CTERA HC400

Powerful Edge Filers for ROBO IT

PB-Scale
Cloud Tiering

0-Min
Cloud DR

Infinite File Capacity,
Local Access

High Performance
CIFS/NFS

3rd Party
Applications

- Turnkey appliance with dense and flexible high-performance compute power

- 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 HC400 offers enterprise organizations a turnkey, hyper-converged appliance that modernizes remote and branch office (ROBO) IT infrastructure with an all-in-one appliance for file storage, content collaboration, and backup/DR.

The HC400's 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 the cloud.

CTERA's scalable platform enables organizations to seamlessly connect any number of CTERA hyper-converged appliances to a single namespace that can be managed from a centralized 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 HC400 can consolidate a variety of office infrastructure and computing services, allowing organizations to achieve convergence initiatives and reduce hardware footprint.

ARCHITECTURE
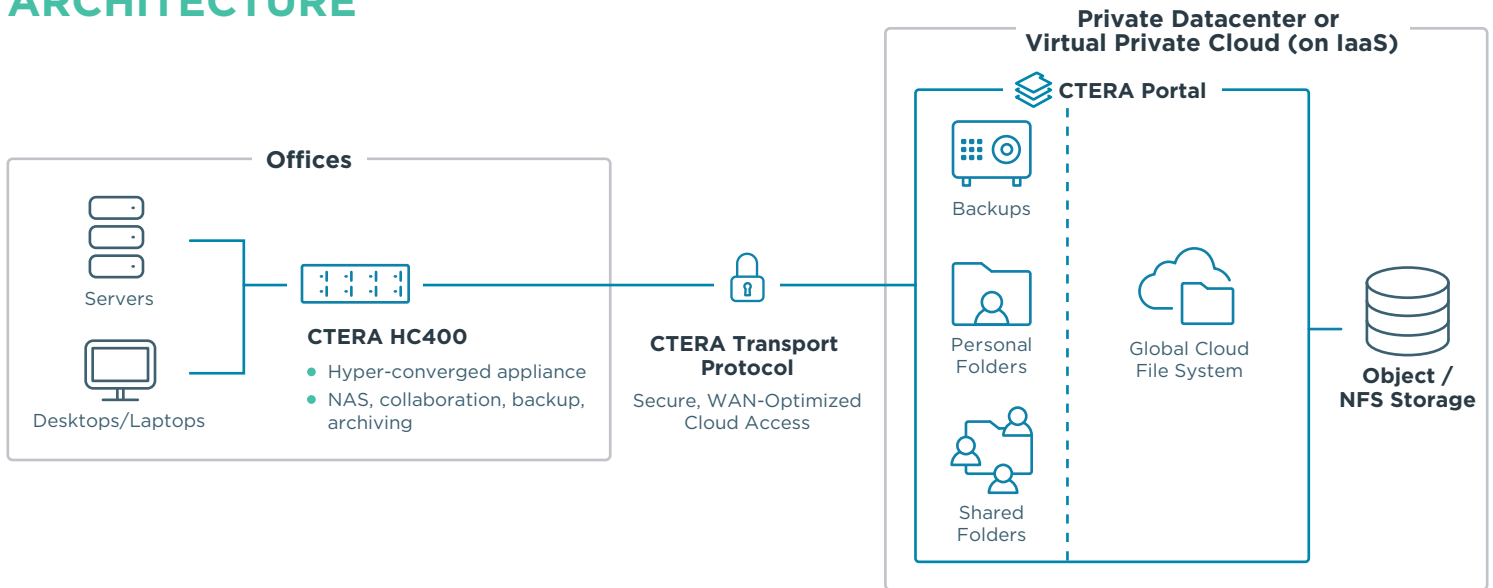
CTERA HC400 SPECIFICATIONS

Appliance Configurations

- Local Appliance Capacity: Up to 32TB raw

- Recommended Number of Users: 1,000

- Drive Bays: 4 x 3.5″

- Weight (without hard drives): 12.25 kg / 27 lbs

- Dimensions: 1.7" (43.2mm) x (H) x 17.1" (434.7mm) (W) x 29.5" (746.7mm) (D)

- Rack Height: 1U

- Dual Redundant Power Supplies

- Max. Power Consumption: 500W

- CPU Model: Intel Xeon E5-2603 v4

- 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: CTERA NEXT3™, XFS

- 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: 5/6

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

- Supported Hypervisors: VMWare ESXi (included)

- User Authentication: Active Directory

- Data Security: AES-256 at-rest encryption

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 (Transport Level Security)

- 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