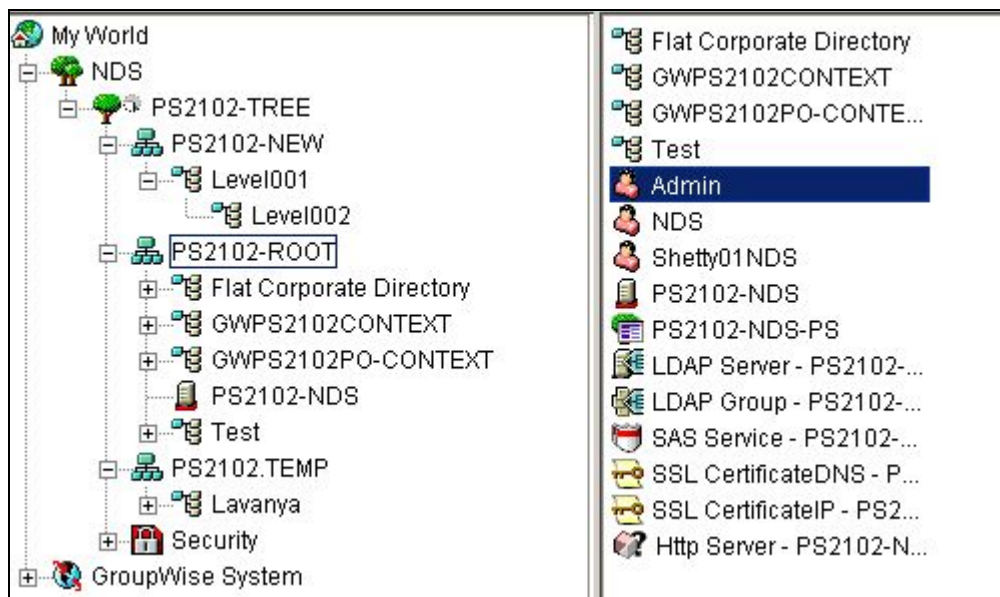
Configuring the Adapter for use with Novell Clusters

The NDS Agent Service form has the following required parameters:

1. **NDS Server**
Specify the name of the NDS server that this service will manage. In case of Cluster setup, specify the name of the virtual server, which is also called NCP Server.
2. **NDS Tree**
Specify the name of the NDS tree for the specified NDS Server.
3. **NDS Context**
Specify the name of the NDS container that is under the specified NDS Tree. This NDS Service will manage all the users present under this NDS container.
4. **NDS Username**
Specify the name of the NDS user ID that the adapter will use to connect to the NDS server.
5. **NDS Password**
Specify the password for the NDS user ID.

Consider the following NDS tree structure.

The highlighted user “Admin” and “PS2102-NDS” server is present under “PS2102-ROOT” context.



The above NDS tree PS2102-TREE contains the following organizations:

1. PS2102-NEW
2. PS2102-ROOT
3. PS2102-TEMP

Format for specifying NDS Server name:

1. If the NDS Server (PS2102-NDS) is present under the specified NDS Context (PS2102-ROOT), then the NDS Server name must be specified in this format:
<NDSServerName>
Example: PS2102-NDS
2. If the NDS Server (PS2102-NDS) is not present under the specified NDS Context (PS2102-NEW), then the NDS Server name must be specified in this format:
.<NDS Servername>.<ContainerName>
Example: .PS2102-NDS.PS2102-ROOT
Where ContainerName is the full path of the container, which contains the NDS Server.

NOTE: In case of NDS Cluster setup, specify the name of the volume of the cluster, which is the NCP Server Object name for the NDS Server parameter.

Format for specifying NDS Username:

1. If the NDS Username is present under the specified NDS Context, then the NDS Username must be specified in this format:
<NDSUserName>
2. If the NDS Username is not present under the specified NDS Context, then the NDS Username must be specified in this format:
.<NDS Username>.<ContainerName>
Where ContainerName is the full path of the container, which contains the NDS Username.

NOTE: Basically, the values of parameters specified on Service form depends upon the specified Context and its relationship with other objects.

Examples for specifying the appropriate values for NDS Service form parameters:

Case 1:

Suppose you want to manage all users present under PS2102-ROOT Organization, the Service form parameters will be:

NDS Server	PS2102-NDS	Because it is directly present under specified context
NDS Tree	PS2102-TREE	
NDS Context	PS2102-ROOT	Users present under this Container object gets RECONed
NDS Username	Admin	Because it is directly present under specified context
NDS Password	*****	As applicable

Case 2:

Suppose you want to manage all users present under Level002.Level001.PS2102-New container object, and then the Service form parameters will be:

NDS Server	.PS2102-NDS.PS2102-ROOT	Note the "." at the start. Full path needs to be specified because the Server PS2102-NDS is present under a different container object
------------	-------------------------	--

		Ps2102-ROOT, instead of Level002.Level001.PS2102-New
NDS Tree	PS2102-TREE	
NDS Context	Level002.Level001.PS2102-New	Users present under this Container object gets RECONed
NDS Username	.Admin.PS2102-ROOT	Note the "." at the start. Also, the full path needs to be specified because user Admin is not present under specified context Level002.Level001.PS2102-New
NDS Password	*****	As applicable

Case 3:

Suppose you want to manage all users present under Test.PS2102-ROOT container object, and then the Service form parameters will be:

NDS Server	.PS2102-NDS.PS2102-ROOT	Note the "." at the start. Full path needs to be specified because the Server PS2102-NDS is present under a different container object PS2102-ROOT, instead of Test.PS2102-ROOT
NDS Tree	PS2102-TREE	
NDS Context	Test.PS2102-ROOT	Users present under this Container object gets RECONed
NDS Username	.Admin.PS2102-ROOT	Note the "." at the start. Also, the full path needs to be specified because user Admin is not present under specified context Test.PS2102-ROOT
NDS Password	*****	As applicable

Supported Configurations

Installation Platform

The IBM Tivoli Identity Manager Adapter was built and tested on the following product versions.

Adapter Installation Platform:

- Windows 2000 Server or Workstation
- Windows XP Workstation
- Windows 2003 Server

Managed Resource:

- Novell Netware NDS/eDirectory version 8.7
- with --
- Novell Netware Client software version 6

IBM Tivoli Identity Manager:

- ITIM 4.6.0 or later

IMPORTANT NOTE:

- Special configuration is required to support creation of Home Directories on Novell NDS File Server Clusters.

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