



# ownCloud Feature Sheet

This comparison chart will help you decide which is best for you – ownCloud Standard or Enterprise Edition.

## GENERAL

## General

	Standard Edition	Enterprise Edition	
<b>License</b>	AGPLv3 (Must share customizations with Community)	ownCloud Commercial License for ownCloud Server Core and Enterprise Modules	<a href="https://owncloud.com/licenses/owncloud-commercial/">https://owncloud.com/licenses/owncloud-commercial/</a>
<b>Deployment Options</b>	<ul style="list-style-type: none"> <li>On-Premises</li> <li>Hybrid</li> <li>Cloud</li> </ul>	<ul style="list-style-type: none"> <li>On-Premises</li> <li>Hybrid</li> <li>Cloud</li> </ul>	ownCloud puts you in control. You decide where your data resides!
<b>Onboarding/Migration Assistance</b>	✗	Dedicated Deployment Manager	When you're ready to deploy ownCloud, no matter how straight-forward or complex your implementation will be, we will help you to ensure a smooth and effective production roll-out. With four levels of deployment support available, you will be able to tailor your deployment services to match your needs.
<b>Support</b>	Community Forum (free) or 8x5 with 24h reaction time with Standard Subscription	12x5 with 2h reaction time, up to 24x7 with 2h reaction time (Custom Subscription)	<a href="https://owncloud.com/pricing/">https://owncloud.com/pricing/</a>
<b>Documentation</b>	✓	✓	<a href="https://doc.owncloud.com/">https://doc.owncloud.com/</a>
<b>Multi-Language Support</b>	✓	✓	ownCloud is available in many languages, translations are constantly extended and improved
<b>Intuitive Web-Interface</b>	✓	✓	ownCloud's design principles put the user center stage, by providing a great user experience and seamless workflows. They do this by focusing on ease-of-use and an intuitive design.
<b>Desktop Clients for Windows, MacOS &amp; Linux</b>	✓	✓	The ownCloud desktop client keeps your files in sync and provides many other features directly on the desktop integrated with the File Browser (e.g. sharing of files). The ownCloud Desktop Sync Client for Windows from version 2.5.0 is delivered as Windows Installer (*.MSI) *, suitable for all common solutions for Windows software distribution.
<b>Virtual File System</b>	✓	✓	The desktop client with Virtual File System improves usability and reduces local storage requirements. Users can share files in the Explorer even if they are not stored locally. The client reflects the file and folder structure of the server, regardless of whether the data is completely available locally. If a file is needed, it can be downloaded and opened with a single click.
<b>Mobile Clients for iOS &amp; Android</b>	0,99 € / 0,99 \$	Included in Subscription, may be branded	<a href="https://owncloud.com/apps/">https://owncloud.com/apps/</a>
<b>Active Directory/LDAP Integration</b>	✓	✓	Admin feature for connecting an ownCloud instance to an LDAP-based user directory (Authentication and provisioning of users/groups and corresponding attributes)
<b>Branding with ownBrander</b>	✗	ownBrander Self Service included, can be extended by Branding Subscription „small“ or „full“, up to integration into Mobile Device Management and Single Sign On Systems.	ownBrander lets you easily apply your Corporate Identity to the ownCloud Web-Interface, Mobile & Desktop Clients.
<b>Oracle DB Support</b>	✗	✓	Supports the use of Oracle Databases with ownCloud.

## Usability

	Standard Edition	Enterprise Edition	
<b>Activity Stream</b>	✓	✓	Displays actions related to their files in ownCloud, e.g. upload, edit, delete, share, share was accessed externally. User-configurable, regular e-mail notifications possible.
<b>Content Sharing</b>	✓	✓	Sharing of files, calendars, notes and more with users of your ownCloud Instance, users of other ownCloud instances (Federated Cloud Sharing) or via an anonymous link (password protection, expiration date possible)
<b>Custom groups</b>	✓	✓	Enables users to define their own groups to share with. An integrated role concept allows collaborative management of groups.
<b>Federated Cloud Sharing</b>	✓	✓	With Federated Cloud Sharing, users on one ownCloud installation can collaborate with users on other ownCloud installations while each server maintains its respective security and governance protocols. Files shared between users are no longer confined to a single shared folder or ownCloud instance.
<b>Sharing Permission Management</b>	✓	✓	Feature to selectively restrict access to shared content (Create, Edit, Delete, Reshare)
<b>Calendar</b>	Optional	Optional	Use the Calendar App in ownClouds Web-Interface, sync your Calendars via CalDAV and share them with other users.
<b>Contacts</b>	Optional	Optional	Use the Contacts App in ownClouds Web-Interface, sync your Contacts via CalDAV and sharing them with other users.
<b>Video Streaming</b>	✓	✓	Watch your videos directly in ownCloud without the hassle of downloading them first.
<b>Image Gallery</b>	✓	✓	Gallery feature for quick & easy image viewing with slideshow functionality.
<b>Large File Support (&gt;4 GB)</b>	✓	✓	File size in ownCloud is only limited by the configuration and underlying infrastructure.
<b>Upload Chunking/Resuming</b>	✓	✓	Chunking allows to split up files into smaller packages ('chunks') before uploading. This enables parallel uploading for a single file (performance improvements) and upload resuming during e.g. unstable network connection.
<b>Collaborative Editing of Office Documents with Collabora Online</b>	Optional	Optional	Collaborative viewing & editing of office documents within a browser. Supports Microsoft & LibreOffice formats for documents, presentations & spreadsheets. <a href="https://owncloud.com/collabora/collaborative-editing/">https://owncloud.com/collabora/collaborative-editing/</a>
<b>Collaborative Editing of Office Documents with ONLYOFFICE</b>	Optional	Optional	The ONLYOFFICE integration enables access and collaborative editing of Microsoft Office file formats for documents, presentations and tables from the ownCloud frontend in real time. <a href="https://owncloud.com/onlyoffice/">https://owncloud.com/onlyoffice/</a>
<b>Collaborative Editing of Office Documents with Microsoft Office Online</b>	Optional	Optional	The Microsoft Office Online integration enables viewing and collaborative editing of documents, presentations and spreadsheets using the original Microsoft Office Online Editor within the ownCloud frontend in real time.
<b>Microsoft Outlook Plugin</b>	Optional	Optional	Using epiKshare's Outlook integration you can share access to important files and directories with just a few clicks directly from Outlook. <a href="https://owncloud.com/outlook-plugin-in/">https://owncloud.com/outlook-plugin-in/</a>

## USABILITY

## Usability

	Standard Edition	Enterprise Edition	
<b>File Drop</b>	✓	✓	Allows users to mark any folder as a drop folder for external users to anonymously drop files in a shared folder without revealing the actual content of the folder.
<b>File Tagging</b>	<ul style="list-style-type: none"> <li>Admin-Defined</li> <li>User-Defined</li> </ul>	<ul style="list-style-type: none"> <li>Admin-Defined</li> <li>User-Defined</li> <li>Auto- &amp; Group-Tagging</li> </ul>	Add specific tags to your files. This feature allows smart filtering of files and works with shared files as well.
<b>File Versioning</b>	✓	✓	Versioning-Feature for files which allows rollback to older file versions.
<b>File Comments</b>	✓	✓	Add individual comments to your files. Works with shared files as well.
<b>File Locking</b>	✓	✓	Lock files to prevent users from making concurrent edits that could cause file conflicts. Users are notified when files are locked.
<b>Favorites</b>	✓	✓	Mark files & folders as favorites for quick access on all devices.
<b>Impersonation</b>	✓	✓	Admin feature to impersonate users. Administrators can login as any user and conduct actions as this user i.e. to provide a helpdesk experience. May be restricted to group membership/administrators.
<b>Notifications</b>	✓	✓	With this feature users can receive notifications from administrators & apps.
<b>Guests</b>	✓	✓	The ownCloud Guests feature allows to create ownCloud Guest accounts with very limited access rights. Simply share with external users just by entering an email address in the sharing dialog.
<b>Workflows (Automated File Operations)</b>	✗	✓	Enables administrators to specify rules and conditions (file size, file mimetype, group membership and more) to automatically assign tags (see 'File Tagging') to uploaded files. Based on those tags automated file operations ('Workflow actions') like File Retention (automated file retention periods) can be conducted. Can be extended by 'Workflow Apps'.
<b>Full Text Search</b>	Optional	Optional	Full text search functionality to find files, folders and file content easily. Supports .txt, .docx, .xlsx, .pptx, .odt, .ods, .pdf and more.
<b>Extensibility through ownCloud Marketplace</b>	Community contributed: Music, Video, Notes + 200 more	ownCloud Apps certified for the enterprise	ownCloud's open architecture and APIs allow developers to rapidly extend core functionality and enhance the solution to meet user needs. ownCloud is highly extensible therefore, enabling the addition of new features quickly via plug-in applications ('ownCloud Apps').  <a href="https://marketplace.owncloud.com/">https://marketplace.owncloud.com/</a>

## Storage

	Standard Edition	Enterprise Edition	
<b>Storage Infrastructure Consolidation</b>	✓	✓	Single point of access to all supported storage systems. ownCloud unites your storage resources on one platform giving you secure access without requiring a VPN connection.
<b>Primary storage</b>	<ul style="list-style-type: none"> <li>Local storage</li> <li>GlusterFS/Red Hat Storage</li> <li>S3 Object Storage</li> </ul>	<ul style="list-style-type: none"> <li>Local storage</li> <li>GlusterFS/Red Hat Storage</li> <li>certified S3 Object Storage: Scality, Ceph S3, Amazon S3, etc.</li> </ul>	Internal storage of an ownCloud instance.
<b>Secondary storage</b>	<ul style="list-style-type: none"> <li>FTP</li> <li>Dropbox</li> <li>Google Drive</li> <li>sFTP</li> <li>WebDAV</li> <li>SMB/CIFS</li> </ul>	<ul style="list-style-type: none"> <li>S3</li> <li>FTP</li> <li>Dropbox</li> <li>Google Drive</li> <li>sFTP</li> <li>WebDAV</li> <li>SMB/CIFS</li> </ul>	External storage of an ownCloud instance. Can for example include mounted or integrated storage systems.
<b>Microsoft SharePoint Integration</b>	✗	✓	Integration of MS SharePoint Storage with ownCloud. <a href="https://owncloud.com/owncloud-sharepoint/">https://owncloud.com/owncloud-sharepoint/</a>
<b>Windows Network Drive Integration</b>	✗	✓	Integration of Windows Network Drive with ownCloud.

## Security

	Standard Edition	Enterprise Edition	
<b>End-to-End Encryption</b>	Optional	Optional	End-to-End Encryption for ownCloud increases the security standard for file storage and sharing. It enables users to create folders for client-side encrypted internal or external data exchange. Neither the administrator of the ownCloud Server nor third parties who have access to the infrastructure can read the data. Individual or central key management and provisioning are both available.
<b>End-to-End Encryption with Key Service</b>	Optional	Optional	For maximum security and control in data exchange, ownCloud offers an additional Key Service application which enables professional key management with the option of using USB tokens, HSM/Smartcards and other hardware devices to decrypt data. Device-based key management provides the highest security level as decryption keys are stored separately from the user's workstation and can't be extracted from the hardware device.
<b>Ransomware Protection</b>	✗	✓	Ransomware attacks are an ever-present malware risk, both for large enterprises as well as for private users. Once affected, whole hard drives or parts of it can become encrypted leading to unrecoverable data loss that directly translates to significant effort and cost. For this exact purpose the ownCloud Ransomware Protection App protects companies by blocking uploaded files known to originate from ransomware to preserve original, unaffected files in ownCloud. Additional to that the App can automatically block user accounts where ransomware was detected and also provides smart mechanisms for the restoration of infected files.

## SECURITY

## Security

	Standard Edition	Enterprise Edition	
<b>2-Factor Authentication</b>	✓	✓	Two-Factor authentication through TOTP (Time-Based One-Time Password Algorithm). For example compatible with Google Authenticator.
<b>Active Session Management</b>	✓	✓	List active sessions of a user and disconnect them selectively.
<b>Anti-Virus</b>	✓	✓	Virus scanner for files (using ClamAV).
<b>Encryption of Primary Storage (AES-256), Key management</b>	✓	✓	Server-side encryption of primary storage using the Advanced Encryption Standard (AES). When enabled, the admin is unable to read user-data of an instance.
<b>File Integrity Checking</b>	✓	✓	To prevent file corruption the integrity of up- and downloaded files is automatically verified by comparing their unique checksums before and after transfer.
<b>Auditing/Logging Module</b>	✗	✓	Admin feature to log login and logout events of users, file system operations, including actions on the trash bin, internal sharing of a file, sharing a link with a user, or permission changes as well as user management actions (creation/deletion/disabling/enabling of users), actions on ownCloud apps (enable/disable) and administrative actions from the command line.
<b>File Firewall</b>	✗	✓	Admin feature for application level file access rules to protect files in the enterprise. Inspects file requests made on an ownCloud server, and prevents ownCloud from executing any code if the firewall rules are met. Possible rules are IP address range, device type, file size, subnet, time, group membership. Logging is configurable.
<b>OAuth2</b>	✓	✓	OAuth2 is the open industry-standard protocol for secure authorization of clients. It greatly enhances security while facilitating the integration of third party applications or web services.
<b>Password Policy</b>	✓	✓	The Password Policy application enables ownCloud administrators to define password requirements like minimum characters, numbers, capital letters and more for all kinds of password endpoints like user and guest accounts or public link sharing passwords. Additional to that administrators can define an expiration date for passwords and set certain policies to avoid the reuse of passwords. To add another layer of security, the administrator can enforce expiration dates for public link shares. As soon as the expiration date is reached the share will be removed automatically.
<b>SAML/SSO Authentication</b>	✗	✓	Authentication feature using the SAML standard. This allows Single Sign-On (SSO) via Shibboleth, ADFS, Ping Identity and more.
<b>Native Brute Force Protection</b>	Optional	Optional	The „Brute Force Protection“ extension prevents attackers from „guessing“ user passwords through a brute force attack. Repeated failed login attempts from the same IP address are delayed, minimizing the chances of a successful attack.
<b>Document Classification</b>	✗	✓	To prevent sensitive data from being leaked and safeguard personal data as per regulation guidelines, the 'Document Classification' extension enables administrators to automatically classify documents and define policies for sharing documents based on defined levels of confidentiality.

## Technical Toolbox

	Standard Edition	Enterprise Edition	
<b>Command Line Interface (CLI)</b>	✓	✓	Management of instances via command line and/or scripts (OCC).
<b>Provisioning APIs</b>	✓	✓	Contains APIs to enable the provision of the following Admin /Group-Admin functionalities outside the WebGUI via HTTP-requests: <ul style="list-style-type: none"> <li>• Create, edit, delete and query user attributes</li> <li>• Query, set and remove groups, set quota and query total storage used in ownCloud</li> <li>• Query for active ownCloud applications or application info</li> </ul>
<b>WebDAV/CalDAV/CardDAV API</b>	✓	✓	Extension of the HTTP-Protocol used as an interface for file operations and calendar/contact synchronization. Open standard with ownCloud-specific extensions.
<b>OpenCloudMesh API</b>	✓	✓	Interface for federation between ownCloud instances and other OpenCloudMesh-ready services. For further information about the OpenCloudMesh Project visit <a href="https://oc.owncloud.com/opencloudmesh.html">https://oc.owncloud.com/opencloudmesh.html</a>
<b>Sharing API</b>	✓	✓	Interface for sharing functionalities.
<b>Capability API</b>	✓	✓	Interface for server capability discovery.
<b>Public ownCloud Server Core API</b>	✓	✓	Interface for extending the ownCloud server functionality. An example are ownCloud Apps.

## Custom Features

ownCloud Enterprise Edition offers many great features, however, some customers require certain capabilities that may not be readily available. For those customers the engineers at ownCloud go out of their way to deliver these capabilities by opening consulting projects.

 <https://owncloud.com/custom-features/>

## About ownCloud





ownCloud is the largest Open Source Filesharing solution in the world with 200.000 installations and more than 25 million users. The Open Platform for Secure Enterprise Filesharing combines consumer-grade usability with enterprise-grade security. It enables users to access data no matter where it is stored or which device is used. By giving organizations the visibility and control required to manage sensitive data while offering users the modern collaboration experience they demand, productivity and security are increased at the same time. For more information, visit:

 <https://owncloud.com>

To join the conversation, please visit  <https://owncloud.com/newsroom> or follow us on Twitter [@ownCloud](https://twitter.com/ownCloud).

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