

Readme - Beta 3

Novell[®] Open Enterprise Server

2 SP2

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About This Readme

The information in this Readme applies to Novell® Open Enterprise Server (OES) 2 SP2 Beta 3 and contains the following sections:

- ♦ “Frequently Asked Questions” on page 11
- ♦ “What’s New” on page 13
- ♦ “Getting Started with OES 2 SP2” on page 19
- ♦ “Service Issues” on page 21
- ♦ “Migration Tool Issues” on page 31
- ♦ “Domain Services for Windows Issues” on page 35
- ♦ “Caveats” on page 39

Frequently Asked Questions

1

Where's NetWare?

Novell® Open Enterprise Server 2 SP2 does not include NetWare®. Anyone who wants to test NetWare in an OES 2 SP2 environment should download NetWare 6.5 SP8 from the Novell download site.

What's New

2

This section summarizes the new features introduced in each of the Novell® Open Enterprise Server (OES) 2 SP2 Beta releases.

- ♦ [Section 2.1, “New in Beta 3,” on page 13](#)
- ♦ [Section 2.2, “New in Beta 2,” on page 13](#)
- ♦ [Section 2.3, “New in Beta 1,” on page 16](#)

2.1 New in Beta 3

The following services have new features introduced in Beta 3.

2.2 New in Beta 2

The following services have new features introduced in Beta 2:

- ♦ [Section 2.2.1, “AFP,” on page 13](#)
- ♦ [Section 2.2.2, “CIFS,” on page 13](#)
- ♦ [Section 2.2.3, “DNS/DHCP,” on page 14](#)
- ♦ [Section 2.2.4, “Domain Services for Windows \(DSfW\),” on page 14](#)
- ♦ [Section 2.2.5, “iFolder,” on page 14](#)
- ♦ [Section 2.2.6, “iPrint,” on page 14](#)
- ♦ [Section 2.2.7, “Linux User Management,” on page 15](#)
- ♦ [Section 2.2.8, “Migration Tool,” on page 15](#)
- ♦ [Section 2.2.9, “Novell Cluster Services,” on page 15](#)
- ♦ [Section 2.2.10, “Novell Storage Services,” on page 15](#)
- ♦ [Section 2.2.11, “General,” on page 16](#)

2.2.1 AFP

- ♦ AFP service discovery by network Mac* clients using the Bonjour* protocol
- ♦ Cross-protocol file locking support for Novell AFP users who access Novell Storage Services (NSS) volumes
- ♦ Lower CPU utilization
- ♦ Bonjour support for Mac OS 10.5

2.2.2 CIFS

- ♦ Cross-protocol file locking support
- ♦ Distributed File Services (DFS) support
- ♦ 10% performance improvement

2.2.3 DNS/DHCP

- ◆ The Java* Console Management Utility is now supported on Linux*.

2.2.4 Domain Services for Windows (DSfW)

- ◆ “Install Changes” on page 14
- ◆ “Beta 2 Testing Scope” on page 14

Install Changes

Beta 2 features a new DSfW install.

Installation and configuration are now handled in a two-step process:

- ◆ A YaST install that prepares the server and the tree for Domain users. This part of the process features restructured installation screens.
- ◆ A Provisioning GUI, which is a separate utility that configures the DSfW server and supporting services, and completes the installation process.

Beta 2 Testing Scope

For this release, Novell recommends testing Domain Controllers (FRD) and Child Domain Controllers. Additional Domain Controllers (ADC) are not ready to be tested in Beta 2.

When installing DSfW in an existing eDirectory™ tree setup, map only OU units to domains. Other mappings are not supported in Beta 2.

2.2.5 iFolder

- ◆ Novell iFolder® server integration with Active Directory* that automates admin and proxy user creation

2.2.6 iPrint

- ◆ Auto driver/profile update
- ◆ Bi-directional driver profiles¹
This is available only with HP* and Xerox* drivers and is intended for evaluation purposes only. Your feedback is welcome.
- ◆ Client support for Windows* 7
- ◆ Client for SUSE® Linux Enterprise Desktop (SLED) 11
- ◆ Banner support for iPrint Direct
- ◆ Scripted support for ZENworks® 7 and ZENworks Configuration Management 10 iPrint policies after migrating the server to OES 2 SP1.1
- ◆ The Linux and Macintosh* iPrint clients now support the following:
 - ◆ Auto-removal of printers on clients if they are removed from the server.¹

- ♦ Printer redirection.¹
- ♦ Automatic driver updates.¹

¹Indicates features that have received only basic testing and are expected to be hardened in a future Beta release.

2.2.7 Linux User Management

- ♦ Allow named to cache updates only

2.2.8 Migration Tool

File System Migrations

- ♦ Migration of non-English directories and trustees
- ♦ Uninterrupted migration for cluster volumes

2.2.9 Novell Cluster Services

- ♦ MPK Removal

2.2.10 Novell Storage Services

- ♦ “NSS Management Enhancements” on page 15
- ♦ “NSS Utility Enhancements” on page 15
- ♦ “RAID 0+1 and RAID 5+1 Support” on page 16

NSS Management Enhancements

NSSMU has improved response in multi-disk environments

NSSMU and iManager can take an extremely long time to list devices and do various other things when the server has multiple devices. This is because of how information is read from EVMS.

To address this, the management code has been modified to support multiple devices. The NSS management pieces can now use a single request to get the needed information about multiple devices, thus avoiding multiple `evms_open_engine()` calls.

NSS Utility Enhancements

The enhancements included with Beta 2 are:

- ♦ The `attrib` and `rights` commands now have an option to work with link files.
- ♦ NSSComp now includes an NSS compression screen for OES 2 Linux
- ♦ There is now an `nss` command on OES 2 Linux
- ♦ The NSS utility can now monitor compression statistics for a volume)
- ♦ The `mirror status` command is now available on OES 2 Linux.

- ◆ Additional options are now available in NSSCON for quitting, displaying the next line of information, etc. and these are also listed in the ? help.
- ◆ A new `quota` utility is included for setting user and directory quotas.

RAID 0+1 and RAID 5+1 Support

Support for RAID 0+1 and RAID 5+1 has been added in Beta 2.

2.2.11 General

- ◆ No performance decrease in AFP, CIFS, NCP™, or NSS
- ◆ Cross-protocol locking (CIFS, AFP, NCP)

2.3 New in Beta 1

The following new services were introduced in Beta 1:

- ◆ [Section 2.3.1, “AFP,” on page 16](#)
- ◆ [Section 2.3.2, “CIFS,” on page 17](#)
- ◆ [Section 2.3.3, “DNS,” on page 17](#)
- ◆ [Section 2.3.4, “iFolder,” on page 17](#)
- ◆ [Section 2.3.5, “iPrint,” on page 17](#)
- ◆ [Section 2.3.6, “Migration,” on page 18](#)

2.3.1 AFP

- ◆ **Dynamic Volume Event Detection:** The AFP server now dynamically detects volume add/mount events, volume delete/umount events, and volume updates on the OES 2 server.
A reload is not required when there is a change in the list of volumes mounted on the server.
- ◆ **New Configuration Option:** `EXPORT_ALL_VOLUMES` is now a valid option in the `afptcpd.conf` file.
 - ◆ If the option is set to `yes` (the default), the AFP Server uses all of the available volumes on the machine.
 - ◆ If the option is set to `no`, only the volumes listed in the `afpvols.conf` file are exported by the AFP Server.
- ◆ **afpvols.conf Changes:** This file now acts as a resource for alias names and for the list of volumes to be used.
- ◆ **Cluster Enabled Volumes Display:** When a Mac client connects to the physical IP assigned to the AFP server, the local volumes and the cluster-enabled shared volumes are exported to the client. However, if the client connects to the cluster (virtual) IP, only the cluster-enabled shared volumes associated with the cluster IP are exported.
- ◆ **Alternate Guest Account Name:** This capability removes the restriction to have one preconfigured guest account. With OES2 SP2, any valid eDirectory™ user account name with appropriate privileges can be specified as a guest account name.

- ♦ **Cross-Protocol Lock Configuration Management Change:** Cross-protocol lock configuration is now managed centrally in the `ncpserv.conf` configuration file.

2.3.2 CIFS

- ♦ CIFS now supports cross protocol locking of the Share mode and byte range locks with AFP and NCP.

To enable cross-protocol locking, enter the following at a terminal prompt:

```
# ncpcon set "CROSS_PROTOCOL_LOCKS=1"
```

To disable cross-protocol locking, enter the following at a terminal prompt:

```
# ncpcon set "CROSS_PROTOCOL_LOCKS=0"
```

To see if cross-protocol locking is enabled or disabled, enter the following at a terminal prompt:

```
# ncpcon set
```

- ♦ Listing more than 255 shares from the Windows client is now supported.

2.3.3 DNS

- ♦ **Deletion of Empty Resource Records(RRs):** `dns-maint -d` is an option in the DNS maintenance utility that lets you delete the empty Resource Records of zones in eDirectory tree. You can delete the empty RRs of a list of zones by specifying a command line parameter or by using a zone list in the locator object.
- ♦ **New parameter:** `<Credential storage (0->file, 1->CASA)>` is now included in the DNS install and maintenance utility for selecting CASA or a file as the credential store.

2.3.4 iFolder

- ♦ iFolder™ client support is included for OpenSUSE® 11.1 and SUSE Linux Enterprise Desktop (SLED) 11
- ♦ The Novell iFolder 3.7 enterprise server supports iFolder clients for both OpenSUSE 11.1 and SLED 11.
- ♦ A 64-bit version of the iFolder client is available for Vista 64. This includes:
 - ♦ A new 64-bit install
 - ♦ A new 64-bit Flaim database
 - ♦ New iFolder binaries in 64-bit
- ♦ Reverting an iFolder now uses the same dialog box that is used by the iFolder main window. It has *Delete from server* enabled.
- ♦ iFolder client startup performance has been enhanced. The iFolder client now starts much more quickly.

2.3.5 iPrint

- ♦ Print Gateway enhancements

2.3.6 Migration

File System

- ◆ Cluster volumes are migrated through file system command line utilities. To migrate the cluster volumes, specify the cluster resource IP in the `mls`, `migfiles`, `maptrustees`, and `migtrustees` commands. The volumes are available even if the resource fails over.

Overall Migration

- ◆ Auto-refresh for log messages is enabled while migration or synchronization is in progress. You can also click the *Refresh* button for viewing the offline log messages.
- ◆ In the Migration Tool GUI > *Services to Migrate*, the *Status* field is updated with the status and last executed date and time of the migration or the sync activity.
- ◆ Hot keys are available for accessing the Migration GUI.

Getting Started with OES 2 SP2

3

The information in this section helps you get started with Novell® Open Enterprise Server (OES) 2 SP2.

- ♦ [Section 3.1, “Installing OES 2 SP2,” on page 19](#)
- ♦ [Section 3.2, “Installing the DNS/DHCP Java Console,” on page 20](#)
- ♦ [Section 3.3, “Documentation,” on page 20](#)

3.1 Installing OES 2 SP2

NOTE: For installation issues, see the section for the platform you are installing.

- ♦ [Section 3.1.1, “Minimum 256 Colors Required,” on page 19](#)
- ♦ [Section 3.1.2, “Before Installing a Migration Target Server,” on page 19](#)
- ♦ [Section 3.1.3, “Installation Instructions,” on page 19](#)
- ♦ [Section 3.1.4, “64-Bit eDirectory,” on page 19](#)
- ♦ [Section 3.1.5, “64-Bit NCP Server,” on page 19](#)

3.1.1 Minimum 256 Colors Required

A minimum color depth of 8 bits (256 colors) is required by your video card and driver setting to run the installations properly. On NetWare®, the video card must also be VESA-compliant.

3.1.2 Before Installing a Migration Target Server

Before you install or prepare any migration target servers, be sure to read the information and directions in [Section 5.1, “ID Transfer Migration Requires a Pre-Migration Server,” on page 31](#).

3.1.3 Installation Instructions

Hardware and installation requirements remain unchanged from OES 2. See the [OES 2 online documentation \(http://www.novell.com/documentation/oes2/install-update-upgrade.html#instl-oes\)](http://www.novell.com/documentation/oes2/install-update-upgrade.html#instl-oes).

3.1.4 64-Bit eDirectory

Selecting *Novell eDirectory* when using OES 2 SP2 64-bit media automatically installs 64-bit eDirectory™. OES 2 SP2 32-bit media installs 32-bit eDirectory.

3.1.5 64-Bit NCP Server

Selecting *NCP Server* when using OES 2 SP2 64-bit media, automatically installs 64-bit NCP™ server. OES 2 SP2 32-bit media installs 32-bit NCP server.

3.2 Installing the DNS/DHCP Java Console

- ♦ [Section 3.2.1, “Installing the Java Console on Windows,” on page 20](#)
- ♦ [Section 3.2.2, “Installing the Java Console on Linux,” on page 20](#)

3.2.1 Installing the Java Console on Windows

- 1 Download the Java Console for your Windows platform (32-bit or 64-bit) from the OES 2 Welcome Page (https://server_IP_address/welcome/manage.html).

The filename for 32-bit windows is `DNSDHCP_SA.zip`; for 64-bit windows it is `DNSDHCP_SA-x64.zip`.

- 2 Extract or unzip the file.
- 3 Run `setup.exe` from the extracted files and follow the prompts to complete the setup.

3.2.2 Installing the Java Console on Linux

- 1 Download the Java Console for the Linux platform (32-bit or 64-bit) from the OES 2 Welcome Page (https://server_IP_address/welcome/manage.html).

The tar filename for 32-bit Linux is `dnsdhcp-jc-i586.tar.gz` and for 64-bit Linux it is `dnsdhcp-jc-x86_64.tar.gz`.

- 2 Untar the file for your platform by using `tar -xzf filename`.

The RPM for your platform is untarred. The 32-bit RPM is `novell-dnsdhcp-jc-1.0.0-1.i586.rpm`; the 64-bit RPM is `novell-dnsdhcp-jc-1.0.0-1.x86_64.rpm`.

- 3 Install Java Console by using `rpm -ivh rpm name`.

3.3 Documentation

This Readme lists the issues specific to the OES 2 SP2 release.

For all other OES 2 documentation, see the [OES 2 SP1 documentation on the Web \(http://www.novell.com/documentation/oes2\)](http://www.novell.com/documentation/oes2).

Service Issues

4

This section contains most of the issues for Novell® Open Enterprise Server (OES) 2 Linux. The remaining issues are documented in [Chapter 5, “Migration Tool Issues,”](#) on page 31 and [Chapter 6, “Domain Services for Windows Issues,”](#) on page 35.

Caveats are documented in [Chapter 7, “Caveats,”](#) on page 39.

- ◆ [Section 4.1, “Installation/Upgrade Issues,”](#) on page 21
- ◆ [Section 4.2, “Apple Filing Protocol \(AFP\) Issues,”](#) on page 24
- ◆ [Section 4.3, “CIFS Issues,”](#) on page 24
- ◆ [Section 4.4, “Distributed File Services \(DFS\) Issues,”](#) on page 25
- ◆ [Section 4.5, “DNS/DHCP Issues,”](#) on page 26
- ◆ [Section 4.6, “eDirectory Issues,”](#) on page 27
- ◆ [Section 4.7, “iFolder Issues,”](#) on page 27
- ◆ [Section 4.8, “iPrint Issues,”](#) on page 27
- ◆ [Section 4.9, “NSS Issues,”](#) on page 28
- ◆ [Section 4.10, “Samba Issues,”](#) on page 29
- ◆ [Section 4.11, “Security Issues,”](#) on page 29
- ◆ [Section 4.12, “Storage Management System \(SMS\) Issues,”](#) on page 30
- ◆ [Section 4.13, “Xen Virtualization Issues,”](#) on page 30

4.1 Installation/Upgrade Issues

- ◆ [Section 4.1.1, “Apply the Latest Patches Before Upgrading,”](#) on page 21
- ◆ [Section 4.1.2, “Do Not Upgrade to eDirectory 8.8 Separately,”](#) on page 22
- ◆ [Section 4.1.3, “If Apache Fails to Start After You Upgrade QuickFinder,”](#) on page 22
- ◆ [Section 4.1.4, “Incompatible TLS Configurations Give No Warning,”](#) on page 22
- ◆ [Section 4.1.5, “Installing from the IPP Page Fails After Upgrading,”](#) on page 22
- ◆ [Section 4.1.6, “Storage-Related Plug-Ins Must Be Uninstalled,”](#) on page 23
- ◆ [Section 4.1.7, “Upgrading a 64-Bit Installation Breaks Some Novell Products,”](#) on page 23

Also see [Section 7.5, “Installation and Upgrade,”](#) on page 42.

4.1.1 Apply the Latest Patches Before Upgrading

Before you can upgrade an OES 1 Linux or OES 2 Linux server to OES 2 SP2 Linux, ensure that you have patched the server to the latest patch level and that the server and OES services are running as desired.

You should also ensure that you meet the other upgrade requirements. For more information, see [“Updating an OES 2 SP1 Linux Server”](#) in the *OES2 SP1: Linux Installation Guide*.

4.1.2 Do Not Upgrade to eDirectory 8.8 Separately

If you are running OES 1 SP2, do not upgrade to eDirectory™ 8.8 independently of upgrading to OES 2 SP2.

For example, do not upgrade from eDirectory 8.7.3 to eDirectory 8.8.2 through the oes-edir88 patch channel prior to upgrading to OES 2 SP2. Doing so causes configuration problems that the OES 2 SP2 install is not designed to handle.

<Novell has no current plans to change this.>

4.1.3 If Apache Fails to Start After You Upgrade QuickFinder

If you installed QuickFinder Server as part of the original OES 1 release, the RPM isn't upgraded properly and Apache* fails to start.

<Novell has no current plans to change this.>

The workaround is to manually update the quickfinder-server RPM after the upgrade by entering the following commands at a terminal prompt after upgrading to OES 2 SP2:

```
rug install quickfinder-server
```

```
rcapache2 restart
```

4.1.4 Incompatible TLS Configurations Give No Warning

When you install a new eDirectory tree, the eDirectory Configuration - New or Existing Tree screen has the *Require TLS for Simple Binds with Password* option selected by default. If you keep this configuration setting, the eDirectory LDAP server requires that all communications come through the secure LDAP port that you specified on the eDirectory Configuration - Local Server Configuration screen. By default, this is port 636.

Unfortunately, the OES install doesn't display a warning if you subsequently configure OES services to use non-TLS (non-secure) LDAP communications (port 389). The installation proceeds normally but the service configuration fails.

For example, if you accept the TLS default, then configure Novell DHCP to use non-secure communications (by deselecting the *Use secure channel for configuration* option), the OES install doesn't warn that you have created an incompatible configuration.

After eDirectory and the iManager plug-ins install successfully, the Novell DHCP configuration fails. You must then use iManager to change either the LDAP server configuration or the Novell DHCP configuration to support your preferred communication protocol.

Simply enabling non-TLS LDAP communications doesn't disable TLS. It merely adds support for non-secure communications with the LDAP server.

Novell has no current plans to change this.

4.1.5 Installing from the IPP Page Fails After Upgrading

After upgrading a server from OES 1 SP2 to OES 2 SP2, attempting to install printers from the IPP page results in errors, such as `error 1345` and `error 1285`.

To resolve the issues based on the errors shown, see the following TIDs:

- ♦ 3484700 (http://www.novell.com/support/search.do?cmd=displayKC&sliceId=SAL_Public&externalId=3484700)
- ♦ 3790999 (http://www.novell.com/support/search.do?cmd=displayKC&sliceId=SAL_Public&externalId=3790999)

<Novell has no current plans to change this.>

4.1.6 Storage-Related Plug-Ins Must Be Uninstalled

After upgrading to OES 2 SP2 Linux, you must uninstall all of the old storage-related plug-ins for iManager, then install the new ones for iManager 2.7.2. The storage-related plug-ins are available on the installation media.

In OES 2 for Linux and NetWare[®], the Novell Distributed File Services and Native File Access Protocols (AFP and CIFS) for NetWare were delivered in the NSS Management plug-in (`nssmgmt.npm`). In OES 2 SP2, these roles are delivered separately in their own NPM files.

Distributed File Services is now delivered as `dfsmgmt.npm`.

The Native File Access Protocols for NetWare service has been replaced by Novell AFP (`afpmgmt.npm`) and Novell CIFS (`cifsmgmt.npm`). In OES 2 SP2, the Novell AFP and Novell CIFS plug-ins support AFP and CIFS services for NSS volumes on both Linux and NetWare.

These new plug-ins also require the NSS Management (`nssmgmt.npm`) and Storage Management (`storagemgmt.npm`) plug-ins. Other storage-related plug-ins include Archive Versioning (`arkmgmt.npm`) and Cluster Services (`ncsmgmt.npm`). All storage-related plug-ins share code in common with the Storage Management plug-in.

You must uninstall the existing storage-related plug-ins, then install the new plug-ins at the same time to make sure that the common code works for all plug-ins.

<Novell has no current plans to change this.>

4.1.7 Upgrading a 64-Bit Installation Breaks Some Novell Products

All versions of the following Novell products run only with 32-bit eDirectory and cannot run on 64-bit OES Linux after upgrading to OES 2 SP2:

- ♦ Novell Identity Manager
- ♦ Novell Access Manager
- ♦ Novell SecureLogin

When you upgrade an installation of 64-bit OES 2 to OES 2 SP2, the 32-bit installation of eDirectory that was installed with 64-bit OES 2, is upgrade to 64-bit eDirectory 8.8.

Until Novell releases a 64-bit version of the products listed above, you cannot run them on a 64-bit OES 2 SP2 server.

NOTE: If you are running 32-bit OES 2 on 64-bit server hardware, you can upgrade the server to 32-bit OES 2 SP2 without affecting the listed products.

Upgrading from 32-bit OES 2 to 64-bit OES 2 SP2 is not supported.

4.2 Apple Filing Protocol (AFP) Issues

- ♦ [Section 4.2.1, “Server Registration Doesn’t Happen through Bonjour,” on page 24](#)

Also see [Section 7.1, “AFP,” on page 39](#).

4.2.1 Server Registration Doesn’t Happen through Bonjour

NOTE: This issue should be resolved when SLES 10 SP3 is introduced as the base platform for OES 2 SP2.

To work around this issue, do the following:

- 1 Install the Avahi daemon.
- 2 Modify the `/etc/dbus-1/system.d/avahi-dbus.conf` file by replacing the line,
`allow_send_interface="org.freedesktop.Avahi"/`
with
`allow_send_destination="org.freedesktop.Avahi"/`
- 3 Stop and then restart the dbus daemon by using the following commands:

```
rcdbus stop  
rcdbus start
```
- 4 Start the avahi daemon by using the following command:

```
/etc/init.d/avahi-daemon start
```

4.3 CIFS Issues

The following is the list of known Novell CIFS issues:

- ♦ [Section 4.3.1, “Cross-Platform Junctions Not Supported,” on page 24](#)
- ♦ [Section 4.3.2, “Junction Target Changes Require Restarting the Windows Client,” on page 25](#)
- ♦ [Section 4.3.3, “Duplicate CIFS Share Names for NSS Volumes,” on page 25](#)
- ♦ [Section 4.3.4, “Configuring LDAP with Secure Channel Disabled,” on page 25](#)
- ♦ [Section 4.3.5, “Performance Degradation,” on page 25](#)

Also see [Section 7.2, “CIFS,” on page 40](#).

4.3.1 Cross-Platform Junctions Not Supported

Novell CIFS only supports junctions that target volumes and subdirectories on OES Linux servers.

Novell has no current plans to change this.

4.3.2 Junction Target Changes Require Restarting the Windows Client

The Windows client caches junction locations when it starts. If you modify the junction target location, the client continues to point to the old junction target path until you restart the client.

4.3.3 Duplicate CIFS Share Names for NSS Volumes

When NSS volumes are added to an OES Linux server, they are automatically added as CIFS shares.

If you rename these shares and restart CIFS, the original share names appear in addition to the new share names you specified.

Novell has no current plans to change this.

4.3.4 Configuring LDAP with Secure Channel Disabled

If you are installing a new tree or configuring Novell CIFS for the first time in YaST, do not change the default settings for the secure LDAP port number, the server IP address, or the Secure Channel. If you do, CIFS is not configured.

Novell has no current plans to change this.

4.3.5 Performance Degradation

A performance degradation has been observed when cross-protocol locking is enabled and Oplock is disabled.

Novell has no current plans to change this.

4.4 Distributed File Services (DFS) Issues

- ◆ [Section 4.4.1, “Failure Creating a Management Context with Two Replicas,” on page 25](#)
- ◆ [Section 4.4.2, “Hard Links Are Not Supported in a DFS Move/Split Volume Operation,” on page 26](#)
- ◆ [Section 4.4.3, “Specifying Non-Default VLDB Database Paths on Replica Sites,” on page 26](#)

4.4.1 Failure Creating a Management Context with Two Replicas

Random failures might occur if you attempt to specify two VLDB replica sites when you create the DFS management context. The second replica site is not created, causing the DFS creation process to fail.

To avoid or resolve this problem, specify only a single VLDB replica site when you create the DFS management. After the management context has been successfully created, go to *Distributed File Services > Manage Replicas*, then click the *New* link to add the second replica site for the management context.

Novell has no current plans to change this.

4.4.2 Hard Links Are Not Supported in a DFS Move/Split Volume Operation

DFS does not support move or split operations on volumes containing hard links. The hard links on the volume do not move correctly for either operation.

Novell plans to address this issue in a future OES release.

4.4.3 Specifying Non-Default VLDB Database Paths on Replica Sites

If you specify two replica sites when you create a DFS management context, it is not possible to specify non-default VLDB paths that are different for each of the replica sites. By default, each replica site uses the default VLDB path appropriate for its platform. If you specify a non-default VLDB path when two sites are selected, that path applies to both selected replica sites.

For example, you typically specify a non-default VLDB path when you cluster the VLDB service for a replica site so that the VLDB is located on a clustered resource. If you cluster each replica site, the sites might need different non-default paths on their respective servers.

To specify different non-default paths for two replica sites, create the DFS management context with a single replica site, and specify its non-default VLDB path. After the management context is successfully created, use the *Distributed File Services > Manage Replica Sites* task in iManager to add the second replica and specify the non-default VLDB path to use for its VLDB.

Novell has no current plans to change this.

4.5 DNS/DHCP Issues

- ♦ [Section 4.5.1, “Java Console Limitations,” on page 26](#)
- ♦ [Section 4.5.2, “DNS-Specific Issues,” on page 26](#)
- ♦ [Section 4.5.3, “DHCP-Specific Issues,” on page 27](#)

NOTE: There are also some caveats documented in [Section 7.3, “DNS/DHCP,” on page 41](#).

4.5.1 Java Console Limitations

- ♦ The DNS/DHCP Java Console cannot be used to configure DNS/DHCP in a DSfW environment. A `Locate Summary Error` is displayed.
- ♦ Non-English environments are not supported with the Java Console.
- ♦ The Import feature is not supported with the new Java Console.

Novell has no current plans to change this.

4.5.2 DNS-Specific Issues

There are no known DNS-specific issues.

4.5.3 DHCP-Specific Issues

There are no known DHCP-specific issues.

4.6 eDirectory Issues

- ♦ [Section 4.6.1, “eDirectory Not Starting Automatically,” on page 27](#)

4.6.1 eDirectory Not Starting Automatically

After a system crash or power failure, eDirectory services (ndsd) might not automatically start in some situations.

To start eDirectory again, delete the `/var/opt/novell/eDirectory/data/ndsd.pid` file, then enter `/etc/init.d/ndsd start` at a terminal prompt.

Novell has no current plans to change this.

4.7 iFolder Issues

See the *iFolder 3.7 Readme* (http://www.novell.com/documentation/beta/ifolder3/ifolder37_readme/data/ifolder37_readme.html).

4.8 iPrint Issues

- ♦ [Section 4.8.1, “Installing the Printer Agent on Macintosh Workstations Requires Mozilla Firefox,” on page 27](#)
- ♦ [Section 4.8.2, “64-Bit Mozilla Firefox Can’t Install Printer,” on page 27](#)
- ♦ [Section 4.8.3, “Client Installation on SLED 11 Appears to Fail,” on page 28](#)
- ♦ [Section 4.8.4, “System PPD Upload Fails,” on page 28](#)
- ♦ [Section 4.8.5, “Creating the Driver Profile Fails,” on page 28](#)
- ♦ [Section 4.8.6, “Vista 64-Bit Driver Not Being Associated,” on page 28](#)
- ♦ [Section 4.8.7, “Printers Are Re-Installed,” on page 28](#)
- ♦ [Section 4.8.8, “Driver Upload Not Working,” on page 28](#)

4.8.1 Installing the Printer Agent on Macintosh Workstations Requires Mozilla Firefox

Only Mozilla* Firefox* is supported for installing the printer agent on Macintosh workstations.

Novell has no current plans to change this.

4.8.2 64-Bit Mozilla Firefox Can’t Install Printer

You cannot install a printer with the 64-bit Mozilla Firefox browser (Minefield) in the Beta 1 release.

Novell has no current plans to change this.

4.8.3 Client Installation on SLED 11 Appears to Fail

You can successfully install the iPrint client on SUSE® Linux Enterprise Desktop (SLED) 11 using the software manager, but YaST hangs and continues to report progress until you kill the process.

Novell plans to fix this in the shipping product.

4.8.4 System PPD Upload Fails

If you use Firefox 3.0 on SLED 11, the system PPD upload fails with the 64-bit iPrint client included in OES 2 SP2 Beta2.

4.8.5 Creating the Driver Profile Fails

Creating the driver profile fails on Windows Vista and Windows 7 with the 5.20 iPrint client.

4.8.6 Vista 64-Bit Driver Not Being Associated

The Vista 64-bit driver is not being associated with the printer when creating the printer from *Manage Print Manager*.

4.8.7 Printers Are Re-Installed

Printers are reinstalled if the auto driver update flag is enabled when restarting the spooler.

4.8.8 Driver Upload Not Working

The iPrint plug-in does not work in OES 2 SP2 Beta 2 if you are using Internet Explorer* 8 on Windows 7. The driver upload should be done from Vista.

4.9 NSS Issues

- ♦ [Section 4.9.1, “Monitoring Compression Might Cause the System to Reboot,” on page 28](#)
- ♦ [Section 4.9.2, “Startup Conflict with McAfee LinuxShield,” on page 29](#)
- ♦ [Section 4.9.3, “Unable to Change the Lookup Namespace on a Clustered Volume,” on page 29](#)
- ♦ [Section 4.9.4, “Unable to Rename the Volume Mount Point with Shared Volumes,” on page 29](#)

4.9.1 Monitoring Compression Might Cause the System to Reboot

Novell has observed that when *Maximum Concurrent Compressions* is set to 8, monitoring the compression statistics from the nssmu compression screen while data is being compressed can cause a system reboot. This seems to be a random issue at this point.

Novell plans to address this in the shipping product.

4.9.2 Startup Conflict with McAfee LinuxShield

A startup conflict between NSS and McAfee* LinuxShield* might result in a soft hang. The situation is timing and hardware sensitive, so it might be seen randomly on successive reboots or on different machines.

For a workaround solution, refer to the McAfee Knowledgebase for its LinuxShield product.

4.9.3 Unable to Change the Lookup Namespace on a Clustered Volume

The lookup namespace on a clustered volume cannot be modified. Namespace modification requires a volume unmount and mount. NSS does not currently remember the changed namespace value and resets it back to the default namespace, which is LONG.

Novell plans to fix this in the released product.

4.9.4 Unable to Rename the Volume Mount Point with Shared Volumes.

Renaming the mount point is currently not working on shared volumes.

Novell plans to fix this in the released product.

4.10 Samba Issues

- ♦ [Section 4.10.1, “Using Samba to Open a File with BATCH_OPLOCK Fails,” on page 29](#)

4.10.1 Using Samba to Open a File with BATCH_OPLOCK Fails

BATCH_OPLOCK (opportunistic file locking in batch mode) requests are not handled correctly on an OES 2 Linux server. Programs that request a BATCH_OPLOCK on a Samba share receive no oplock. Requests for Exclusive and Level 2 oplocks are handled correctly.

Novell has no current plans to change this.

4.11 Security Issues

- ♦ [Section 4.11.1, “All LUM Users Can Administer QuickFinder,” on page 29](#)

4.11.1 All LUM Users Can Administer QuickFinder

Any LUM-enabled user can access and use the QuickFinder™ admin console.

Novell has no current plans to change this.

4.12 Storage Management System (SMS) Issues

There are no known SMS issues in Beta 2.

Also see [Section 7.8, “SMS,” on page 43](#).

4.13 Xen Virtualization Issues

- ♦ [Section 4.13.1, “Server Fails to Boot After Installing OES 2 SP 2 Linux on a Xen-Based VM,” on page 30](#)

Also see [Section 7.10, “Xen,” on page 44](#).

4.13.1 Server Fails to Boot After Installing OES 2 SP 2 Linux on a Xen-Based VM

During an OES 2 SP2 Linux install on a Xen*-based virtual machine, if you configure the root partition (/) as the first partition on the system disk and the swap partition second, table information is overwritten for the first partition and the server cannot be booted.

To avoid this problem, be sure to following the instructions in “[Setting Up Disk Partitions \(http://www.novell.com/documentation/oes2/inst_oes_lx/data/btlcu50.html#bnx3yh4\)](http://www.novell.com/documentation/oes2/inst_oes_lx/data/btlcu50.html#bnx3yh4)” in the *OES 2 SPI: Linux Installation Guide* (http://www.novell.com/documentation/oes2/inst_oes_lx/data/front.html)

Novell has no current plans to change this.

Migration Tool Issues

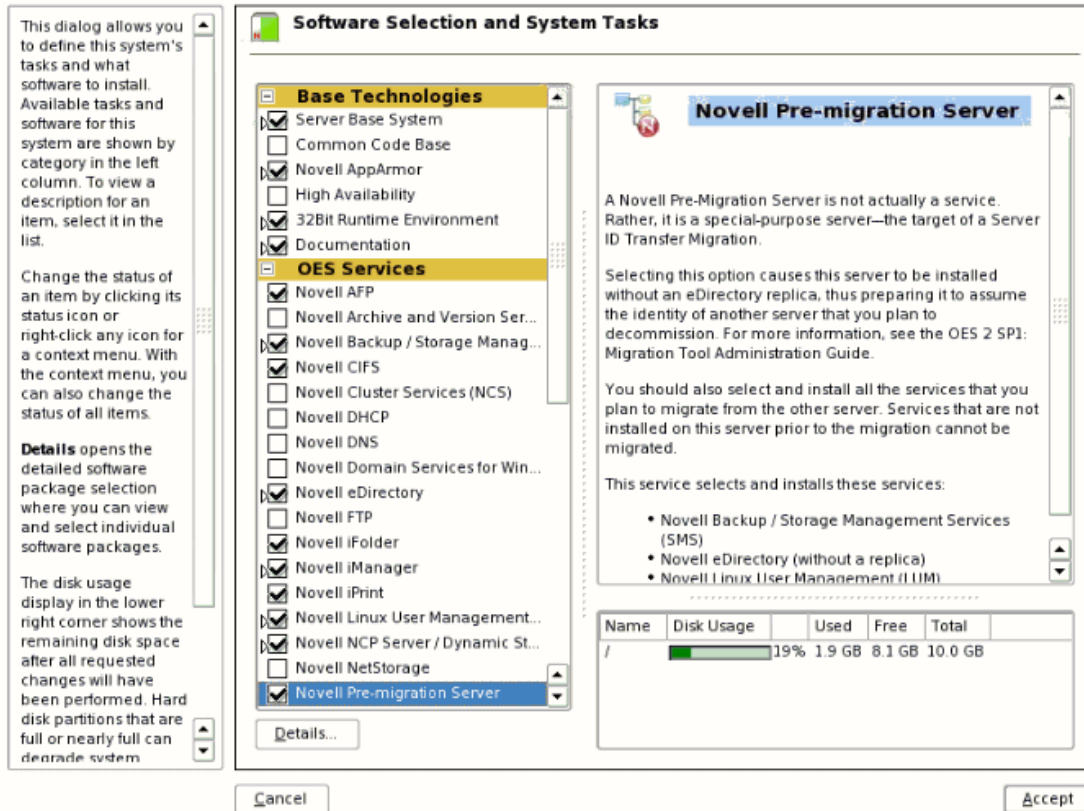
This section documents Novell® Open Enterprise Server (OES) 2 Migration Tool issues in the Beta 3 release..

- ♦ [Section 5.1, “ID Transfer Migration Requires a Pre-Migration Server,” on page 31](#)
- ♦ [Section 5.2, “Installing the Migration Tool,” on page 32](#)
- ♦ [Section 5.3, “Starting the Migration Tool,” on page 32](#)
- ♦ [Section 5.4, “File System Issues,” on page 32](#)
- ♦ [Section 5.5, “iPrint Issues,” on page 32](#)
- ♦ [Section 5.6, “Windows Migrations,” on page 33](#)
- ♦ [Section 5.7, “For More Information,” on page 33](#)

5.1 ID Transfer Migration Requires a Pre-Migration Server

The OES 2 Migration Tool is designed to meet all of your OES migration needs.

However, when you install the target server for a Transfer ID migration, and you reach the *Software Selection and System Tasks* dialog box, you must select the *Novell Pre-migration Server* option.



This prepares eDirectory™ for the Transfer ID migration that you will perform later.

Before performing a Transfer ID migration, we recommend that you manually back up eDirectory and the NICI keys.

5.2 Installing the Migration Tool

The Migration Tool is automatically installed with OES 2 SP2, in the `/opt/novell/migration` folder.

5.3 Starting the Migration Tool

You can access the Migration Tool in two ways:

- ♦ To start the migration GUI on the server desktop, click *Computer > More Applications > System > Novell Migration Tool*.
- ♦ To start the migration CLI, enter the following command at a terminal prompt:

```
miggui
```

5.4 File System Issues

- ♦ [Section 5.4.1, “File System Migration Fails for NetWare Servers Identified by IP Address,” on page 32](#)
- ♦ [Section 5.4.2, “Directory Consolidation Is Case-Sensitive,” on page 32](#)

5.4.1 File System Migration Fails for NetWare Servers Identified by IP Address

If the source server is NetWare®, file system migration might fail randomly. Specify the DNS hostname of the source server instead of the IP address, then try again.

5.4.2 Directory Consolidation Is Case-Sensitive

The Migration Tool uses the case-sensitive naming convention. When consolidating directories with the same name but a different case on the source volume compared to the target volume, the Migration Tool fails to merge the directories and creates new directories instead.

5.5 iPrint Issues

- ♦ [Section 5.5.1, “iprintman Doesn't Handle ACL Migration,” on page 32](#)
- ♦ [Section 5.5.2, “ZENworks Print Policies Break During Migration,” on page 33](#)

5.5.1 iprintman Doesn't Handle ACL Migration

After migrating a server in the same tree, the ACL may not be migrated properly. This can be resolved by opening a terminal prompt and entering the following command :


```
/opt/novell/bin/iprintman psm --xml-import /opt/novell/iprint/bin/psmimport.xml -s target-server-IPAddress -u admin -f --accept-cert
```

Novell plans to address this issue in the shipping product.

5.5.2 ZENworks Print Policies Break During Migration

If iPrint printers are distributed through ZENworks® Print policies (either ZENworks 7 or ZENworks Configuration Management 10), the policies might be broken after printers are migrated to a new target server.

Development of a solution is underway and is planned for inclusion in the OES 2 SP1 patch channel. If your policies are broken after a migration, the patch has not yet been released, and the workaround is to repopulate the policies with new printers.

5.6 Windows Migrations

You can migrate Windows shares through YaST by using the *Open Enterprise Server > Migrate Windows Shares* tool. See “[Using the Migrate Windows Shares Utility](#)” in the *OES 2 SP2: Migration Tool Administration Guide*.

The following are known issues with the tool:

- ◆ User information is not generated for DFS shares on Windows source servers.
Novell has no current plans to change this.
- ◆ Ownership for files and folders changes after the migration.
Novell has no current plans to change this.
- ◆ When migrating files from an NTFS share, some of the localized/foreign language files aren’t copied, and the tool reports that the file has vanished.
Novell has no current plans to change this.
- ◆ Selecting *Statically Apply Trustee Rights* has no effect. The migration always uses the default setting.
Novell has no current plans to change this.
- ◆ Compressed files are migrated as uncompressed.
Novell has no current plans to change this.

5.7 For More Information

For information on using the Migration Tool GUI, refer to the help file associated with the Migration Tool GUI or see “[Using the Migration Tool GUI](#)” in the *OES 2 SP2: Migration Tool Administration Guide*.

Domain Services for Windows Issues

6

This section lists various known issues that have been encountered during the installation and configuration of Domain Services for Windows (DSfW). For installation instructions, see “[Installing and Configuring Domain Services for Windows](#)” in the *OES 2 SP2: Domain Services for Windows Administration Guide*.

IMPORTANT: DSfW requires the latest version of Samba. To get the latest version of Samba on your SUSE[®] Linux Enterprise Server (SLES) 10 SP2 server, you must register the server with the Novell[®] Customer Center and then download and install all of the available patches prior to configuring DSfW.

For more information on registering your server and retrieving patches, see “[Specifying Novell Customer Center Configuration Settings](#)” in the *OES2 SP1: Linux Installation Guide*.

- ♦ [Section 6.1, “Installation and Configuration Issues,” on page 35](#)
- ♦ [Section 6.2, “Provisioning Issues,” on page 35](#)
- ♦ [Section 6.3, “Removing a DSfW Server,” on page 36](#)
- ♦ [Section 6.4, “MMC Issues,” on page 36](#)
- ♦ [Section 6.5, “Compatibility with Other Novell Products,” on page 36](#)
- ♦ [Section 6.6, “DSfW Interoperability Issues,” on page 37](#)

6.1 Installation and Configuration Issues

- ♦ [Section 6.1.1, “Installing DSfW by Using AutoYaST Makes Invalid LDAP Calls,” on page 35](#)

6.1.1 Installing DSfW by Using AutoYaST Makes Invalid LDAP Calls

When you try to configure a DSfW server using the YaST generated `autoyast.xml` file, it might respond with the invalid LDAP syntax errors.

To avoid these errors, specify the correct server context format in the XML file.

Novell has no current plans to change this.

6.2 Provisioning Issues

- ♦ After provisioning DSfW, the `winbindd` daemon might go into not responding mode. Ensure that `winbindd` is running by using the `/etc/init.d/winbind status` command.
- ♦ During installation of an additional Domain Controller, the SLAPI plug-in configuration task fails to execute. To resolve this, refresh LDAP by using the following command:

```
ldapconfig -R -a admin FDN -w password
```

- ♦ The DNS Configuration task fails to execute while provisioning an Additional Domain Controller.
- ♦ The provisioning plug-in fails to validate the credentials of the current domain during domain configuration.

6.3 Removing a DSfW Server

When you use the `ndsdcrm` utility to remove a failed installation, it fails to remove the `provisioning.xml` file. To resolve this issue, manually remove the file from the `/etc/opt/novell/xad/` folder.

6.4 MMC Issues

You might encounter the following issues while using MMC to manage the DSfW server:

- ♦ [Section 6.4.1, “Copying a User Object from the MMC Fails,” on page 36](#)
- ♦ [Section 6.4.2, “Users Must Change Their Own Passwords,” on page 36](#)

6.4.1 Copying a User Object from the MMC Fails

When you copy a user object from MMC, it fails with an unspecified error.

Novell has no current plans to change this.

6.4.2 Users Must Change Their Own Passwords

After a user is created, the administrator cannot force password changes through MMC because the check box is disabled. Users must change their own passwords.

Novell has no current plans to change this.

6.5 Compatibility with Other Novell Products

Novell doesn't support installing other Novell products within a DSfW partition.

Some products might be supported in name-mapped implementations of DSfW. Consult the [product documentation \(http://www.novell.com/documentation\)](http://www.novell.com/documentation) and the [Novell Support site \(http://www.novell.com/support\)](http://www.novell.com/support) for confirmation before attempting such installations.

You should assume that an installation is not supported unless these sources indicate otherwise.

NOTE: This section refers to other Novell products, such as GroupWise®. It doesn't apply to services included with OES 2, such as Novell iPrint.

Limitations for installing OES 2 services on the same server are outlined in “[Unsupported Service Combinations](#)” in the *OES 2 SP2: Domain Services for Windows Administration Guide*.

6.6 DSfW Interoperability Issues

IMPORTANT: The following list is provided here for your convenience. Do not consider the list as complete. Be sure to consult the documentation for your other Novell products for information on interoperability issues with DSfW.

- ♦ [Section 6.6.1, “ZENworks Endpoint Security Management 3.5,” on page 37](#)
- ♦ [Section 6.6.2, “GroupWise 8.0,” on page 37](#)
- ♦ [Section 6.6.3, “Novell SecureLogin 6.1,” on page 37](#)

6.6.1 ZENworks Endpoint Security Management 3.5

On an OES 2 SP1 machine with DSfW installed, the ESM utility fails on all DSfW server ports.

Novell has no current plans to change this.

6.6.2 GroupWise 8.0

In a DSfW three-server tree, when you launch ConsoleOne[®] to assign GroupWise passwords to the users, the post office indicates that all the users are added to it. However, the property pages of the DSfW users indicate that the users residing within the DSfW partition are not assigned to the post office, but other users are correctly added.

Novell has no current plans to change this.

6.6.3 Novell SecureLogin 6.1

On installing SecureLogin on an existing DSfW partition, it functions as expected. If DSfW is deployed on a tree that has SecureLogin already installed, the existing LDAP mapping is replaced with the automapped LDAP names (for example, NDS Name Prot:SSO Auth is mapped to LDAP name ProtSSOAuth, which is intended to be protocom-SSO-Auth-Data).

To resolve this issue, the administrator must manually change the LDAP schema mapping for SecureLogin to work.

Novell has no current plans to change this.

You should be aware of the following items as you work with Novell® Open Enterprise Server (OES) 2 SP2 services. Novell has no current plans to change any of these caveats.

- ◆ [Section 7.1, “AFP,” on page 39](#)
- ◆ [Section 7.2, “CIFS,” on page 40](#)
- ◆ [Section 7.3, “DNS/DHCP,” on page 41](#)
- ◆ [Section 7.4, “DSfW,” on page 41](#)
- ◆ [Section 7.5, “Installation and Upgrade,” on page 42](#)
- ◆ [Section 7.6, “Management,” on page 42](#)
- ◆ [Section 7.7, “LDAP,” on page 43](#)
- ◆ [Section 7.8, “SMS,” on page 43](#)
- ◆ [Section 7.9, “TSANDS Limitations,” on page 43](#)
- ◆ [Section 7.10, “Xen,” on page 44](#)

7.1 AFP

- ◆ [Section 7.1.1, “User Credential Synchronization with eDirectory,” on page 39](#)
- ◆ [Section 7.1.2, “Anti-Virus Solutions and AFP,” on page 39](#)
- ◆ [Section 7.1.3, “OpenOffice 3.0 Is Required for File Locking on Macintosh Workstations,” on page 39](#)

7.1.1 User Credential Synchronization with eDirectory

If you need to change the AFP proxy user’s password, you must use YaST and reconfigure AFP.

7.1.2 Anti-Virus Solutions and AFP

The Apple* Filing Protocol (AFP) support for NSS files on OES 2 SP2 Linux is implemented via a technology that bypasses the real-time scanning employed by most OES 2 anti-virus solutions. NSS files shared through an AFP connection might be protected by on-demand scanning on the OES 2 server or by real-time and on-demand scanning on the Apple client.

7.1.3 OpenOffice 3.0 Is Required for File Locking on Macintosh Workstations

If your network users access files on OES Linux servers through AFP, CIFS, or NCP™ connections by using OpenOffice on Macintosh workstations, they should use OpenOffice 3.0 to avoid overwriting each other’s changes.

Macintosh versions of OpenOffice earlier than 3.0 don’t create temporary lock files, meaning that each requested copy of the same file is a normal read-write copy. If multiple users open and edit the same file during the same time period, they overwrite each other’s changes.

OpenOffice 3.0 prevents this problem by providing only the first requester with a read-write copy of the file and placing a temporary lock file on the server. As long as the first requester has the file open, all other requesters get read-only copies of the file and cannot modify it.

7.2 CIFS

- ♦ [Section 7.2.1, “CIFS Server Can’t Co-exist with Samba Daemons and DSfW,”](#) on page 40
- ♦ [Section 7.2.2, “Changing the Server IP Address,”](#) on page 40
- ♦ [Section 7.2.3, “Number of Shares Hosted on the Server,”](#) on page 40
- ♦ [Section 7.2.4, “Proxy User Creation Depends on the Existing Password Policy,”](#) on page 40
- ♦ [Section 7.2.5, “Trustee Assignments for Files/Folders,”](#) on page 41
- ♦ [Section 7.2.6, “Proxy User Credential Synchronization with eDirectory,”](#) on page 41
- ♦ [Section 7.2.7, “Using a Preexisting Cluster Pool for CIFS,”](#) on page 41

7.2.1 CIFS Server Can’t Co-exist with Samba Daemons and DSfW

The CIFS server does not come up if the Samba server or DSfW is running.

For Samba, the workaround is to login as `root` and stop all the running Samba daemons, then restart the CIFS server. Use the following commands to stop the running Samba daemons:

- ♦ `/etc/init.d/smb stop`
- ♦ `/etc/init.d/nmb stop`

7.2.2 Changing the Server IP Address

Reconfiguring CIFS might not take effect if the server IP address is changed and is not being populated in YaST. The workaround is to reconfigure the LDAP server IP address for the changes to be populated in YaST and eventually in the CIFS configuration.

7.2.3 Number of Shares Hosted on the Server

There is a limitation on the number of shares a CIFS server can host. For most configurations this limit is between 300 to 500 shares.

7.2.4 Proxy User Creation Depends on the Existing Password Policy

Proxy user creation fails if the default generated password does not adhere to the Password policy assigned to the container.

The workaround is to create a password that conforms to the password restrictions in the existing Password policy. For more information, see [“CIFS is not coming up after installation”](#) in the *OES 2 SPI: Novell CIFS for Linux Administration Guide*.

7.2.5 Trustee Assignments for Files/Folders

A file or folder loses its explicit trustee assignments if Rename/Move operations are performed on it. An administrator must re-assign trustee rights to the renamed or moved folder or file.

7.2.6 Proxy User Credential Synchronization with eDirectory

If the proxy user password is changed, the Admin user must reconfigure CIFS through YaST and change the password. Use the procedure in “CIFS is not coming up after installation” in the *OES 2 SP1: Novell CIFS for Linux Administration Guide*.

7.2.7 Using a Preexisting Cluster Pool for CIFS

Enabling CIFS on a preexisting cluster pool requires the following manual steps to be done by the administrator:

IMPORTANT: Ensure that Python* is installed on SUSE® Linux Enterprise Server.

- 1 Enable CIFS for POOL_SERVER through iManager.
- 2 Offline the POOL_SERVER.
- 3 Run the following command:

```
python cifsPool.py Resource_DN CIFS_Server_Name ldaps://ldapservers:636
Admin_DN Admin_password
```

```
For example, python cifsPool.py cn=POOL_SERVER,cn=clus1,o=novell CIFS_POOL
ldaps://192.168.1.1:636 cn=admin,o=novell xxxxxx
```

NOTE: The length of the CIFS server name should not exceed 15 characters.

7.3 DNS/DHCP

- ♦ [Section 7.3.1, “DNS Credential Change in OES 2 SP2,” on page 41](#)

7.3.1 DNS Credential Change in OES 2 SP2

In OES 2 SP1, credentials could be stored in both CASA and in a file. In OES 2 SP2, credentials can be stored in either CASA or in a file but not in both.

7.4 DSfW

- ♦ [Section 7.4.1, “Time Must Be Synchronized or Name-Mapped Installation Fails,” on page 41](#)

7.4.1 Time Must Be Synchronized or Name-Mapped Installation Fails

DSfW cannot install if there are time synchronization problems among the servers in the [root] replica ring. To ensure that DSfW does not encounter this problem during installation, you must have all the servers in the [root] replica synchronized correctly before installing DSfW.

7.5 Installation and Upgrade

- ♦ [Section 7.5.1, “Java and Other Conflicts Displayed During an Upgrade from OES 2 Linux,” on page 42](#)
- ♦ [Section 7.5.2, “The Tree Admin Is Not Automatically Granted Rights for Server Administration,” on page 42](#)
- ♦ [Section 7.5.3, “VNC Install Fails to Set the IP Address in /etc/hosts,” on page 42](#)

7.5.1 Java and Other Conflicts Displayed During an Upgrade from OES 2 Linux

If you get package conflict errors during an upgrade to OES 2 SP2, you can either choose to ignore the conflicts (if that option is available), or you can delete the packages. Patches that have been deleted are still in the patch channel if you need to add them later.

Testing has revealed no service differences or problems with taking either course of action.

7.5.2 The Tree Admin Is Not Automatically Granted Rights for Server Administration

The only administrator who is granted rights to the services on a server is the administrator who installs the server. For example, if a container admin installs a DSfW server, the tree admin cannot manage the DSfW services on that server after the install.

The administrator credentials that you entered during the install are automatically configured to allow the admin who did the install to manage services on the server. After the install, you can add another administrator.

For more information regarding this issue, see [“eDirectory Rights Required to Install OES Linux”](#) in the *OES2 SP1: Linux Installation Guide*.

7.5.3 VNC Install Fails to Set the IP Address in /etc/hosts

If you install through a VNC connection, the `/etc/hosts` file is configured with a loopback address assigned to the hostname. This can cause problems with services.

Using a text editor, modify `/etc/hosts` so that the hostname is associated with its actual IP address.

7.6 Management

- ♦ [Section 7.6.1, “Storage Error in iManager When Accessing a Virtual Server,” on page 42](#)
- ♦ [Section 7.6.2, “Truncated DOS-Compatible Short Filenames Are Not Supported,” on page 43](#)

7.6.1 Storage Error in iManager When Accessing a Virtual Server

iManager returns a `Storage Error` when you access the *Authentication* tab for a virtual server object. This is working as designed.

7.6.2 Truncated DOS-Compatible Short Filenames Are Not Supported

Use the actual filenames instead of names such as `filena~1.txt` during file operations from the command prompt.

7.7 LDAP

- ♦ [Section 7.7.1, “Subtree Search Times Out \(Bad XML Error\),” on page 43](#)

7.7.1 Subtree Search Times Out (Bad XML Error)

If you are using Novell eDirectory 8.7.3x, timeouts are possible when you search from iManager for eDirectory objects, such as NCP Server objects, Volume objects, and Cluster objects. This is because the Object Class attribute is not indexed by default. The LDAP subtree search can take over 30 seconds, which causes the query to time out. For example, a Cluster objects search from the Cluster Options page returns the error:

```
Bad XML found during parsing when accessing cluster options
```

We recommend that you create a value index on the objects' Object Class attribute. (Object Class is considered an attribute for indexing purposes.) This helps to reduce the time needed for the subtree search from over 30 seconds to 10 to 50 milliseconds. For instructions, see [“Creating an Index”](#) in the *Novell eDirectory 8.8 Administration Guide*.

Building indexes speeds up the subtree search, even if some partitions being searched do not contain these types of objects. For example, searching for a Cluster object in a context that contains only users is not expected to return results; however, the Object Class search is still performed, and benefits from having an index present.

The subtree search performance issue is resolved in the eDirectory 8.8.x release with the addition of the AncestorID feature.

7.8 SMS

- ♦ [Section 7.8.1, “Limitation for Restoring an NCP POSIX Volume,” on page 43](#)

7.8.1 Limitation for Restoring an NCP POSIX Volume

- ♦ On restoring an NCP POSIX* volume, the NSS user must be LUM-enabled to preserve the user's ID.

7.9 TSANDS Limitations

- ♦ [Section 7.9.1, “Single Object/Partial Restore from a Full or Subtree Backup,” on page 44](#)
- ♦ [Section 7.9.2, “TSANDS Does Not Connect to eDirectory Running on a Non-Default NCP Port,” on page 44](#)

7.9.1 Single Object/Partial Restore from a Full or Subtree Backup

Restoring a single object from a full or subtree backup is not supported.

7.9.2 TSANDS Does Not Connect to eDirectory Running on a Non-Default NCP Port

If eDirectory is running on a non-default NCP port (that is, other than 524), TSANDS does not connect to it.

NOTE: TSANDS must be loaded manually by using following command: `/opt/novell/sms/bin/smsconfig -l tsands`

For further information on TSANDS, refer to the tsands man page.

7.10 Xen

- ♦ [Section 7.10.1, “Backing Up a Xen Virtual Machine,” on page 44](#)

7.10.1 Backing Up a Xen Virtual Machine

When you back up a Xen virtual machine running virtualized NetWare, we recommend using a remote backup source rather than a local tape device because of limitations in detecting a local tape device.