your files.
your cloud.

CTERA HC1200

Powerful Edge Filers for ROBO IT

PB-Scale
Cloud Tiering

0-Min
Cloud DR

Up to 96TB
Raw Storage
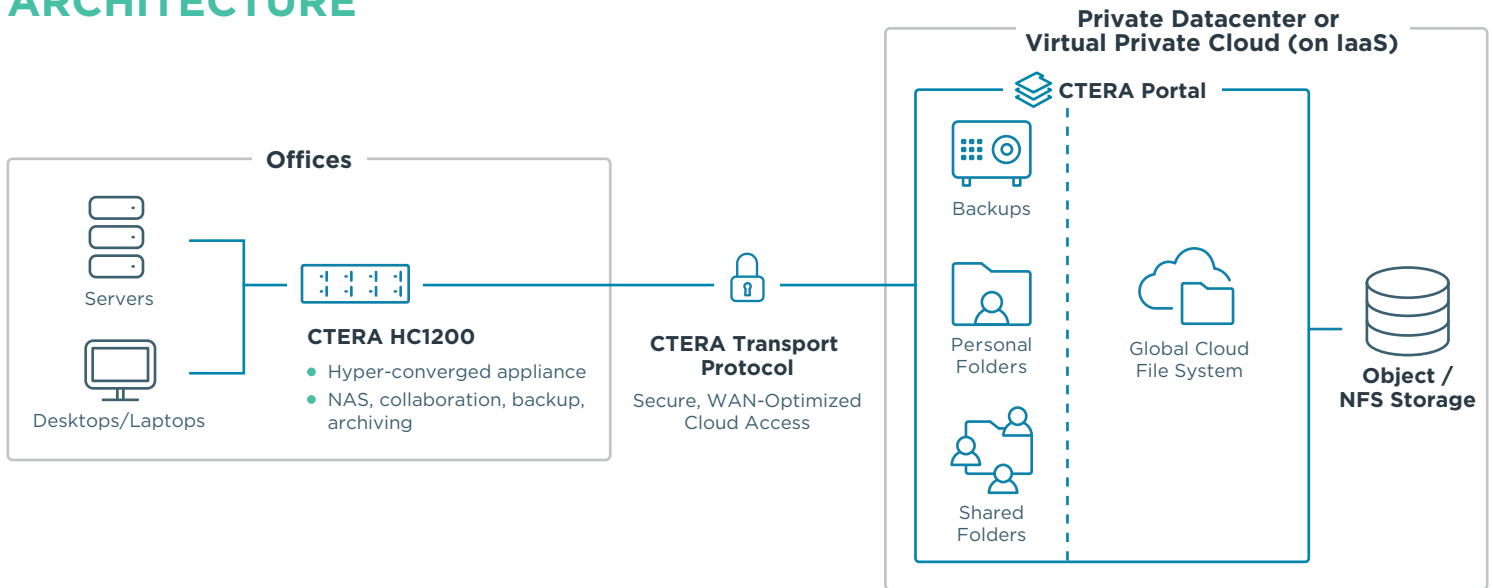
10GbE
CIFS/NFS
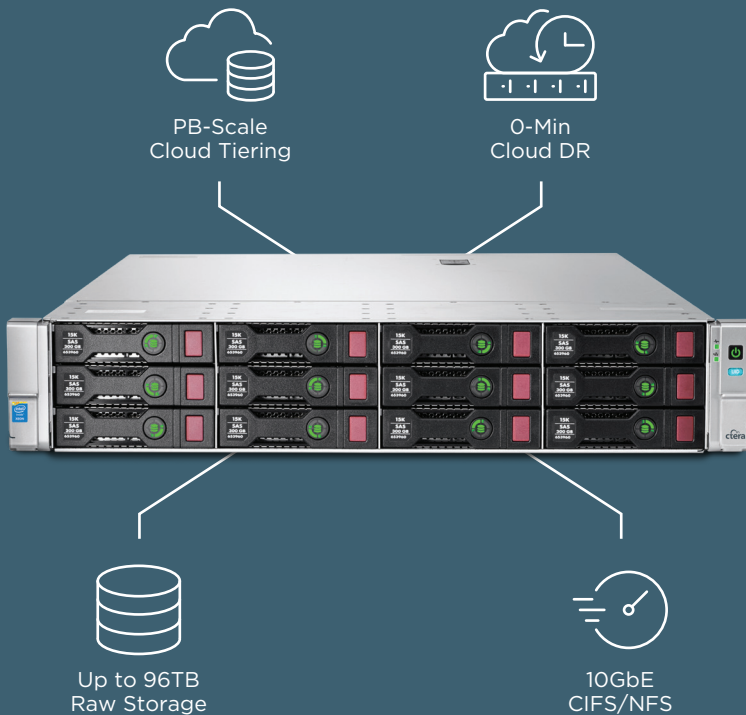
- 12-bay CTERA Edge Filer appliance with up to 96TB raw storage
- PB-scale cloud tiering to any public or private cloud
- Source-based encryption and deduplication
- Hypervisor-enabled with third-party application options
- Enterprise-grade hardware with global support

The CTERA HC1200 Edge filer is a powerful cloud storage gateway that modernizes remote and branch (ROBO) IT infrastructure with an all-in-one appliance for file storage, multi-site content collaboration, and data protection/disaster recovery.

With a local capacity of up to 96TB raw, the CTERA HC1200 is designed to meet the needs of the largest and most demanding enterprise office environments. Its optimized performance supports resource-intensive edge workloads such as media and medical image archiving, large file collaboration, data tiering, and more. CTERA appliances are caching-enabled, providing users local access to an infinite amount of cloud-based files while continuously synchronizing file changes to and from the cloud.

CTERA's scalable platform enables organizations to seamlessly connect any number of CTERA HC1200 appliances to a single namespace that can be managed from a central dashboard. Customers can leverage their own private or virtual private cloud infrastructure, or they can choose to connect to a CTERA-hosted storage service. In addition, the CTERA HC1200 can consolidate a variety of office infrastructure and computing services, allowing organizations to achieve convergence initiatives and reduce hardware footprint.

ARCHITECTURE

Offices

Servers

Desktops/Laptops

CTERA HC1200
- Hyper-converged appliance
- NAS, collaboration, backup, archiving

CTERA Transport Protocol

Secure, WAN-Optimized Cloud Access

Private Datacenter or Virtual Private Cloud (on IaaS)

CTERA Portal

Backups

Personal Folders

Shared Folders

Global Cloud File System

Object / NFS Storage

CTERA HC1200 SPECIFICATIONS

Appliance Configurations

- Local Appliance Capacity: Up to 96TB raw

- Recommended Number of Users: Up to 3,000

- Drive Bays: 12 x 3.5"

- Weight (without hard drives): 20 kg / 44 lbs

- Dimensions: 87.3(H) x 445.5(W) x 730.2(D) mm
  3.44(H) x 17.54(W) x 28.75(D) inch

- Rack Height: 2U

- Dual Redundant Power Supplies

- Max. Power Consumption: 800W

- CPU Model: Intel® Xeon E5-2620v4 Processor Family

- Ethernet: 4 x 1 GbE, 2 x 10 GbE (SFP+ or Copper)

- Compliance: FCC, CE, RoHS, WEEE

- Dedicated disks for the CTERA embedded OS

Appliance Software Features

- Supported File Systems: XFS

- User Authentication: Active Directory

- Data Security: AES-256 at-rest encryption

- Supported Discovery Protocols: UPnP, Bonjour

- File Access Protocols: CIFS/SMB, NFS, AFP, FTP, WebDAV, rsync, iSCSI, CTERA Mobile, CTERA Sync desktop application, web browser

- File Management: Selective file tiering from cloud, user and administrator-defined file cache and sync across offices and endpoint devices. Flexible, configurable retention of thin snapshots across appliance and cloud

- Application-Aware Backup: Microsoft Exchange, SQL Server, SharePoint, Hyper-V and Active Directory

- Permission Management: Supports Windows ACL enforcement at filer and in cloud, quotas, Windows Server data and permission migration tools

- RAID Levels: 6/10

- Appliance Management: Remote access, management and monitoring, firmware upgrades

- Supported Hypervisors: VMWare ESXi (included)

Cloud Service Features

- Retention: Unlimited retention of previous file versions and snapshots

- Caching: All files visible in a global namespace; files cached from any cloud to the filer

- File Sync: Centralized file management, user and admin-level file replication and tiering policies

- Backup Files Security: Source-based AES-256 encryption, SHA-1 fingerprints, optional secret passphrase

- Protocol Security: TLS 1.2

- Efficiency: Incremental-forever appliance backups, data compression, global deduplication with variable block size optimization, bandwidth throttling

- Permission Management: Supports Windows ACL enforcement at filer and in cloud, quotas, Windows Server data and permission migration tools

- Centralized Management: Centralized monitoring, reporting, logging, remote access, configuration change, firmware updates

- Cloud Seeding: Ship and upload first backups to cloud provider for physical transport and fast upload of appliance data to the cloud

- Cloud Failover: Failover synced files, folders, and user access permissions to CTERA remotely-mounted Cloud Drive with zero-minute user access recovery