

What's New in Open Enterprise Server 2023

Explore the new features and capabilities in Open Enterprise Server 2023.

What's New Over the Last Two Years?

Open Enterprise Server is built on the solid foundation of SUSE Linux Enterprise Server offering secure [file, print, and clustering services](#) for any small to large deployments. Open Enterprise Server 2023 brings many key innovations and enhancements:

Platform Update

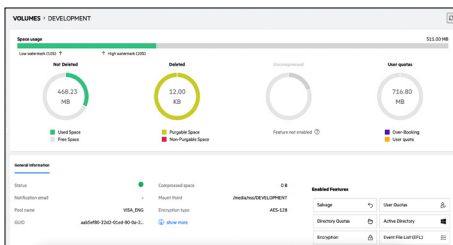
Open Enterprise Server 2023 is built on the more robust SUSE Linux Enterprise Server 15 SP4 for improved stability, reliability, and interoperability. SLES 15 brings in several technological innovations like unified installer, advanced security, system roles, and more. The [SLES 15 SP4 release notes](#) is a good read to learn more about the changes.

Also included in this release is the latest [eDirectory 9.2.7](#).

Administration

UNIFIED MANAGEMENT CONSOLE

We are launching the all-new **Unified Management Console (or UMC)** to manage storage services in this release and end-to-end file and print management in the future.



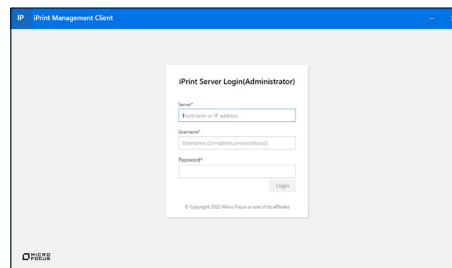
UMC provides:

- **Highly responsive UI/UX.** Designed by the experts and built on modern technology stack for ease of deployment and debug-ability. Includes support for localization and accessibility

- **Simplified management.** End-to-end workflows allow for starting a task and finishing it within the same tool, unlike on OES 2018 where you need multiple tools to achieve a task. It also supports managing multiple servers simultaneously. The clearly laid out dashboard provides storage insights
- **Secure platform.** Access to the tool is protected with a token-based authentication system
- **Hybrid management** Manage storage services backed by eDirectory or Active Directory from a single tool
- **REST-based core service.** Centralized REST server provides functions required by UMC and for customization

iPrint Printer Driver and Profile Management Tool

The iPrint driver and profile management tool is a browser-independent Windows application that allows the managing of printer drivers for Windows and macOS as well as profile management for Windows. It is built using existing iPrint server APIs allowing for managing older systems.



Security

While security is at the core of building any enterprise platform the recent geographical development has only reinforced the need for security.

TLS 1.3, LDAPs, and HTTPS

TLS 1.3 is the latest version of the security protocol used in most network communication. TLS 1.3, LDAPs, and HTTPS are enabled by default on all applicable interfaces on Open Enterprise Server 2023. Please note that eDirectory will only support TLS 1.2.

SMB Encryption

Open Enterprise Server now supports the recently introduced more secure and faster AES-256-GCM and AES-256-CCM in addition to the AES-128-CCM and AES-128-GCM cryptographic suites for SMB encryption.

SMB Pre-Authentication Integrity

With added support for SMB 3.1.1, Open Enterprise Server 2023 can now detect and prevent intercepting attacks that attempt to downgrade the client-server negotiated protocol or capabilities. SMB 1.0 proven to be less secure is also disabled by default.

Other Key Features

In addition to the advancements in platform, administration, and security, Open Enterprise Server 2023 also includes:

SMB Compression

The recently updated SMB specification allows for the compression of files as they transfer over the network. The file compression capability is transparent to the user or application and helps optimize network bandwidth usage.

SMB Multichannel

SMB Multichannel enables the server to use multiple network connections simultaneously for improved fault tolerance and throughput.

Long Path Support in Client for OES

In this release, the hard-wired path limits in the Client for OES are removed to allow for

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managing files under deeply nested levels beyond 256-characters.

Cloud Integrated Storage (CIS)

CIS allows for effective management of storage requirements by offloading unused or less frequently accessed data to the cloud. End users' access to the data is location transparent. In this release, the CIS deployment now supports extending nodes in infrastructure cluster for improved disaster recovery and horizontal scaling experience. A new algorithm has been employed in the recall agent for improved download performance with large or large number of small files.

Thin Provisioning with vSAN Storage

Open Enterprise Server 2023 is certified with support for thin provisioning on vSAN virtualized storage. Thin provisioning allows for accurate reporting of storage utilization to help you better plan your storage cost estimates.

Did You Know?

Visit the [Open Enterprise Server product page](#).

Please join the monthly [product update webinar](#) to learn more about the Open Enterprise Server 2023 release and subsequent releases.