

# CTERA ENTERPRISE FILE SYNC & SHARE

Securely Enable File-Based Collaboration  
and Mobile User Productivity



- Secure, fully behind-the-firewall alternative to unsanctioned cloud file sharing services
- Consumer-grade ease of use coupled with enterprise-grade IT visibility and control
- Choice of private or public infrastructure, vendor-neutral
- Appliance-based sync for remote and branch offices
- Scalable, integrates with identity management systems
- Delivers full visibility and granular auditing of file access and sharing, facilitating regulatory compliance

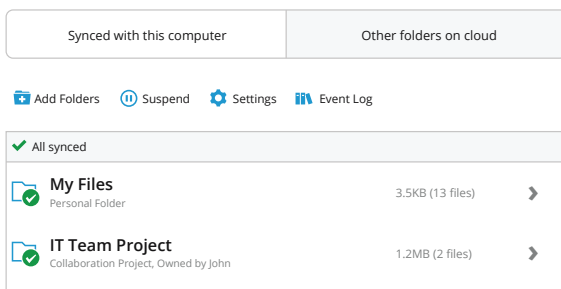
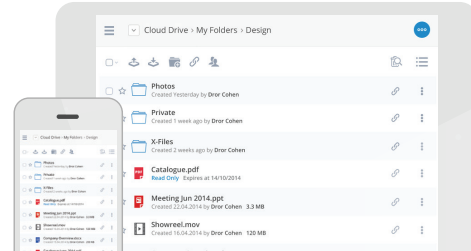
CTERA EFSS is a private, secure, and vendor-neutral solution for file sharing. It gives end-users the ability to synchronize files and folders across all devices and in remote offices, with easy-to-use file sharing and workspaces for team collaboration.

CTERA EFSS can be deployed as a fully private, behind-the-firewall solution in your datacenter, or as a 'virtual private' solution leveraging scalable public cloud infrastructure – always allowing you to retain complete control and ownership of your data.

## BUSINESS USER FEATURES

### Access and Share Files Anywhere

- View and open files on any device using native applications
- Share files and folders externally using date-limited links
- Access previous versions of files
- Easy-to-use apps for iOS, Android, Windows, Mac, and Linux



### Multi-Folder Sync for Local Access

- Synchronize private folders across all your devices
- Select multiple shared workspace folders to synchronize
- No need to copy files to a specific folder or change the way you work

### Shared Workspaces for Teams

- User-managed workspaces, no IT involvement required
- Read/write, read-only and time-limited user access
- Syndicate files to a large audience
- No file size or bandwidth limits

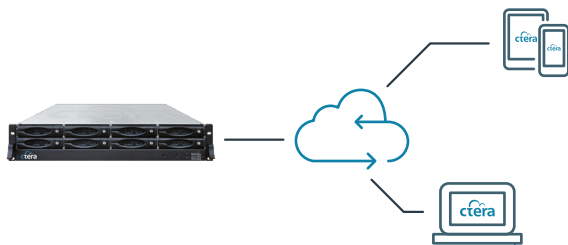
Share the folder Marketing\_Internal

John Doe (Owner)  
Team Member

Jane Smith (Read Only)  
Team Member

Share the folder with more people or groups

Invite by Email address or name

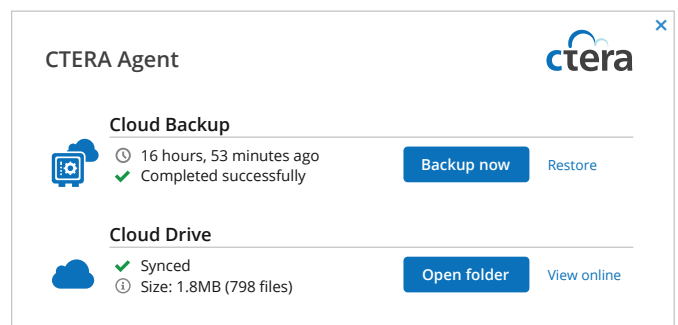


### Appliance-Based Remote Office Sync

- Sync files across remote offices using optional appliance, access using local mapped network drive
- File access privileges maintained per user regardless of their access method and across devices
- Sync files, distribute content between multiple offices

### Integrated Backup from a Single Client

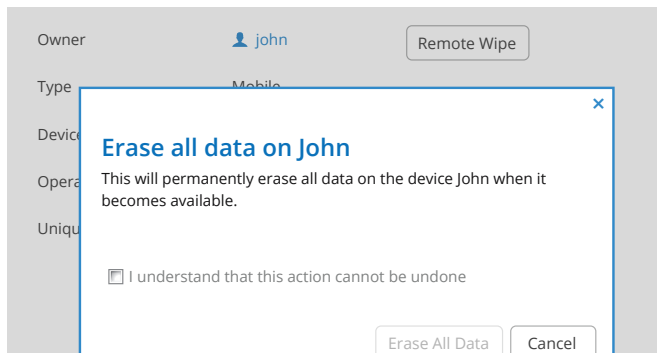
- Highly efficient, incremental and non-intrusive backup
- Retain true snapshots of files, separate from sync'ed folders
- Designate backup folders and automated schedule
- Access backup files using a browser or mobile app



## IT ADMINISTRATOR FEATURES

### Choose Your Private or Virtual Private Cloud

- Supports a variety of object storage and cloud IaaS providers
- Leverages your existing infrastructure
- No cloud or storage vendor lock-in
- Active Directory/LDAP integration for user authentication and single sign-on (SSO)



### End-to-End Security and Privacy

- Source-based AES 256-bit data encryption from the endpoint to the cloud, with private encryption keys
- External two-factor authentication via SMS/email for file sharing
- Internal mutual authentication via smart cards/client certificates
- Set upload policies by file attributes and user group
- Password policy management
- Remote wipe for lost/stolen devices

### Full Visibility into Data Usage

- View all users and devices in a single console
- Customizable alerts on system, security, and access events
- Granular logging and reporting, integration with 3rd party tools
- Integration with data loss prevention (DLP) and enterprise mobility management (EMM) tools

#### Audit

Action	Origin Type	Origin	Date	Portal User	Device
Added	Portal	Office	2015/02/02 02:10:50	john doe	
Modified	Portal	Office	2015/02/02 00:14:38	jane smith	
Deleted	Portal	Office	2015/02/02 16:27:05	dean hanson	

#### Throughput Control

Do not throttle  
 Throttle the internet bandwidth usage

Limit outgoing bandwidth to:  Kbit/sec

During these hours:  -

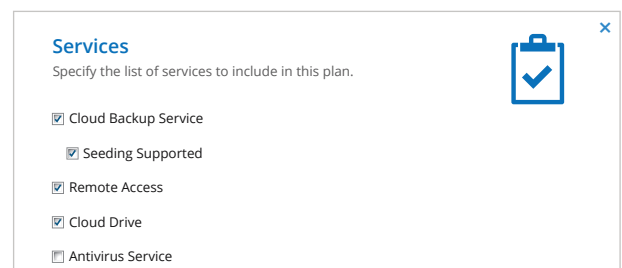
On Days:

### WAN-Optimized and Cost-Efficient

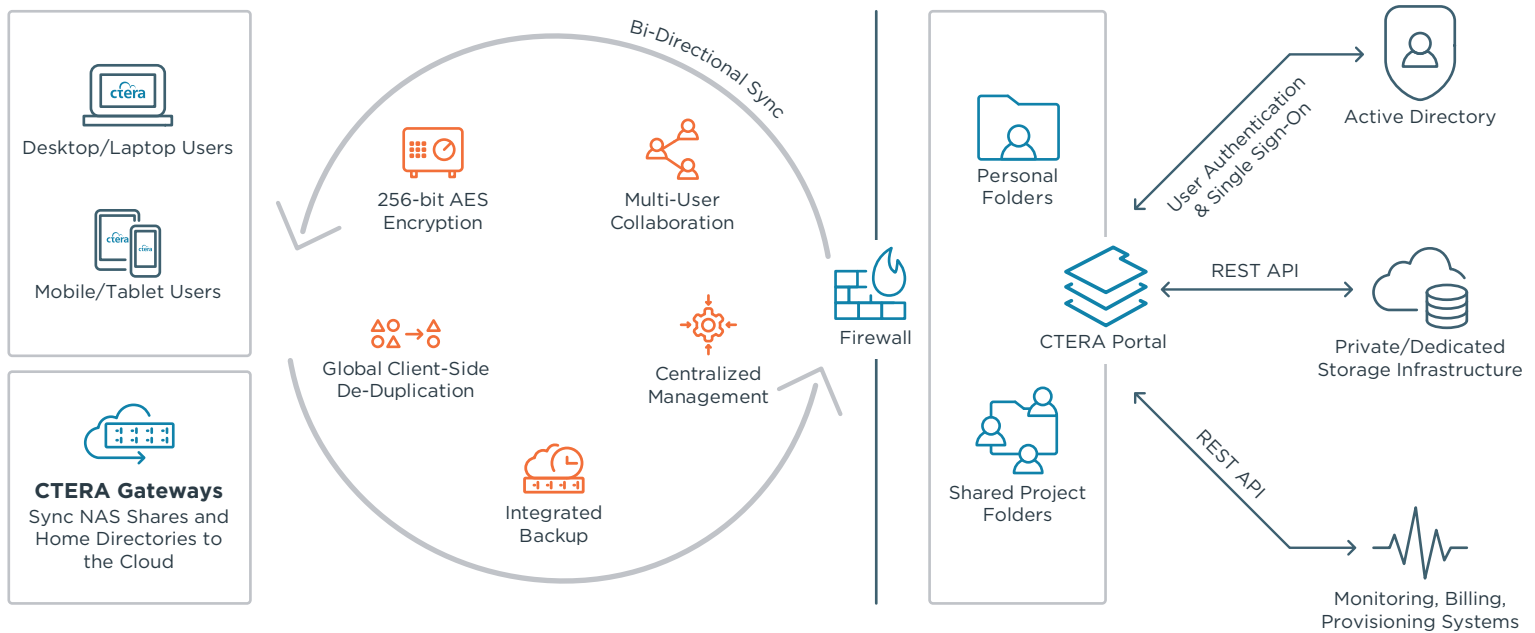
- Source-based global de-duplication greatly reduces WAN traffic and storage requirements
- Automated resumption of interrupted file transfer facilitates large file transfer
- Configurable bandwidth throttling
- External file sharing policies, preview-only shares and watermark capabilities

### Part of CTERA's Cloud Storage Services Platform

- Multiple uses including endpoint and server backup, remote office storage and in-cloud server backup
- Leverage single storage pool for economies of scale
- Reduce IT overhead, software and hardware costs
- Manage multiple tenancies with role-based administration



## ARCHITECTURE



CTERA's solution is deployed fully behind the firewall on private/virtual private infrastructure

## Specifications

### Storage Infrastructure

- Private infrastructure: Caringo CASTor, Cleversafe, Cloudian, DDN WOS, EMC ECS/Isilon, HDS HCP, HGST Active Archive, HP Helion, IBM GPFS, NetApp StorageGRID, OpenStack Swift, Scaloty RING/S3
- Cloud IaaS: Amazon S3, IBM SoftLayer, Microsoft Azure and more

### Supported Devices

- PC agents: Windows XP/Vista/7/8, including multi-profile Windows environments; Mac OS Lion or newer; Linux (multiple distributions)
- Mobile apps: Apple iOS devices (iPhone/iPad), Google Android, Windows Phone 8
- CTERA Cloud Storage Gateways
- Additional authenticated WEBDAV clients

### White Labeling

- Optional rebranding based on CSS, allows complete reskinning of the user interface
- Includes all user touch-points: User web UI, workstation agent UI and mobile app

### Active Directory / LDAP Integration

- Native Active Directory integration, including support for trusts and forest topologies
- Single Sign-On (SSO) using Kerberos or SAML 2.0
- Assign privileges and teams using Active Directory groups

### Granular Auditing

- Configurable logging of system, login, access, backup, sync and file sharing events
- Flexible notification by event type and severity
- External user audit trails for data shared outside corporate domain
- Syslog for integration with SIEM and audit vaults
- Nagios integration for system monitoring

### Additional Integrations

- Parallels APS 1.2/2.0 for automated end-user self-provisioning
- Email and SMS gateways for 2-factor authentication, user notifications and administrator notifications.
- Mobile Device Management, including Mobile Iron, AirWatch, GOOD Technology
- Anti-malware/Anti-virus integration via ICAP standard, including McAfee and Symantec