



# CTERA Branch Storage Modernization

## All-in-One Remote Office Storage, File Collaboration, and Backup Solution

- Replace legacy file servers/NAS, DR solutions, and collaboration tools with a turnkey edge filer
- Enjoy fast, local access to cloud-based files from any office or endpoint device
- Collaborate across global offices and improve user productivity
- Dramatically reduce TCO of ROBO file storage with cloud caching and tiering
- Connect to the private, virtual private or public cloud infrastructure of your choice
- Scale to 1,000s of sites while lowering IT overhead through centralized management



Cross-site collaboration



PB-scale cloud tiering with local file stubbing



Complete privacy and security



Central management of thousands of offices and endpoints



High performance CIFS/NFS



Data migration tools for rapid deployment

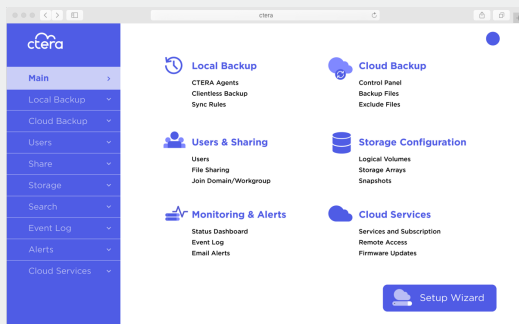
CTERA modernizes remote office / branch office (ROBO) IT with a powerful and comprehensive platform for file storage, content collaboration, and data tiering that spans on-premises and cloud infrastructures.

CTERA Edge Filers replace aging file servers and NAS with a powerful, cloud-native solution offering modern collaboration, elastic scaling, and significant cost savings. The filers bridge network latency with caching for high performance at the edge, provide end-to-end encryption, and support any public, private, hybrid, or multi-cloud environment. CTERA's scalable platform supports any number of remote locations, and its WAN-optimized transport protocol ensures secure data transfer across widely distributed organizations.

## CTERA ROBO Solution Features

### All-in-One Storage, Collaboration and Backup

- A turnkey appliance for branch storage, file server/NAS, and file sharing and collaboration
- Local edge capacities of up to 96TB with high-speed access to an unlimited number of global namespace files
- Wide-ranging optionality for physical, virtual, and hyperconverged filers to support any enterprise ROBO requirement
- Transparent archiving and tiering to the cloud using advanced caching technology



### Centralized Management and Governance

- Remote data access and appliance administration from anywhere via the cloud
- Central management and monitoring to eliminate remote IT staffing needs
- APIs and integrations to enforce data protection policies: EMM, DLP, AV, and many more
- Multi-tenant, scalable management with templates and hierarchical administration

### End-to-End Security and Privacy

- Source-based AES 256-bit data encryption from the endpoint to the cloud, with private encryption keys
- In-transit encryption using TLS
- Password policy management
- Integrates with Active Directory/LDAP and SSO services

Company (Optional):

Role:

Status:

Language:

### Throughput Control

Do not throttle

Throttle the internet bandwidth usage

Limit outgoing bandwidth to:  Kbit/sec

During these hours:  -

### Cost-Efficient and WAN-Optimized

- Source-based global de-duplication greatly reduces WAN traffic and storage requirements
- Caching technology reduces edge storage requirements
- Automated resumption of interrupted file transfer facilitates large file transfer
- Configurable bandwidth throttling

### Choose Your Private or Virtual Private Cloud

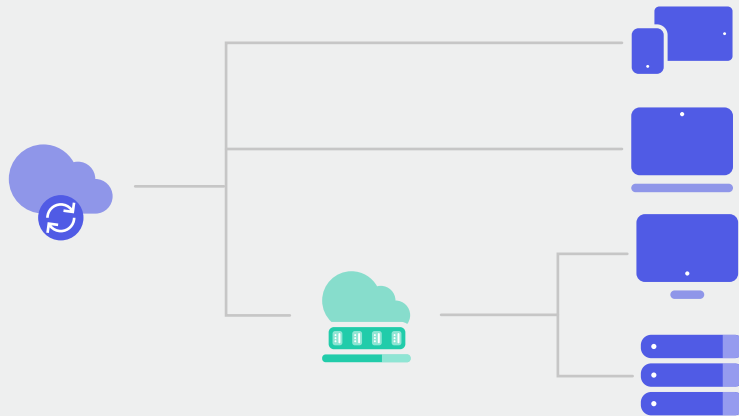
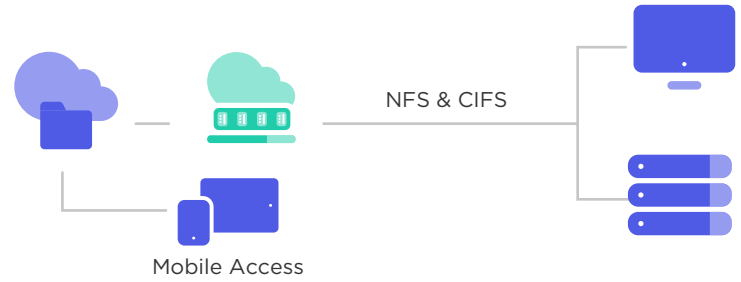
- Supports all leading private and public cloud providers
- Leverages your existing infrastructure
- No cloud or storage vendor lock-in
- Universal support for ACLs, enabling simple migration of legacy file systems



## Branch Office Use Cases

### ROBO File Server

- Replace legacy siloed file servers with cloud-integrated, centrally-managed appliances
- Future-proof against unstructured data growth with any cloud object storage backend
- Right-size for every remote site with edge filer capacities ranging from 8TB to 96 TB raw

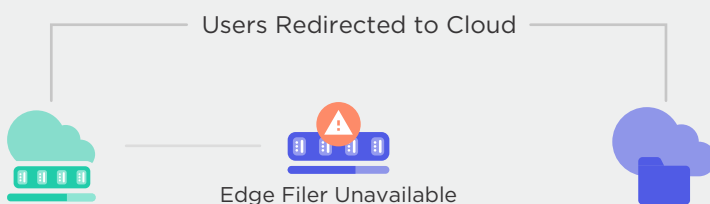


### Cross-Site Collaboration

- Enable easy user file sharing and collaboration across offices
- Collaborate on cloud-based files locally via intelligent caching technology
- Optimize employee file access both in and out of the office
- Sync folders for simple, efficient content distribution – software updates, critical business documents, etc.

### Data Tiering and Archiving

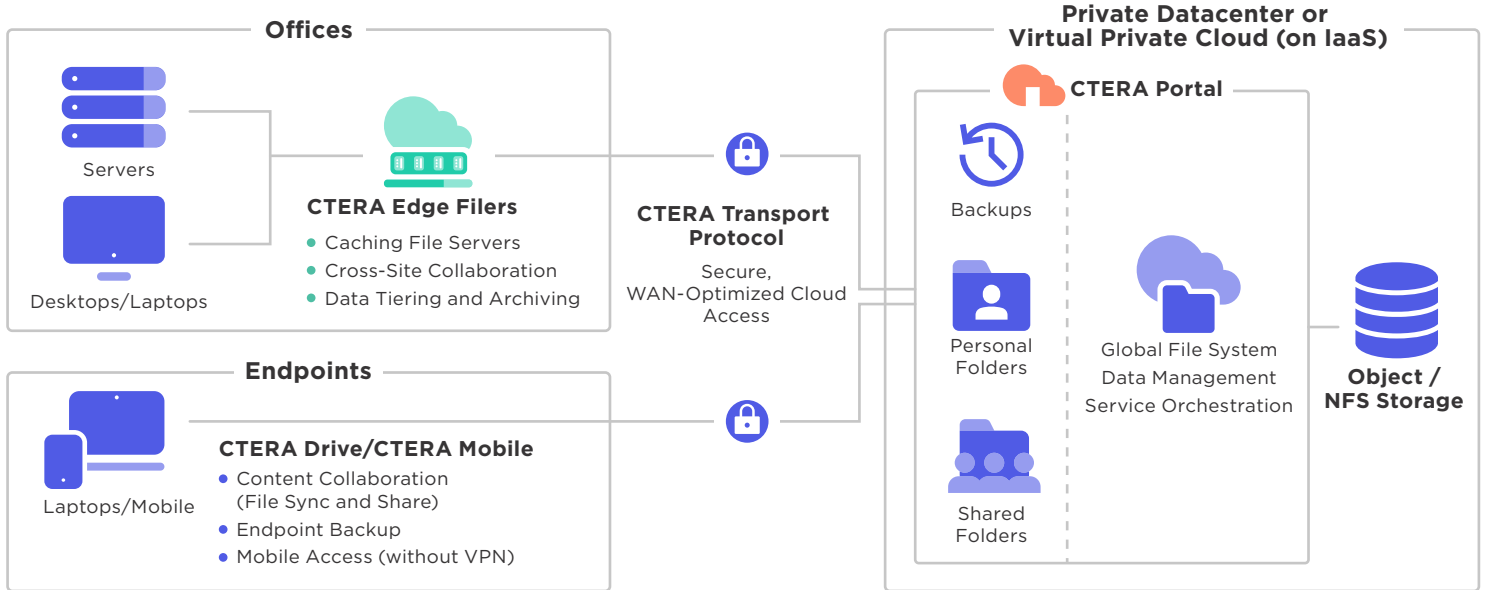
- Tier file data to low-cost cloud object storage while preserving high edge performance through local caching
- Migrate archived files to cloud object storage; maintain local visibility through stub files (metadata)






### Zero-Minute Disaster Recovery

- Redirect users to secure direct-to-cloud file access in the event of a Edge Filer outage, ensuring uninterrupted productivity
- Enforce user ACLs from Edge Filer in cloud with existing folder structures
- Avoid expensive on-site failover/replacement hardware – save \$1,000s per office

## Architecture



## CTERA Edge Filer Models

	 <b>H Series</b>	 <b>X Series</b>	 <b>V Series</b>
<b>Form Factor</b>	1U or 2U Physical Appliance	2 x 2U Hyperconverged Appliance	Virtual Appliance
<b>Edge Capacity</b>	16 to 128 TB raw (SATA/SSD)	24 to 40 TB raw (SSD)	16 to 128TB raw
<b>Rec. # of Users</b>	Up to 3,000	Up to 5,000	Up to 5,000
<b>Max. Memory</b>	64 GB	192 GB	-

### Edge

- File Access Protocols: SMB, NFS, Web, rsync
- Hypervisor: VMware ESXi
- Local Optimization: in-line deduplication and compression
- Local High Availability: synchronous replication and failover
- User Authentication: Active Directory

### Cloud

- Continuous asynchronization cloud and multi-site replication
- Accelerated desktop and mobile file sync & share
- User-defined caching and data tiering policies
- Cloud failover for offsite disaster recovery
- Bandwidth efficient global deduplication and throttling
- Configurable retention policy for file versioning and snapshots
- Cloud seeding for shipping and uploading of initial replica

### Security

- Encryption: volume-level, in-transit (TLS 1.2) & in-cloud (AES-256)
- 100% private cloud option
- Private encryption keys
- DLP and antivirus integration

### Management

- Multi-tenant administration
- Scalable to thousands of sites
- Group policies and service plans
- Central auditing and monitoring
- Remote access and firmware upgrades