

NEXT GENERATION FILE SHARING & REMOTE ACCESS TO FILES AND FOLDERS



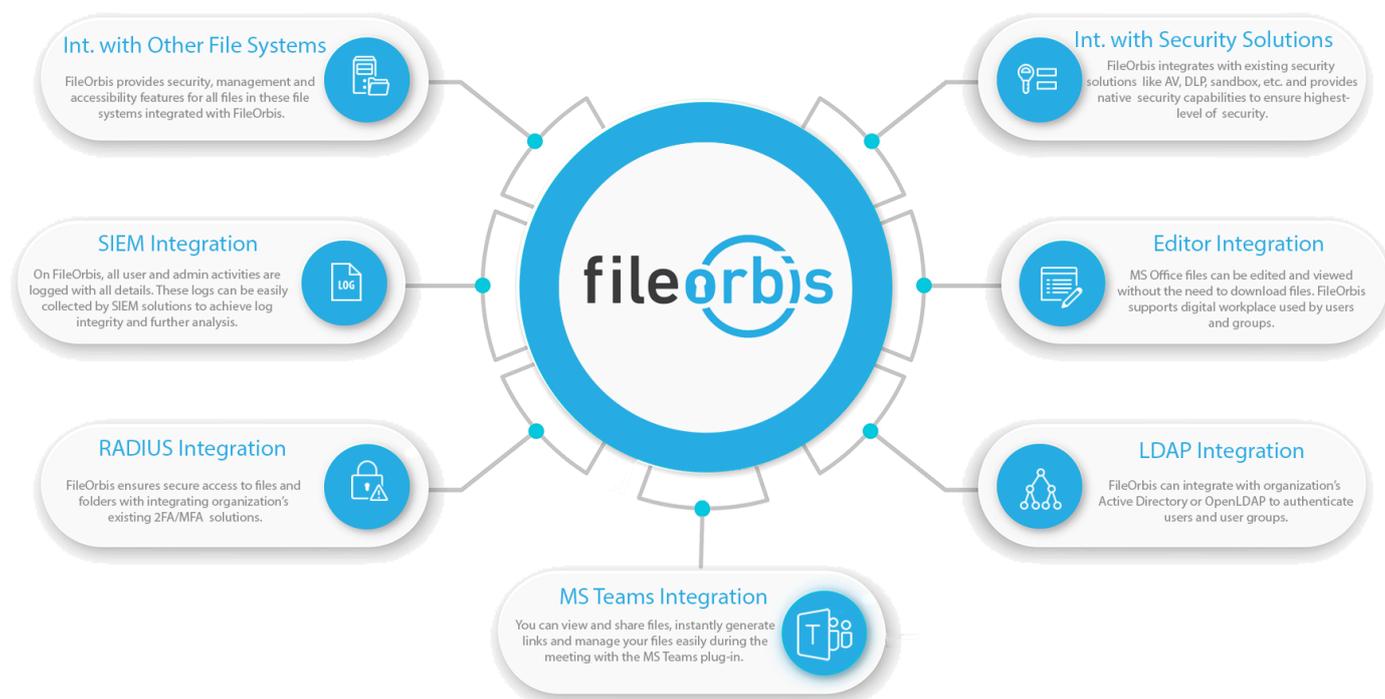
NEXT-GEN FILE SHARING

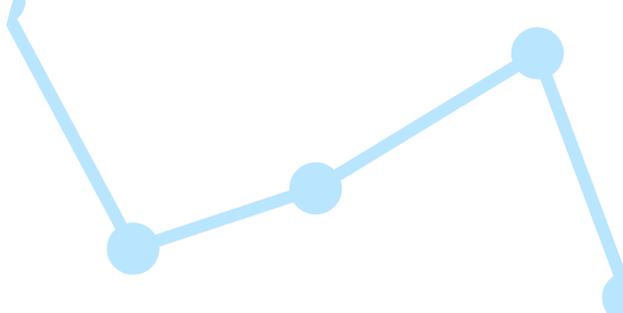
Manage Your File Repositories with FileOrbis!

Nowadays, while there is a new security breach every day, the biggest need of organizations is to be able to provide users with the next generation technology experiences by preserving their data within themselves. Due to numerous breaches in the last few years, on-prem file server solutions have been developed for customers whose security demands have increased. In terms of data protection, it ideally brings about the need to store them within the company to minimize the risk of critical files being a target of the next attack.

Integrations and New File Sharing Management

FileOrbis offers powerful management tools to manage corporates' file sharing internally and externally. Administrators can control file/folder access, assign permissions, control user groups, and enforce restrictions as needed. FileOrbis develops additional features to maximize the total benefit by integrating with existing systems. With these integrations, FileOrbis aims to present two main values to its customers. The first one is that all users can quickly use FileOrbis services. Access to files that contain data that is needed for business all the time can be easily enabled without moving files from original locations and with using existing user and permission definitions. The second main value is that the existing solutions used and trusted by the organizations can serve as integrated technologies through FileOrbis. In this way, the organizations can continue the use through FileOrbis without having to replace the solutions that they know and trust. With FileOrbis enterprise file sharing, you also get centralized file management, integrated search, text search, policy management, role-based access, effective admin reports, metadata management system, and much more.





Integrations and FileOrbis Additional Security Controls

Editor integration:

It provides FileOrbis editor integration so that users can transact over FileOrbis without downloading the file to view and edit OpenOffice and Microsoft Office file formats, or even work together with other authorized users. Other than the supported 3.party editors, an embedded editor has been developed for both MS Office types and other types of files. Integration with the following solutions is available for MS Office files. For these editors supported by the WOPI protocol, restrictions such as downloading and printing on WOPI can also be set.

- **MS Office Online Server**
- **Collabora Office**
- **Only Office**

In addition to these integrations, FileOrbis also provides an editor embedded in the Fileorbis core. FileOrbis also has embedded file viewer such as text editor, video player, music player, PDF viewer.

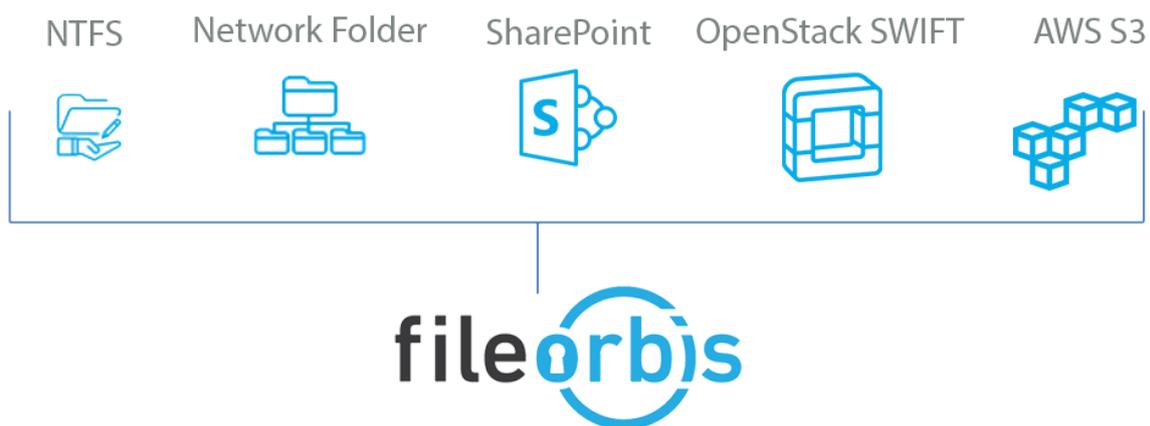
LDAP integration:

FileOrbis enables the use of users and groups defined on Active Directory or OpenLDAP that are currently used in the corporate infrastructure. In this way, organizations can continue their password policies through FileOrbis, access them with a single password and manage their existing groups and users without the need to define them on FileOrbis.

Integration with different file systems:

By integrating with all file systems, FileOrbis provides an important value to ensure the secure management and accessibility features of FileOrbis to users on these file systems for your all files. This feature allows you to connect and manage different file systems with FileOrbis at the same time.

It is possible to define a folder for users on FileOrbis and to link it to one of the different file repositories mentioned below. You can also make all file systems available to users at the same time. You can move the permissions in these file systems directly to FileOrbis or you can define new permissions through FileOrbis by eliminating existing ones.



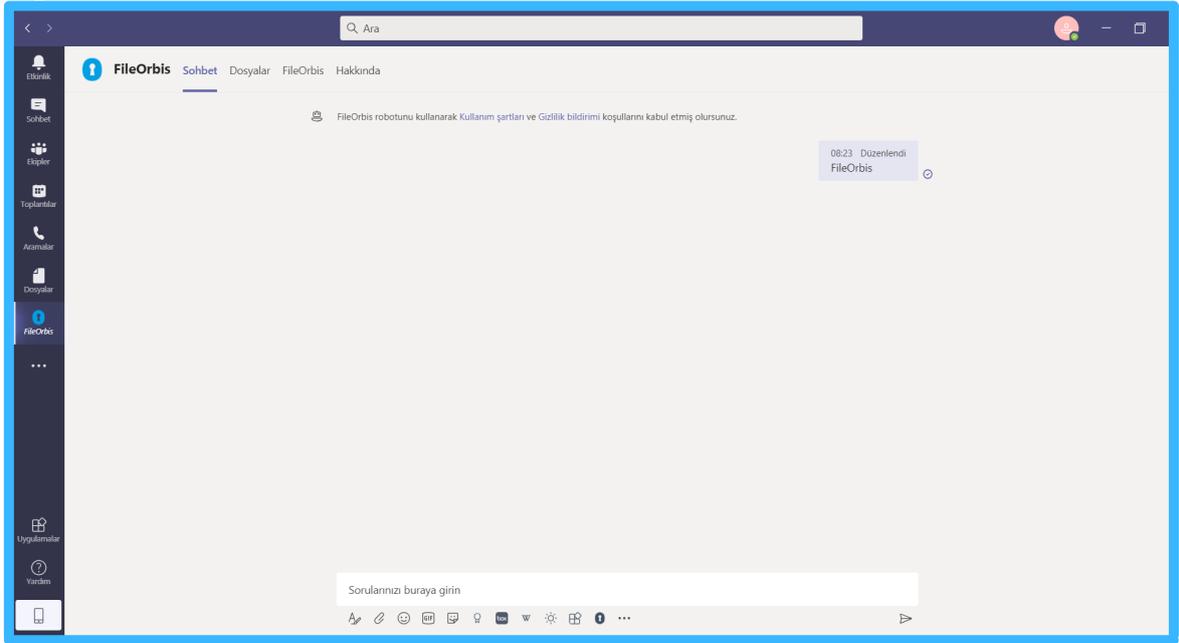
- **NTFS:** You can add your file systems that are indexed and authorized on Windows NT base to FileOrbis and access all files and directories using existing permissions that are synced.
- **Network Folder:** You can add file server and CIFS that can be accessed via UNC path over the network with their existing permissions to FileOrbis.
- **OpenStack SWIFT:** You can add the SWIFT file system on OpenStack to FileOrbis with the APIs it provides. You can manage all data warehouses, permissions, versions, and metadata on the file system with FileOrbis.
- **MS SharePoint:** You can add and manage file folders on MS SharePoint with their existing permissions.
- **AWS S3:** You can add your online services and physical disk space that support the Amazon Web Service Simple Storage Service (S3) file access protocol to FileOrbis with the S3 API and manage files, permissions, versions, and metadata with FileOrbis.

Integration with different applications:

It is also possible to use FileOrbis' file access and sharing features in other business applications that organizations use. Just as the customized business application integrations can be made using the FileOrbis API and SDK, FileOrbis develops its own add-ins for popular commercial applications.

- **MS Teams Add-in:** Developed within the frequently used online meeting app MS Teams to view, share and instantly generate links, the add-in lets you easily manage your files during meetings. MS Teams is available for download from the market.

Figure 1: MS Teams Add-in

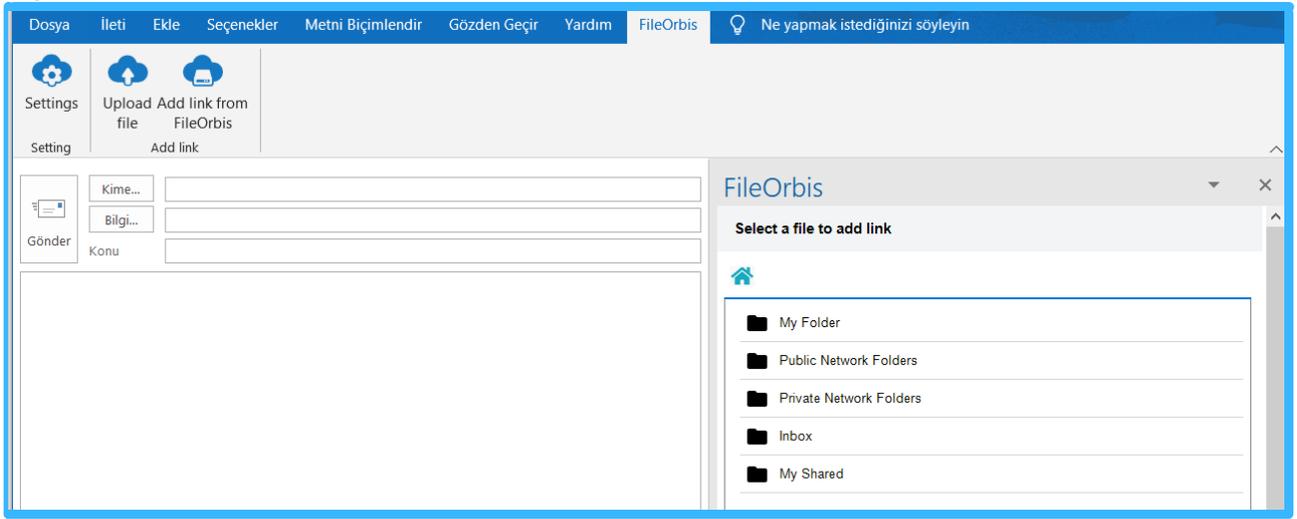


- **Gmail Add-in:** It is possible to send email attachments as automatic FileOrbis links via Gmail, which also provides email infrastructure for corporate companies and allows files to be sent as e-mail attachments to be selected from the FileOrbis add-in. This add-in is available for use through adding over Gmail.

MS Outlook Add-in:

It is also possible to use the FileOrbis link service for e-mail attachments. E-mail attachments that you upload through MS Outlook go through an automated link process within the framework of the rules you specify and send links with the access permissions you want instead of the e-mail attachment. This reduces your email server load, allows you to send unlimited-sized emails, and analyze every email attachment previously sent in the future.

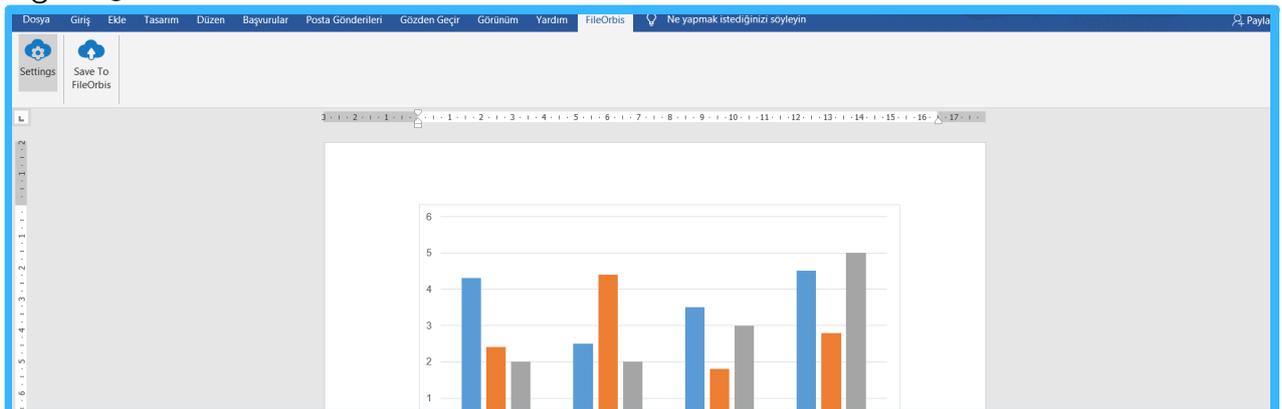
Figure 2: MS Outlook Add-in



MS Office Add-in:

Allows you to open an MS Office file that is on FileOrbis from the MS Office program that is installed on your local computer. FileOrbis MS Office add-in saves the user from the burden of both downloading and opening files and re-uploading the file you edited into FileOrbis. It syncs all processes as well as ensures that the user cannot save the file with the "Save As" option or print it and contributes to your data security on the local computer.

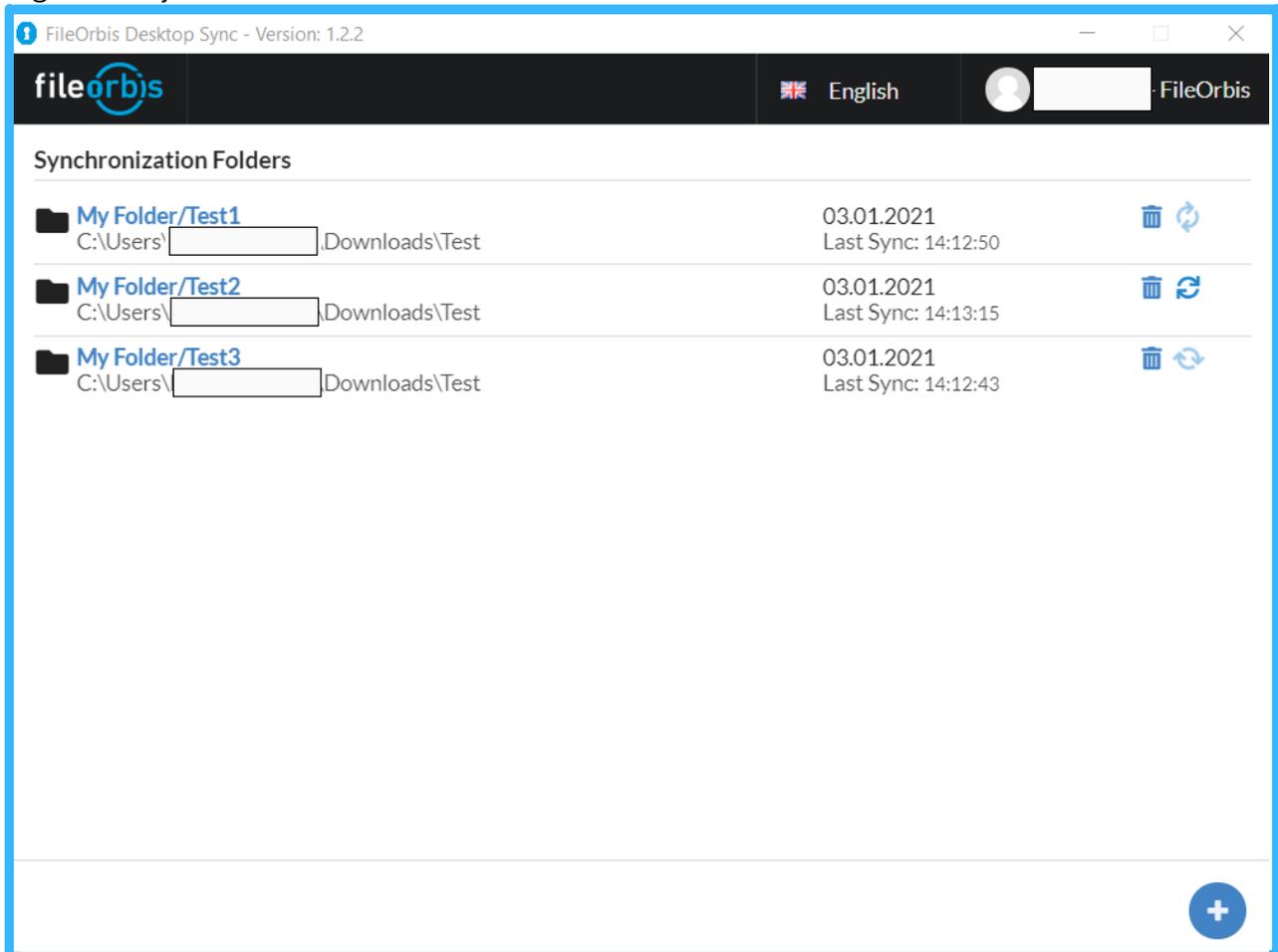
Figure 3: MS Office Add-in



Sync Client:

You can sync all files that you have access on FileOrbis to your Windows and Mac computer. The files you want to sync are managed by FileOrbis Sync Client in two directions and simultaneously bring up-to-date files to users.

Figure 4: Sync



Management & Permissions

Permissions:

A tiered permission system is available on FileOrbis. File system permission, FileOrbis Sharing Permission, Directory Permission, and User Process Restrictions work in different processes in different orders, ensuring the most accurate permission for the actions that the user wants to perform. It is possible to increase, reduce these permissions or customize them for different actions.

Figure 5: Permissions



Actions To Be Made	My Folders	Private Network Folders	Public Network Folders	Shared Folders
Create Folder	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create File	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delete	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Download	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Upload	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Share	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Upload Link	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Download Link	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Versions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rename	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
View	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Move	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Copy	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Online Edit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Open With Desktop	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Archive Operation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Note	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
User Label	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Favorite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

- **FileOrbis Sharing Permission:** A user can share their own file or folder with another user. The user can give to other users permissions such as reading, writing, and deleting within the sharing. In addition to file access permissions, it can also define operational permissions, such as sharing a shared file with users and creating a link over it. While the user can authorize each file and folder individually, they can edit or remove them at any time.
- **Index Permission:** Through the FileOrbis platform, users can be defined on the 'Network Path', 'Object Storage', and MS Sharepoint systems and access with their permissions in the relevant index, or perform permission checks with Fileorbis index restrictions. Permissions, where that user has, can be reduced or turned off and unauthorized folders may be granted with permission. These permissions remain on the FileOrbis platform and do not affect the file system.

- **User Action Restrictions:** A permission system that determines which actions users can perform in which areas. Customized on the basis of users and groups, it allows you to restrict what that user or group can do on their own specified folders, public net folders, private net folders, and incoming.

Policy Management:

Enforcement or option narrowing can be applied to users' actions through FileOrbis. It is possible to determine and customize the requirements such as compelling to give a password, setting the time of login, setting the IP addresses to be processed on a user or group basis. Policies can be set for many operations such as logins, links, shares, FTP/SFTP accesses, file media that can be accessed and new policies are constantly added.

Figure 6: Adding Policy

Add New Policy

Name

Name

Policy Rules | Policy Filters + Add New Policy Rule

Link ✖ Delete Rule

Allow Live / Static Copy Link Creation: Live and Static Copy

Password Protection: Optional

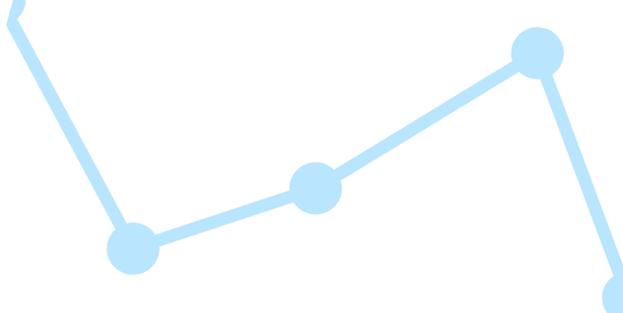
Password Options: Instant Password, Standard Password

Expiration Date: Optional

Expire Date Options: 1 Day, 1 Week, 1 Month, Custom

IP: Optional

Save Cancel



Business Application Integration Capabilities

API Support:

Almost all user actions that can be performed over FileOrbis can also be performed through FileOrbis API. In this way, you can easily apply FileOrbis' file access, analysis, and sharing capabilities to your existing business applications. With the Restful API, you can easily open access through a service account, trigger operations such as linking, sharing, file access, and generate automation that triggers your business applications or triggered by them.

SDK Support:

It allows integrations with existing software to be completed very easily through the use of this SDK. SDK updates include API updates automatically, so you don't need to update code for a change in the API.

Deploying in Production

Design Customization:

FileOrbis tries to provide easy and understandable screens to users with its simple design approach. Organizations can customize visual elements such as their own color, logo, background. Email and SMS templates can also be edited specifically for the organization.

Flexible Deployment Options:

FileOrbis can support the infrastructure of all organizations, from SMBs to large enterprises with tens of thousands of users. With the Advanced Integration Option, FileOrbis allows organizations to use LDAP, file system, SMTP, network definitions by defining them through a simple admin panel without making any change in their infrastructure. Basic integrations and automatic installation allow you to get the system ready for use in a very short time. As well as large and multi-integration installations, easy and fast ones are also possible. It can be installed by integrating many technologies such as SMS, RADIUS, multi-LDAP, central MS SQL, DLP, AV, sandbox, and external file system.

Distributed Deployment Support:

FileOrbis can be installed as 4 different components: App Server, DMZ Server, Content Search Server, FTP/SFTP Server to balance the load and ensure business continuity. Each server can be set up as N number parallel servers and the load can be handled in active-active mode. This ensures that system continuity is not impaired if there are any maintenance processes or unexpected access issues on the servers. FileOrbis supports distributed and active-active architecture and many of its services can be installed on a single server and work more compactly.

Figure 7: Distributed Deployment

