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# OpenText Open Enterprise Server 24.4 Release Notes

October 2024

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# Preface

OpenText Open Enterprise Server CE 24.4 delivers all the enterprise-class networking, file, and print services that enterprises have relied on for years. OES 24.4 is on SUSE Linux Enterprise 15 SP4, which provides valuable benefits including power savings, virtualization, manageability, and interoperability.

OES 24.4 provides several new features that reduce administrative complexities and provides access to file and storage services regardless of eDirectory or Active Directory as an identity source. For information about the new features, see [Chapter 1, “What’s New,”](#) on page 7.

Review the list of known issues in [Chapter 2, “Known Issues,”](#) on page 11 before installing OES 24.4.

## Additional Documentation

For more information about	See
Installation	<a href="#">Installation Guide</a>
Planning and Implementation	<a href="#">Planning and Implementation Guide</a>

Use the following links to access the earlier versions of OES documentation:

- ♦ [OES 23.4 Online Documentation website \(https://www.microfocus.com/documentation/open-enterprise-server/23.4\)](https://www.microfocus.com/documentation/open-enterprise-server/23.4)
- ♦ [OES 2023 Online Documentation website \(https://www.microfocus.com/documentation/open-enterprise-server/2023/\)](https://www.microfocus.com/documentation/open-enterprise-server/2023/)
- ♦ [OES 2018 Online Documentation website \(https://www.novell.com/documentation/open-enterprise-server-2018/\)](https://www.novell.com/documentation/open-enterprise-server-2018/)



# 1 What's New

This section summarizes the new features and enhancements in OES 24.4 release.

- ♦ [Section 1.1, “OES MFA on CIFS service,” on page 7](#)
- ♦ [Section 1.2, “Installation and Upgrade,” on page 7](#)
- ♦ [Section 1.3, “Distributed File Services \(DFS\),” on page 7](#)
- ♦ [Section 1.4, “Storage Services File System \(NSS\),” on page 8](#)
- ♦ [Section 1.5, “Unified Management Console \(UMC\),” on page 8](#)

## 1.1 OES MFA on CIFS service

OES CIFS can be configured to use an OES Multifactor Authentication (MFA) service to enforce multifactor authentication when users access the CIFS share.

For more information, see [OES Multifactor Authentication Service](#) in the [Installation Guide](#).

## 1.2 Installation and Upgrade

### iPrint Advanced

OES iPrint Advanced and OES iPrint patterns are merged. Thus, OES iPrint Advanced is available with OES iPrint capabilities.

### OES Database

The database configuration of the OES services is separated as a new OES database pattern.

### OES FTP Server

A new module `oesftpic.service` is introduced for OES FTP Server (`pure-ftpd`) to fetch the user details of eDirectory (FQDN) and Active Directory (User ID, home directory, AD domain name) during authentication.

The `pure-ftpd.service` and `oesftpic.service` must be running on OES server for FTP functionality to work.

For more information, see the [Installation Guide](#).

## 1.3 Distributed File Services (DFS)

The `dfstool` command line utility has been enhanced to include the following operations:

- ♦ Schedule Move or Split job

- ◆ List job
- ◆ Pause job
- ◆ Resume job
- ◆ Cancel job
- ◆ Reschedule job
- ◆ View skipped files

For more information, see [DFSTOOL](#) in the [Distributed File Services Administration Guide for Linux](#).

## 1.4 Storage Services File System (NSS)

### Seamless Data Migration from NSS32 to NSS64 Volume using Dynamic Storage Technology (DST)

You can seamlessly move the NSS data from NSS32 to NSS64 volumes without noticeable change or disruption. The data migration is performed by migrating all the data and corresponding metadata from the source NSS32 volume to the target NSS64 volume in the same tree and server. The source and the target volumes must be local volumes.

For more information, see [Migrating NSS32 to NSS64 volume using oes-nss32to64 service](#) in the [Storage Services File System \(NSS\) Administration Guide for Linux](#).

### Managing DST Operation

Introduced `dstutil`, a new command line utility tool for managing and configuring basic DST operations.

For more information, see [dstutil](#) in the [Storage Services File System \(NSS\) Administration Guide for Linux](#).

## 1.5 Unified Management Console (UMC)

Managing Open Enterprise Server (OES) services is made easier by the Unified Management Console (UMC). Highly responsive, simple, and secure management tool for managing small and large heterogeneous deployments. As a single point of administration for OES resources, it takes the place of the multiple management consoles.

UMC provides customized access to network administration utilities and content from virtually anywhere using the Internet and a web browser similar to iManager.

### Support Matrix for Managing OES Services

*Table 1-1 UMC Supported Servers*

Services	OES 2023	OES 23.4	OES 24.1 OES 24.2	OES 24.3	OES 24.4
Storage	YES	YES	YES	YES	YES



Services	OES 2023	OES 23.4	OES 24.1 OES 24.2	OES 24.3	OES 24.4
Files and Rights	YES (Update 4)	YES	YES	YES	YES
Cluster	NO	YES	YES	YES	YES
NCP Shares	NO	YES	YES	YES	YES
NCP Connections	NO	NO	YES	YES	YES
CIFS	NO	NO	NO	YES	YES
DFS (Replica and Junctions)	NO	NO	NO	YES	YES
DFS (Move and Split jobs)	NO	NO	NO	NO	YES
SMDR	NO	NO	NO	NO	YES
TSAFS	NO	NO	NO	NO	YES

## Identity Console

Identity Console is bundled with Unified Management Console (UMC) for identity management in an OES environment. The packages are installed automatically during the UMC installation and no separate installation is required.

For more information, see the [Installation Guide](#).

## Managing DFS Jobs

The following DFS jobs can be managed through UMC:

- ◆ [List jobs](#)
- ◆ [Move job](#)
- ◆ [Split job](#)
- ◆ Reschedule job
- ◆ [Pause](#) and [Resume job](#)
- ◆ [Cancel job](#)
- ◆ [View skipped files](#)

For more information, see [Managing Volume Jobs](#) in [Unified Management Console](#).

## Managing Storage Management Services (SMS)

Support for managing SMS components Storage Management Data Requester (SMDR) and Target Service Agent for File System (TSAFS).

For more information, see [Managing SMDR](#) and [Managing TSAFS](#) in [Unified Management Console](#).

## **Blocked User**

In UMC CIFS, **Permanent Invalid User** is renamed as **Blocked User**. There is no functionality change.

For more information, see [Managing Invalid Users](#) in [Unified Management Console](#).

## **Enhanced UMC Health Script**

The `umcServiceHealth` script has been enhanced to check the health of Redis (Remote Dictionary Server).

For more information, see [UMC Health Script](#) in [Unified Management Console](#).

# 2 Known Issues

This section provides a list of known issues in OES 24.4 release.

- ♦ [Section 2.1, “OES Installation, Upgrade and Update,” on page 11](#)
- ♦ [Section 2.2, “Distributed File Services \(DFS\),” on page 11](#)
- ♦ [Section 2.3, “Cloud Integrated Storage \(CIS\),” on page 14](#)
- ♦ [Section 2.4, “Domain Services for Windows \(DSfW\),” on page 14](#)
- ♦ [Section 2.5, “eDirectory,” on page 16](#)
- ♦ [Section 2.6, “Identity Console,” on page 16](#)
- ♦ [Section 2.7, “iPrint Advanced,” on page 17](#)

## 2.1 OES Installation, Upgrade and Update

- ♦ [Section 2.1.1, “Package Conflict Issue,” on page 11](#)

### 2.1.1 Package Conflict Issue

During the OES upgrade, you may encounter package conflict issues related to PHP version 8. To resolve this issue, you must uninstall PHP version 7 and then proceed with the OES upgrade.

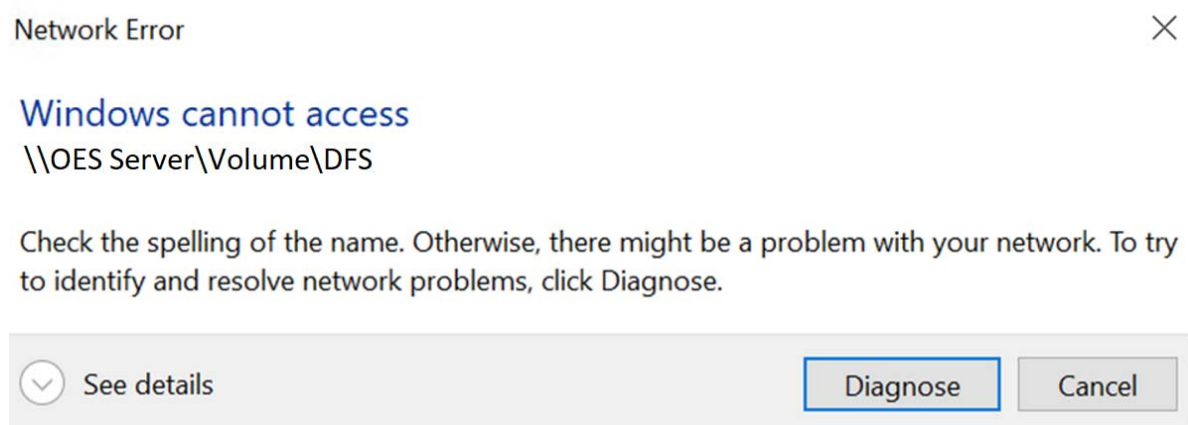
## 2.2 Distributed File Services (DFS)

- ♦ [Section 2.2.1, “Windows Cannot Access Error,” on page 11](#)
- ♦ [Section 2.2.2, “CIFS eDirectory User can Access Non-OES Windows Target DFS Junction,” on page 12](#)
- ♦ [Section 2.2.3, “Non-OES Target Validation Errors,” on page 12](#)
- ♦ [Section 2.2.4, “NCP Clients Issues,” on page 13](#)
- ♦ [Section 2.2.5, “iManager Issues,” on page 13](#)
- ♦ [Section 2.2.6, “RME must be Configured for DFS Junction Pointing to Multiple Targets,” on page 13](#)
- ♦ [Section 2.2.7, “DFSTOOL Command Errors,” on page 13](#)

### 2.2.1 Windows Cannot Access Error

If Windows SMB Share or Windows Server are unavailable, or no trustee rights are available for the Windows SMB Share, permission denied error is displayed.

Figure 2-1 Error Message



## 2.2.2 CIFS eDirectory User can Access Non-OES Windows Target DFS Junction

If the Active Directory administrator permissions are granted to Windows share, the CIFS eDirectory user can access the DFS junction on the non-OES Windows target DFS junction.

## 2.2.3 Non-OES Target Validation Errors

By default, `dfstool` uses anonymous login to validate the non-OES SMB share without prompting the user for any credentials on the command line. The `dfstool` does not check whether the path exists from the share. If the anonymous login is disabled on the server hosting the target then junction creation or modification might fail.

The `i` option can be used to establish the non-OES junction without verifying the existence of the target server or share:

- ♦ `dfstool -c /media/nss/VOL1/dir1/junc1 -t target_server_or_ip_address/share_name/path_to_target_folder -T non-oes -i`

(or)

```
dfstool -c /media/nss/VOL1/dir1/junc1 -t target_server_or_ip_address/share_name/path_to_target_folder -T non-oes --ignore-targetpath-check
```

- ♦ `dfstool -m /media/nss/VOL1/dir1/junc1 -t target_server_or_ip_address/share_name/path_to_target_folder -T non-oes -i`

(or)

```
dfstool -m /media/nss/VOL1/dir1/junc1 -t target_server_or_ip_address/share_name/path_to_target_folder -T non-oes --ignore-targetpath-check
```

## 2.2.4 NCP Clients Issues

- ◆ NCP client does not list non-OES targets.
- ◆ For a DFS junction, the NCP client is unable to list all multiple targets. In a failover scenario, the NCP client cannot use the other target if one of the targets is unavailable as the NCP clients always points to the first target path.

## 2.2.5 iManager Issues

- ◆ iManager cannot list more than one target if the DFS junction points to multiple targets.
- ◆ If an NSS volume has both OES and a non-OES junction, iManager junction scan lists only OES junctions. So, to view non-OES junctions, you must use `dfstool`.
- ◆ When browsing the NSS volume to modify or delete DFS junctions, iManager lists only OES junctions.
- ◆ In OES 24.4 iManager, the move volume and split volume jobs fail when you select an existing volume as the target. To resolve this issue, you can use an earlier version of iManager or create a new volume during the move or split volume operation.

## 2.2.6 RME must be Configured for DFS Junction Pointing to Multiple Targets

Cluster migrating a resource (which has a first target path) to another server (which has a second target path) followed by "vldb repair" would result in only one active target path until the user configures Resource Mutual Exclusion (RME).

## 2.2.7 DFSTOOL Command Errors

- ◆ If a DFS junction points to multiple targets, the list junction cannot list more than one target for that DFS junction.
- ◆ `dfstool` does not validate the special characters (`$$`, `$!`) appended to the share name and creates junction successfully.
- ◆ `dfstool` throws an encryption issue even though the junction is successfully created when creating a junction with Netapp shares using the `-A` option.
- ◆ When using DFS Namespace to generate a non-OES junction, `dfstool` incorrectly lists the non-OES junction target path because DFS Namespace is appended before the SMB target share.

Junction Name	Source Server	Source Path	Target Server	Target Path	Management Context	Status
junc1	OESserver	Vol1:/nonoes/	Windows_do main	DFSnamespace:/ Winshare1/	*NA*	Available
junc2	OESserver	Vol1:/nonoes/	Windows_do main	DFSnamespace:/ Winshare1/dir1	*NA*	Available

## 2.3 Cloud Integrated Storage (CIS)

- ♦ [Section 2.3.1, “CIS configuration Fails if the CIS pattern is Selected During OES installation with BIOS Firmware,” on page 14](#)

### 2.3.1 CIS configuration Fails if the CIS pattern is Selected During OES installation with BIOS Firmware

During the installation, if CIS is combined with other services, you have to restart the server before configuring CIS.

## 2.4 Domain Services for Windows (DSfW)

- ♦ [Section 2.4.1, “Computer Group Policy Error with GPOupdate in Windows 11 24H2,” on page 14](#)
- ♦ [Section 2.4.2, “Cross-Forest User Login Fails with the Latest Windows Updates,” on page 14](#)
- ♦ [Section 2.4.3, “Cannot Configure UMC on DSfW Server,” on page 15](#)
- ♦ [Section 2.4.4, “Cannot Create Samba Shares,” on page 15](#)
- ♦ [Section 2.4.5, “CIS Pattern Conflict in DSfW Name-Mapped/Non-Name-Mapped Servers,” on page 15](#)
- ♦ [Section 2.4.6, “Mixed Mode Configuration is not Supported,” on page 15](#)
- ♦ [Section 2.4.7, “DSfW Interoperability Issues,” on page 15](#)

### 2.4.1 Computer Group Policy Error with GPOupdate in Windows 11 24H2

Updating **Computer Group Policy** by running the `gpupdate` command in the Windows 11 24H2 system results in an error. However, the update of the **Computer Group Policy** is successful.

### 2.4.2 Cross-Forest User Login Fails with the Latest Windows Updates

In a DSfW and Active Directory cross-forest trust scenario, AD user login to the DSfW domain-joined client fails with the error message “Insufficient system resources exist to complete the requested service.”

The issue is due to Windows updates that use AES encryption for client authentication. The issue is present on the updated Windows 22 (version 21H2(20348.2655)) and Windows 25 (version 24H2(26100.1457)) servers.

To resolve this issue, you must change the encryption type to RC4 so that cross-forest users can log in to other domain-joined clients:

```
ksetup /setenctypeattr <domainname.com> -kvno 2 -t RC4-HMAC-MD5
```

### 2.4.3 Cannot Configure UMC on DSfW Server

Unified Management Console (UMC) configuration on DSfW Domain Controllers (FRD, ADC, or CDC) fail in Name-Mapped and Non-Name-mapped DSfW setup. UMC is unable to detect the existing UMC server in the same tree.

### 2.4.4 Cannot Create Samba Shares

The Samba shares cannot be created in iManager because the NCP Server object fails to load during the process. However Samba shares can be created in the `smb.conf` file.

### 2.4.5 CIS Pattern Conflict in DSfW Name-Mapped/Non-Name-Mapped Servers

CIS pattern cannot be installed on Name-Mapped and Non-Name-Mapped DSfW servers.

On a Name-Mapped deployment, CIS is installed on the eDirectory server and DSfW is installed on a partitioned container. Dashboard is not able to fetch DSfW server details since CIS and DSfW are in different domains.

**Workaround:** DSfW domain DNS is added as a primary DNS in the eDirectory server where CIS is installed. With this change CIS resolves DSfW domain and started fetching DSfW server details.

### 2.4.6 Mixed Mode Configuration is not Supported

Beginning with OES 2018 SP1, the DSfW domain controllers having OES 2018 SP1 or later and those having earlier OES versions cannot coexist in a forest. This is because of the functional incompatibility between the updated Kerberos version in OES 2018 SP1 and the Kerberos version in OES 2018 and earlier. All the DSfW servers in a forest must be on the same OES version and on the same patch level.

### 2.4.7 DSfW Interoperability Issues

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

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#### ZENworks Endpoint Security Management 3.5

On an OES 2018 server with DSfW installed, the Endpoint Security Management utility fails on all DSfW server ports.

OpenText has no current plans to change this.

## 2.5 eDirectory

The following are the known OES-specific eDirectory issues. For general eDirectory issues, refer to the [eDirectory documentation website](#).

- ♦ [Section 2.5.1, “eDirectory Features Not Supported in OES,” on page 16](#)
- ♦ [Section 2.5.2, “eDirectory Not Restarting Automatically,” on page 16](#)

### 2.5.1 eDirectory Features Not Supported in OES

The following eDirectory features are not supported:

- ♦ SUITE B  
  
For more information, see [Configuring eDirectory in Suite B Mode](#) in the [NetIQ eDirectory Administration Guide](#).
- ♦ Enhanced Background Authentication (EBA)
- ♦ FIPS

---

**NOTE:** With OES 2018 SP1 or earlier, along with these eDirectory features, creation of AES 128-bit tree key or 256-bit tree key is also not supported.

---

### 2.5.2 eDirectory Not Restarting Automatically

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

To start eDirectory again:

- 1 Delete the `/var/opt/novell/eDirectory/data/ndsd.pid` file.
- 2 At a terminal prompt, enter `systemctl start ndsd.service`

## 2.6 Identity Console

The following are the issues with the OES Identity Console installed on OES 24.4:

- ♦ **Adding replica objects:** Unable to add OES server replica objects using the Partition Management plugin.
- ♦ **Modifying LDAP settings:** Identity Console does not accept modifications to the LDAP settings (TLSv1.2, TLSv1.x, sslv3, and so on). The modifications made through iManager are also not reflected on Identity Console.
- ♦ **eDirectory Group attributes:** Identity Console fails to list the valued attributes for the eDirectory groups that are synced to AD server container through IDM AD driver. However, for the same groups, the attributes are listed in iManager.
- ♦ **Login to iPrint portal:** Login to iPrint Print Portal and Release Portal fails with username, if the user is created using Identity Console.



- ♦ **Modifying User or Group:** The modifications made to the users and groups using Identity Console does not get saved.
- ♦ **Browsing eDirectory context:** The eDirectory context and sub context cannot be browsed from the context field.
- ♦ **Creating home directory:** When creating an OES eDirectory user using the User Management plugin, home directory creation inside the NSS volume fails.
- ♦ **Setting object value:** For a newly created NSS volume, the value for the object `LinuxNCPMountPoint` is neither set by default nor can be set by selecting it from the drop-down list. However, it can be set by manually entering the value.
- ♦ **Browsing folders:** The deep level folders created under an eDirectory object cannot be browsed from the tree view.

## 2.7 iPrint Advanced

- ♦ [Section 2.7.1, “Transfer ID Migration Issue,” on page 17](#)
- ♦ [Section 2.7.2, “Documents with SmartArt Graphics or Tables,” on page 17](#)

### 2.7.1 Transfer ID Migration Issue

After performing transfer ID migration from OES 2018 SP3, 2023, or 23.4 to OES 24.4, the IPP page fails to launch.

To resolve this issue, run the following command:

```
mv /etc/opt/novell/httpd/conf.d/iprint_g.conf /etc/opt/novell/httpd/conf.d/iprint_g.conf.bkp
```

```
ln -sf /etc/opt/novell/iprint/httpd/conf/iprint_g.conf /etc/opt/novell/httpd/conf.d/
```

### 2.7.2 Documents with SmartArt Graphics or Tables

Printing documents with SmartArt graphics or tables may impact the quality of the printout. It is recommended to test the quality of printouts before deploying in a production environment.



# 3 OES Entitlement

This section lists the entitlements for OES customers during the maintenance phase.

- ◆ Advanced Authentication Limited Edition
- ◆ Cluster services 2 node entitlement
- ◆ Filr Standard
- ◆ iPrint Desktop (Appliance)
- ◆ IDM Bundle Edition
- ◆ Micro Focus Kanaka for Mac
- ◆ NetIQ eDirectory: 250,000 users with eDirectory authentication (Deploy them in a separate tree)
- ◆ NetIQ Self Service Password Reset as an indirect entitlement via their IDM BE entitlement
- ◆ SUSE Linux Enterprise Server (For licensed OES users and only general support available)



# A

## Deprecated Components and Services

This section provides information about deprecated features in OES.

### ♦ OES User Rights Map (NURM)

Beginning with OES 24.4, NURM is deprecated and removed from OES.

### ♦ iManager

Beginning with OES 23.4, iManager is deprecated and will not be available from OES 25.4. Unified Management Console (UMC) provides customized access to network administration utilities and content from virtually anywhere using the Internet and a web browser similar to iManager. For more information about UMC, see [Unified Management Console](#).

### ♦ Apple Filing Protocol (AFP)

Beginning with OES 2023, AFP is deprecated. New installations of OES 2023 will not include pattern to install AFP. OpenText offers OES CIFS as an alternative to AFP.

### ♦ Ganglia Module in OES Remote Manager

Beginning with OES 2023, the support for Ganglia is discontinued. Therefore, the [Server Health Values](#) link that was used to monitor the health of the server is no more available in OES Remote Manager.

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**NOTE:** OpenText offers Grafana as an alternative to Ganglia.

---

### ♦ Service Proxy

Beginning with OES 2023, service proxy is being deprecated on a new server in favor of common-proxy and will not be supported in the future releases. If any service is configured with service-specific proxy users in the earlier versions of OES, then an upgrade to the OES 2018 SP1 or later server moves the service to use a common proxy user.

### ♦ NetStorage

Beginning with OES 2023, NetStorage is deprecated. New installations of OES 2023 will not include pattern to install NetStorage.

OpenText offers Filr as an alternative to NetStorage. Although, Filr is a separate product, its Standard version is offered as an entitlement to OES customers. For more information about Filr, see [Filr Overview \(https://www.microfocus.com/en-us/products/filr/overview\)](https://www.microfocus.com/en-us/products/filr/overview)

### ♦ ShadowFS

ShadowFS uses FUSE to create a local mount point for merged view of each DST shadow volume pair. Beginning with OES 2023, ShadowFS support is being deprecated and will not be supported. If you are using or taking advantage of ShadowFS, then request you to email us at [oes@microfocus.com](mailto:oes@microfocus.com)

#### ◆ iFolder

Beginning with OES 2018, iFolder is deprecated. New installations of OES 2018 will not include pattern to install iFolder.

If you are upgrading to OES 2018 or later from an OES 2015 SP1 or earlier server that includes iFolder, the package will not be accessible on the OES 2018 or later server. However, the iManager plug-in is still available post upgrade, and you can use them to manage servers prior to OES 2018.

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**NOTE:** OpenText offers Filr Standard as an alternative to iFolder.

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#### ◆ Novell Samba

Beginning with OES 2018 SP1, Novell Samba is deprecated. New installations of OES 2018 SP1 will not include pattern to install Novell Samba.

If you are upgrading to OES 2018 SP1 from an earlier OES version that includes Novell Samba, the package and configuration will be removed during the upgrade process. It is recommended to install and use Novell CIFS to access the data that was earlier accessed from Samba shares. For more information, see [Understanding the Implications of Novell Samba Currently Installed on the Server](#) in the [OES 2018 SP3: Installation Guide](#).

#### ◆ Service Migration

Beginning with OES 2018, service migration from supported OES platforms to latest OES platform is no longer supported except for the following services:

- ◆ iPrint
- ◆ File system data
- ◆ Transfer ID

Beginning with OES 2023, building and bundling of the unsupported service plugins are also discontinued.

#### ◆ Archive and Version Service (AV) and QuickFinder

Beginning with OES 2015, Archive and Version Services (AV) and QuickFinder services are deprecated. New installations or upgrade to OES 2015 and later will not include patterns to install these components.

If you are upgrading to OES 2015 or later from an OES 11 SP3 or earlier server that includes the Archive and Versioning Services (AV) and QuickFinder, these packages and the associated data will not be accessible on the OES 2015 or later server. However, the iManager plug-ins for AV and QuickFinder are still available post upgrade to OES 2015, OES 2015 SP1, or OES 2018 and you can use them to manage servers prior to OES 2015.

Beginning with OES 2018 SP1, the iManager plug-ins for AV and QuickFinder are obsolete.