CTERA PORTAL

Consolidate cloud data management and centrally manage PB-scale global file services for thousands of distributed sites and users.

The CTERA Portal is the main component of the CTERA Enterprise File Services Platform. Within the Portal, IT administrators can manage PB-scale global file services for thousands of distributed sites and users. In addition, they can easily consolidate edge-to-cloud data management across the enterprise, with a single-pane-of-glass administration for remote locations and roaming users.

With CTERA Portal, IT admins have the ultimate flexibility in cloud deployment models. For example, they can choose from any public, private or hybrid cloud infrastructure to meet their specific use cases for optimal cost, efficiency, and compliance.

The CTERA Portal provides a highly secure and isolated multi-tenant environment that allows organizations to run separate programs/services at the department level, so that they can share infrastructure with full data confidentiality. The multi-tenant architecture also empowers service providers to deploy and manage their own services on their own infrastructure.

- Manage PB-scale global file services for thousands of sites and users
- Deploy on any public, private, or hybrid cloud infrastructure
- Unmatched flexibility and control over multi-cloud environment
- Multi-tenant administration scalable to thousands of sites
- Data services ecosystem for content security, analytics, and DevOps automation

The CTERA Portal also provides a DataOps-centric data services platform with an extendable, event-driven microservice framework that can be used for data pipeline orchestration activities such as workflow automation, cyber protection, and data analytics.

CTERA Portal Features

Global Files System

Real-time collaboration among distributed teams accelerates workflows and improves productivity. Using CTERA's Global File System, any number of users can edit, collaborate, and share files as if they were working under one roof. Users can access any file from any location subject to their access rights. Administrators define "zones," which set the unique privileges of each site. These zones can range from a specific folder to the entire corporate file system—no need to define individual file systems and manage data migration and separate copies.

Device Management

Orchestrating and managing unstructured data across thousands of endpoints and remote offices across multiple clouds, the CTERA Portal provides comprehensive insight and control over organizational data from a single console. It aggregates and audits every aspect of worldwide file storage, sharing, and access across the enterprise, eliminating Shadow IT and strengthening data governance.
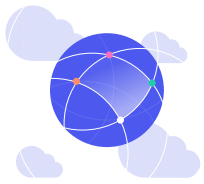
Multi-Cloud

The CTERA Portal manages petabyte-scale global file services for thousands of distributed sites and users with elastic multi-cloud scaling. CTERA Portal software can be deployed on-premises (private cloud) or as a virtual private cloud (VPC) in an IaaS environment. CTERA works with all major cloud infrastructure providers, including AWS, Microsoft Azure, IBM Cloud, Dell-EMC, HPE, Wasabi, and others. Simple API-based integration with identity management, antivirus, data governance, automation, and mobility tools ensures zero disruption to existing ecosystems.

Multi-Tenant

A highly secure and isolated multi-tenant environment allows organizations to run separate programs/services at the department level to share infrastructure with complete data confidentiality. The multi-tenant architecture also empowers service providers to deploy and manage their own services on their own infrastructure.

Migration

Easy-to-use data migration tools enable enterprises to scope data assets and move data seamlessly across different cloud and NAS storage systems without any system downtime or end user interruption. Preservation of Windows NT ACL permissions enables IT admins to replicate file structure from legacy file system to CTERA quickly and efficiently.
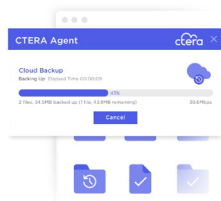
Automation

With the DevOps SDK, you can automate the provisioning of new user and data protection services with pre-defined service plans as part of your IT-as-a-Service transformation. CTERA's API integrations with leading service automation, service catalog, and marketplace platforms make it easy to request, provision, chargeback, and support enterprise file services without manual service administration overhead.

CTERA Portal+ Additional Features

Advanced Security API

The Advanced Security API provides connectors for third-party antivirus solutions, Varonis Data Security Platform, and KMIP (Key Management Interoperability Protocol).

With the Antivirus connector, the CTERA Portal+ can integrate with antivirus vendors through the ICAP protocol to ensure data protection by automatically and transparently scanning files before being downloaded from the Portal.

The Varonis integration with CTERA enhances the centralized visibility of organizational files from edge to cloud. The Varonis Data Security Platform detects and responds to threats bypassing traditional perimeter security. Machine learning algorithms automatically detect and alert on abnormal user behaviors that indicate potential compromise by threats such as ransomware and trigger responses to mitigate any possible damage.
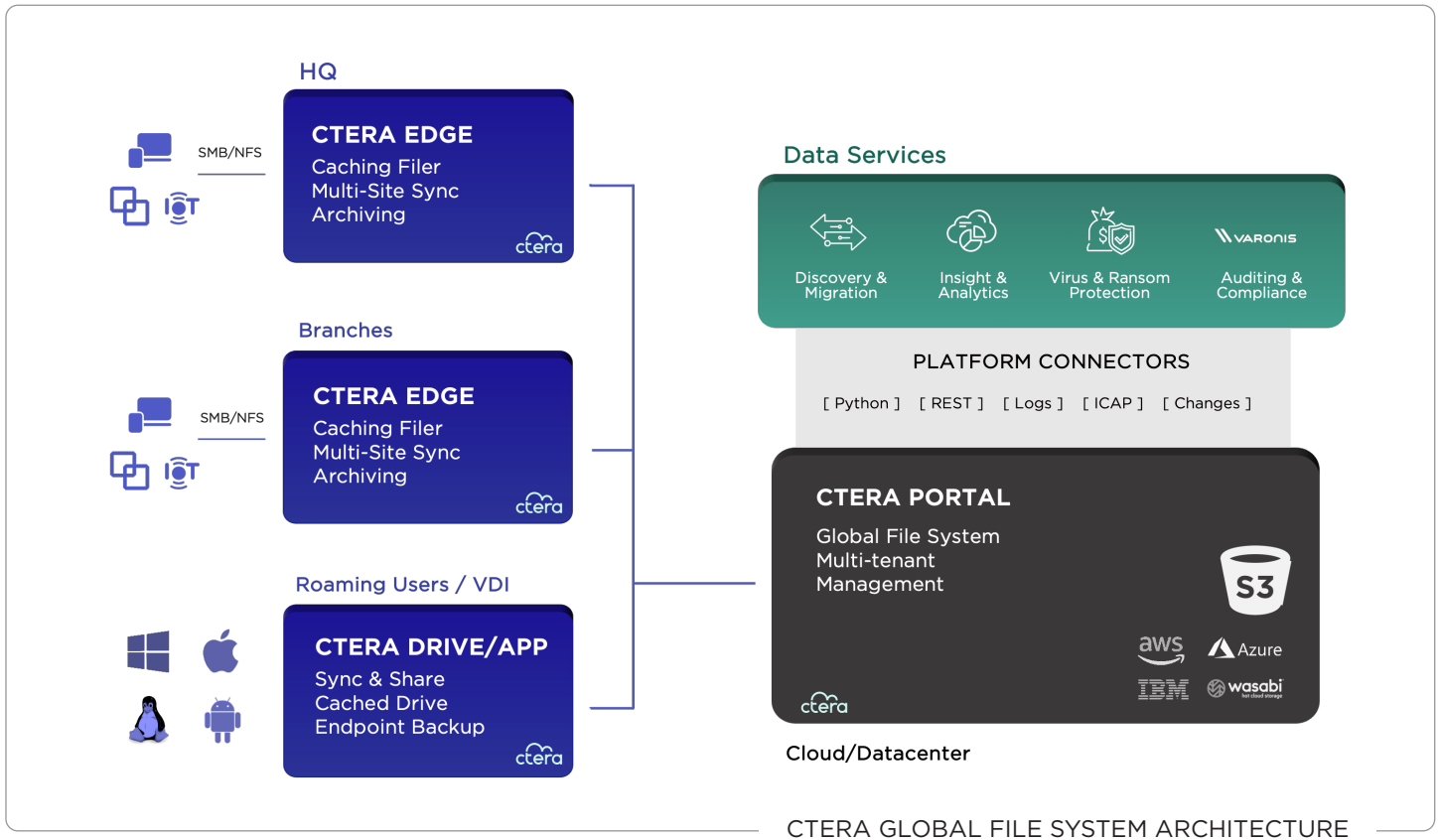
The KMIP connector allows for storage and maintenance of encryption keys on certified third-party platforms.

Content Services API

The Content Services API provides a connector for CTERA Insight, which provides enterprises with comprehensive, real-time health monitoring and analysis of data storage and management activities across the organization. Fully integrated with the CTERA Enterprise File Services Platform, CTERA Insight offers a consolidated dashboard for monitoring organizational data, as well as CTERA Edge Filers, in real-time.

Military Certifications

For enterprises that require military-grade security, the CTERA Portal+ cryptographic modules have been FIPS 140-2 certified and are officially listed on the Department of Defense Information Network (DoDIN) Approved Products List (APL).

your files.
your cloud.

HQ

SMB/NFS

CTERA EDGE
Caching Filer
Multi-Site Sync
Archiving

Branches

SMB/NFS

CTERA EDGE
Caching Filer
Multi-Site Sync
Archiving

Roaming Users / VDI

CTERA DRIVE/APP
Sync & Share
Cached Drive
Endpoint Backup

Data Services

Discovery & Migration | Insight & Analytics | Virus & Ransom Protection | VARONIS Auditing & Compliance

PLATFORM CONNECTORS

[Python]   [REST]   [Logs]   [ICAP]   [Changes]

CTERA PORTAL
Global File System
Multi-tenant
Management

S3

aws   Azure
IBM   wasabi hot cloud storage

Cloud/Datacenter

CTERA GLOBAL FILE SYSTEM ARCHITECTURE

	CTERA Portal	CTERA Portal+
Filers	CTERA Edge	CTERA Edge
Endpoints	CTERA Drive	CTERA Drive
Global File System	✅	✅
Device Management	✅	✅
Multi-Cloud	✅	✅
Multi-Tenant	✅	✅
Migration	CTERA Migrate	CTERA Migrate
Automation	DevOps SDK	DevOps SDK
Advanced Security API		✅
Content Services API		✅
Military Certifications		✅