



## RELEASE NOTES

# CTERA Portal 8.4.4000.23

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## CTERA PORTAL 8.4.4000.23

CTERA Portal 8.4.4000.23 is released as a EA version.

The CTERA Portal is an enterprise file services delivery platform comprising a multi-cloud Global File System as well as multi-tenant management of CTERA Edge Filers and CTERA Drive Share and Drive Protect clients.

This chapter contains the following topics:

- [Licensing CTERA Portal](#)
- [Security Considerations](#)
- [Installing or Upgrading CTERA Portal](#)
- [Branding Considerations](#)
- [Checking the CTERA Portal Cloud File System \(FSCK\)](#)
- [What's New](#)

### LICENSING CTERA PORTAL

A *Cloud Drive Connect* license is available which is a subset of the existing full license for users who do not need to collaborate on shared documents and folders with other users, for mobile users, and for zero-minute disaster recovery.

### SECURITY CONSIDERATIONS

CTERA Networks Ltd. is constantly looking at ways to improve security, for example by resolving external threats. CTERA recommends using the latest portal image as many of the security fixes require upgrading the portal image as well as the software.

### INSTALLING OR UPGRADING CTERA PORTAL

**Note:** You can upgrade to a new 8.4.x version from any version starting from 8.2.1500.58.

For full installation details, refer to your environment under [Installing a CTERA Portal](#).

**Warning:** Before changing the IP address for the portal server instance you must wait until all the portal services, such as Nomad and Consul, have loaded. Loading the portal services take at least 5 minutes.

## Upgrading the CTERA Portal

**Warning:** CTERA Portal 8.4.4000.x requires two networks to support both internal and external IP addresses for servers. This division increases security. Upgrading a portal to this version requires adding another network and configuring the portal for this second network.

Both the CTERA Portal image and software on all portal servers can be upgraded as described in [Upgrading a CTERA Portal](#). Upgrading the portal image also upgrades the portal software. After upgrading the portal image on every server in the cluster, you must reboot every server in the CTERA Portal environment.

### Pre-upgrade Requirements

If SHA-1 certificates are in use, they must be replaced with SHA-2-based signatures before starting the upgrade.

You can only upgrade from CTERA Portal version 8.2.1500.64 or later.

You cannot upgrade the portal while running a storage node migration.

**Each server must have two network interfaces for external and internal interfaces, to upgrade to this version.**

### General Considerations

If you are using the Thumbnails service, after upgrading the portal, from the latest 8.2.x version (or at least from 8.2.1500.58), you must disable and then re-enable the service.

After the first server boot at the end of the upgrade, portal components are loaded on to the data pool. Only after these components have successfully been loaded will the user interface become available.

### Storage nodes Considerations

**You cannot upgrade the portal while running a storage node migration.**

Some storage nodes have been deprecated. If one of these storage nodes are being used, the upgrade stops with an error message.

The storage node names have been changed. The upgrade includes updating the names in the user interface.

## BRANDING CONSIDERATIONS

CTERA recommends branding the portal using the Palette Generator. The CSS files generated can then be incorporated in the branded skin.

Refer to the [CTERA Software Branding Guide](#) for more details. Contact CTERA support for help branding your portal.

## CHECKING THE CTERA PORTAL CLOUD FILE SYSTEM (FSCK)

In order to check the consistency between the CTERA Portal database and the actual data in the storage node, CTERA has a utility, FSCK, similar to the Linux FSCK utility. CTERA FSCK **must** be run only with approval from CTERA support.

## WHAT'S NEW

CTERA Portal version 8.4.x is first released with version 8.4.4000.23 and includes a number of new features. See [What's New in CTERA Portal Version 8.4.x](#).

### Infrastructure Improvements

#### Improved Monitoring of the Kafka Service

A new retention policy framework for Kafka-based event streams provides administrators with fine-grained control over data durability and lifecycle management at the messaging layer, supporting long-term observability and compliance requirements.

#### ESXi Deployment

The ESXi OVA now includes the ability to specify two networks, one (eth0) used for external communication and the other for internal communication.

### Global Administration

#### n8n Integration

The CTERA Portal can now integrate with n8n, an open-source workflow automation tool. This integration enables customers to build multi-step AI workflows to automate processes that can enrich files and trigger actions based on content.

#### Restructured Navigation Panel

The navigation panel has been changed to be more intuitive.

#### Additional Roles and Permissions

A new role, **Archive Operator** enables managing content that has been archived.

The following permissions have been added to the available permissions:

- **Manage Data Archive** – Allows administrators to archive data by moving inactive data to secondary storage.
- **Edge Filers Management** – Allows administrators to select and manage which edge filers are assigned to specific shares.

## Continued Improvements to the Look and Feel

Additional improvements to standardize the look and feel.

## Team Administration

### Share Management

Centralized Share Management introduces a new portal interface for creating and managing shares directly from the CTERA Portal. Administrators can create, edit, and delete cloud shares directly from the Portal, automatically synchronizing configurations across multiple Edge Filers with real-time validation, conflict prevention, and visibility into per device share status.

### Fusion Direct

CTERA Fusion Direct unifies file and object storage. Data can be accessed as files through SMB or NFS and as objects through S3, allowing users, applications, and modern data processing environments to work with the same datasets. Fusion Direct simplifies infrastructure while enabling flexible access to data for collaboration, analytics, and data-driven workloads.

### CTERA Archive

CTERA Archive enables organizations to seamlessly move inactive data from primary storage into cost efficient Archive Cloud Folders while keeping it accessible by CTERA services and as metadata. Centralized retention policies, quotas, and dedicated archive roles ensure compliant long-term preservation and controlled restoration of historical data at scale.

### Additional Roles and Permissions

A new role, **Archive Operator**, for both administrators and end users, enables managing content that has been archived.

## Continued Improvements to the Look and Feel

Additional improvements to standardize the look and feel.

## End User Portal

### Advanced Search

Centralized Share Management introduces a new portal interface for creating and managing shares directly from the CTERA Portal. Administrators can create, edit, and delete cloud shares directly from the Portal, automatically synchronizing configurations across multiple Edge Filers with realtime validation, conflict prevention, and visibility into per device share status.

### Additional New Features

ID Number	Description
SP-28682, SP-28683	Improved security, including resolving CVE-2024-52046 and CVE-2025-41232.

### Resolved Issues

ID Number	Description
PIM-6318	In portal version, 8.2.1500.62.2, if the storage node went offline, after the storage node was reconnected, syncing with the portal was stopped until syncing was suspended and then unsuspending.  This issue was fixed in 8.3.x and only applies when upgrading from 8.2.x.
PIM-6827	A <code>LazyInitializationException</code> exception was issued and the portal notifications mailing queue failed.
PIM-6923	Portal startup on portal version 8.3.x was very slow.
PIM-7331	CTERA Fusion Gateway failed when the head-object included directories.  This issue was fixed in 8.3.3300.40 and only applies when upgrading from 8.2.x or 8.3.3000.x.
PIM-7549	The <code>export-folder</code> CLI could not be executed on portal version 8.3.x.
SP-25214	Content for virtual portal cloud storage and users system status graphs were not always presented.
SP-28758	Fetching users did not work with Entra ID Domain Services in all regions and Active Directory 2025.  This issue was fixed in 8.3.3300.20 and only applies when upgrading from 8.2.x or 8.3.3000.x.