

SOLUTION BRIEF

Fortinet and FileOrbis

Enterprise Content Management Integrated With Security

Executive Summary

FileOrbis and Fortinet have partnered to deliver end-to-end data protection that leverages FortiSandbox and FileOrbis technology to enhance security of enterprise content.

Challenge

Today, content is everywhere due to digital transformation. Factors such as working from home, remote office scenarios, a highly distributed workforce, etc., all contribute to business needs to connect to data from different devices that may not be within the business boundaries of office buildings. For this reason, secure and simple content usage and sharing become a critical business challenge.

Employees can use unsafe and uncontrolled platforms to share content. On the other hand, IT departments of companies may have difficulties in maintaining control over all devices and clients due to changing IT infrastructure boundaries.

Joint Solution

FileOrbis and Fortinet have partnered to deliver an industry-leading security solution to address these challenges. The integration of the FileOrbis product and FortiSandbox is enabled through the Fabric-Ready Program in the Fortinet Open Fabric Ecosystem.

FileOrbis is a platform that enables you to manage your existing file system more securely, quickly, and easily. FileOrbis is completely secure and offers multiple levels of data protection. FileOrbis delivers security processing in three stages: preliminary processing, transaction processing, and post-transaction processing. Security steps are included in the preliminary processing for security analysis before files enter the system. All files to be uploaded in the system are received by the preliminary process and passed through security analysis before entering the file system. FortiSandbox is utilized by FileOrbis as part of preliminary processing to enhance security.

FileOrbis submits files to FortiSandbox during the file upload phase. The FileOrbis-FortiSandbox security integration ensures that the files are analyzed with hash first, and based on the result, the entire file is sent to the FortiSandbox for analysis. Based on the analysis, the file is allowed or blocked. The results are recorded, utilized to create reports, and are shown to the end-user for informational purposes.

Joint Solution Components

- FileOrbis
- FortiSandbox

Joint Solution Benefits

- Enhance security via security analysis using FortiSandbox before files enter the file system
- Enable completely secure file systems via sending only file hashes instead of entire content of files
- Leverage the Fortinet Security Fabric for unparalleled security protection



Solution Components

FileOrbis is a consolidating platform that can manage different file environment aspects such as user profile folders, user-specific areas, and network disks. With FileOrbis, you create an access channel for all your file systems and have an integrated management system. FileOrbis does not consider content management only through one perspective such as access, authorization management, file sharing, logging, etc., but helps enterprises at any point in areas pertaining to content management. By integrating with security and content analysis solutions, FileOrbis enables you to run all file environments together and/or in series and more securely and effectively.

FileOrbis is a platform that allows you to access and manage your existing file environments more securely, quickly, and easily. It consolidates all the file environments that your end-users access, onto a single screen, and provides easy file access to the users through this consolidated structure. It facilitates your users' file operations, as well as internal and external sharing. While end-users have a practical and secure workplace, it also increases the manageability of file environments, helping you define special access permissions for users and generate detailed analysis reports.

Top-rated artificial intelligence (AI)-powered FortiSandbox is part of Fortinet's breach protection solution that integrates with the Fortinet Security Fabric platform to address the rapidly evolving and more targeted threats, including ransomware, cryptomalware, and others, across a broad digital attack surface. Specifically, it delivers real-time actionable intelligence through the automation of zero-day advanced malware detection and response.

Solution Integration

FileOrbis is a secure content management platform. Users can upload files, share them with internal and external contacts, and also receive files and folders from third parties.

Application programming interface (API) integration enables FileOrbis to submit files to FortiSandbox during the upload phase. FortiSandbox analyzes the file or folder with the existing security policies and decides if the file is malicious or not. If the file or folder is malicious, then the upload processes will not be successful and a notification will be presented to the end-user indicating that operation was blocked because of the malicious content of the file or folder.

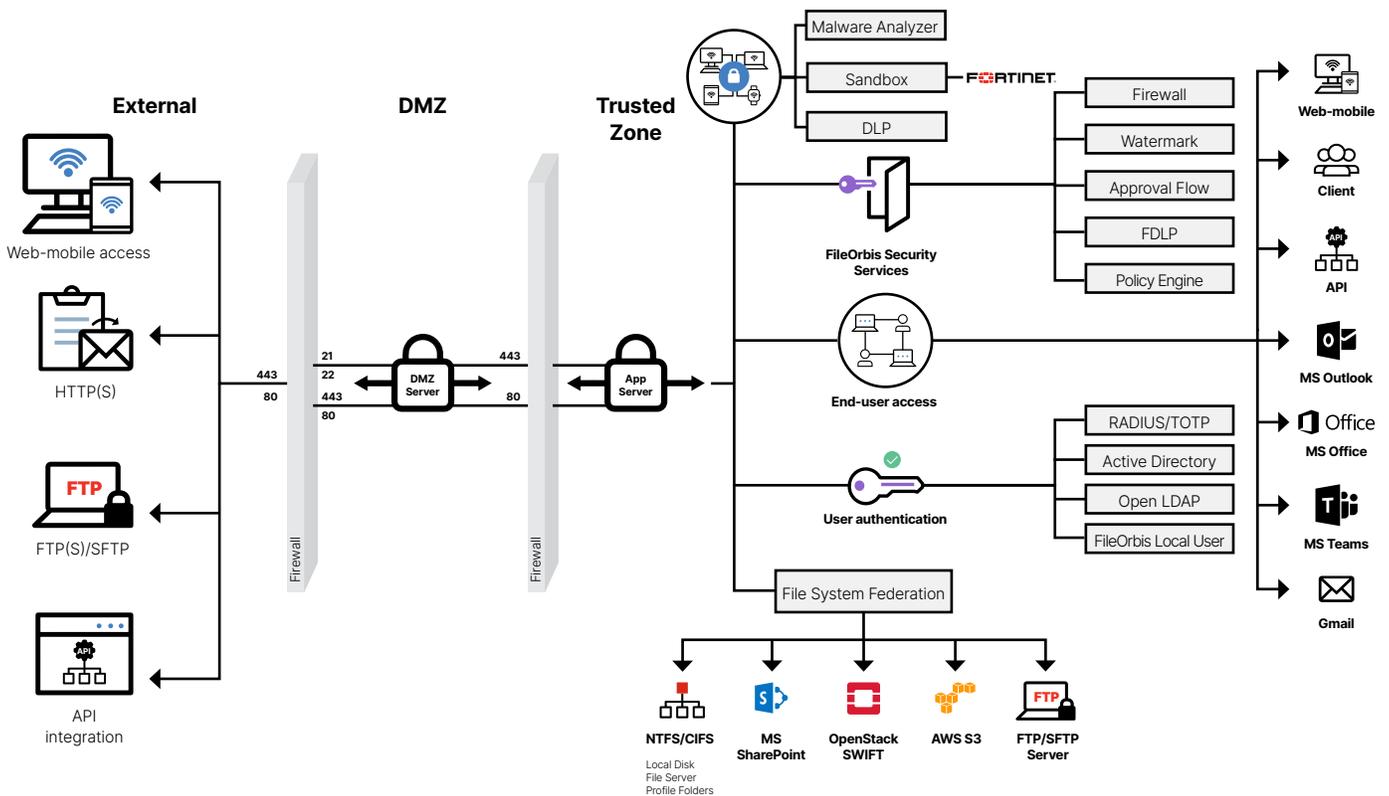


Figure 1: Solution integration.



In summary, the integration enhances data and content security for organizations.

About FileOrbis

FileOrbis is a product family aiming to manage the user and content relationship within an institutional framework. FileOrbis is constantly being developed to meet the different needs of customers and industries in terms of content management. FileOrbis focuses on high security, wide integration options, ease of use, and granular management.



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