Trend Micro

CLOUD ONE™ – FILE STORAGE SECURITY

Security for cloud file and object storage services

As cloud infrastructure continues to evolve, cloud-native application architectures have incorporated cloud file/object storage services into their workflow. This introduces a new attack vector vulnerable to malicious files. Trend Micro Cloud One™ – File Storage Security protects your downstream workflows through innovative techniques such as malware scanning, integration into your custom cloud native processes, and broad cloud storage platform support. File Storage Security provides you with peace of mind knowing your data files are not impacting internal systems or external reputation.

Amazon S3

Azure Blob Storage

Google Cloud Storage

KEY CAPABILITIES

**Decrease threat vectors with malware scanning**

- **File reputation:** Block known-bad files with anti-malware signatures

- **Virus detection:** Uncover Trojan, malware, spyware, worms, and other malicious threats—including known ransomware

- **Variant protection:** Look for obfuscated or polymorphic variants of malware via fragments of previously seen malware and detection algorithms

- **Extensive flexibility:** Trusted scanning support for small and large file sizes, alongside document exploit detection for all file types in Microsoft 365 files and objects

- **Advanced intel:** Over 30 years of cyber threat research and experience

Gain flexibility with integration of custom workflows

- Automates file scanning to be triggered whenever new files are uploaded

- Deploys using cloud deployment templates

- Enables workflow integration through serverless functions

- Provides the option to be deployed as a centralized service, managed by a security team

- Scans files in rapid time and provides immediate response

- Does not require a team to administer nor upkeep of rules

Easy-to-adopt implementation options

- Supported on Amazon Simple Storage Services (Amazon S3), Microsoft Azure Blob Storage, and Google Cloud Storage™

- Allows you to choose between a multi-bucket or blob storage promotional model (a scanning storage unit and a quarantine/clean storage unit) or an efficient single-bucket architecture

- Displays results in the File Storage Security dashboard or from within your Amazon CloudWatch, Microsoft Azure Application Insights, or Google Cloud Logging
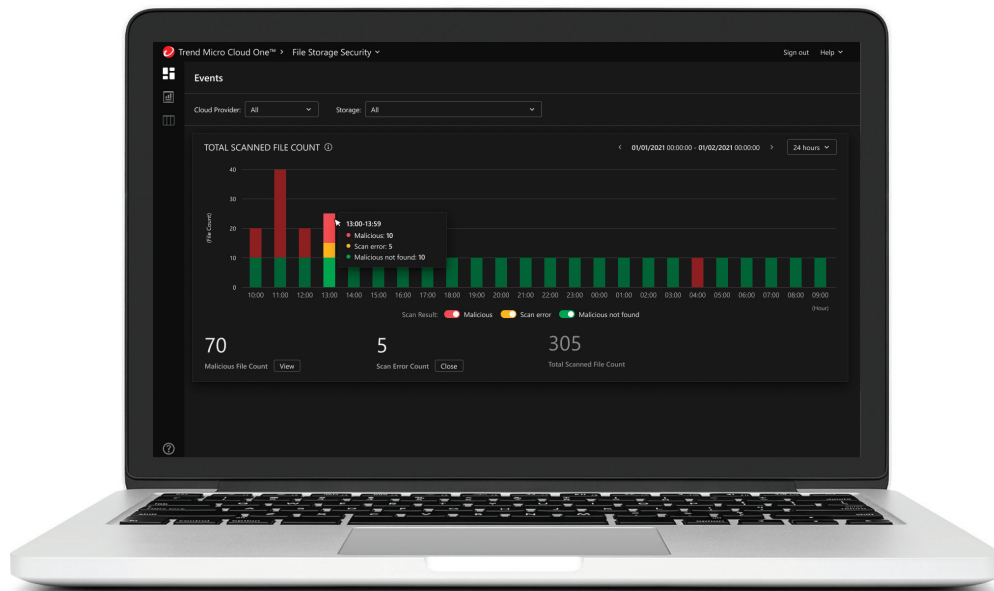
Deploy via management services. Leverage AWS CloudFormation, Azure Resource Manager templates, or Google Cloud Shell to deploy the infrastructure, which includes relevant compute functions engineered to scan files uploaded into existing buckets or blob storages.

Ensures data sovereignty is not compromised. During the scanning process, your files will stay within the scanning bucket and will not be sent outside your cloud accounts. The scan is automated and requires no manual intervention.

Manages scanning requirements of any file type and size. Each scan result will be tagged, allowing you to check on specific files or identify malicious files that are detected and quarantined.

Customizable AWS Lambda or Azure functions. Determine what happens to the file after it is scanned and if the sender or receiver is required to be notified. Learn how to get started at **cloudone.trendmicro.com/docs/file-storage-security/what-is-fss**
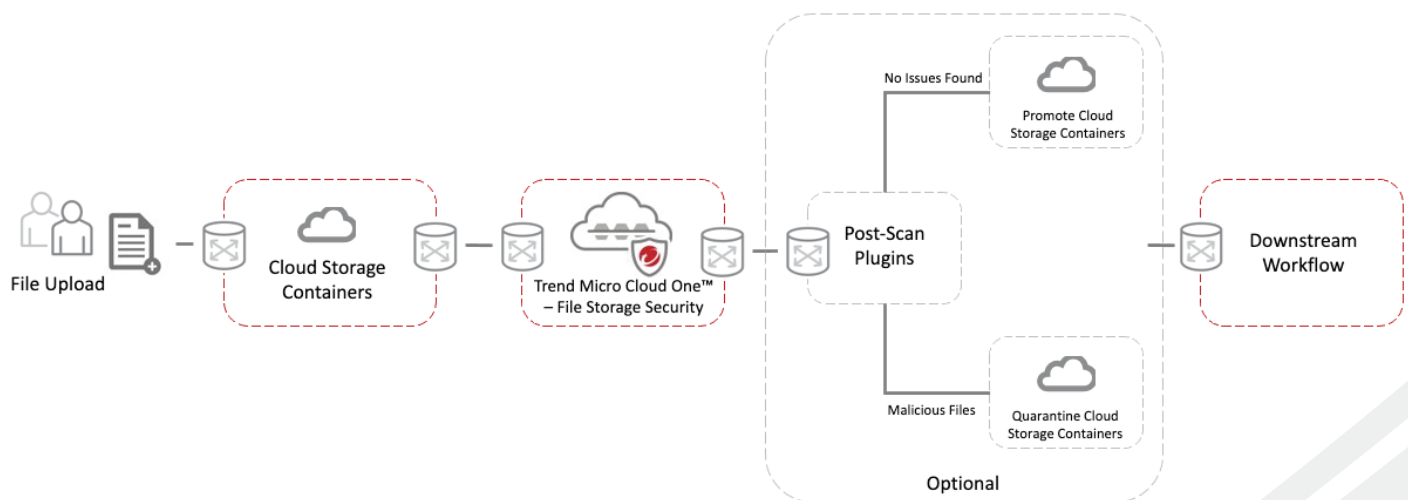
Security fueled by leading global threat research

Our 15 global research centers and 450 internal researchers networked across the world have visibility into the entire global threat landscape. With teams dedicated to cloud and cloud-native applications, we use our wealth of knowledge to strengthen our products and protect against current and future threats.

Meeting your cloud migration and cloud-native application development security needs

Whether you are serving up images and documents to a browser, storing files for distributed access, or conducting file backup and restore operations, File Storage Security has you covered. You'll receive the confidence of knowing your critical files are protected and that they meet organizational compliance requirements for your file storage service workflow.

File Storage Security is part of Trend Micro Cloud One™, a security services platform for organizations building in the cloud. This platform includes:

- **Trend Micro Cloud One™ – Workload Security:** Runtime protection for workloads (virtual, physical, cloud, and containers)

- **Trend Micro Cloud One™ – Container Security:** Image scanning in your build pipeline

- **Trend Micro Cloud One™ – Application Security:** Security for serverless functions, APIs, and applications

- **Trend Micro Cloud One™ – Network Security:** Cloud network layer IPS security

- **Trend Micro Cloud One™ – Conformity:** Cloud security and compliance posture management

- **Trend Micro Cloud One™ - Open Source Security by Snyk:** Visibility and monitoring of open source vulnerabilities and license risks

Securing Your Connected World