General

	Standard	Enterprise	ownCloud.Online	
License	AGPLv3 (Must share customizations with the Community)	ownCloud Commercial License for ownCloud Server Core and Enterprise Modules		
Deployment options	On-premises, hybrid or cloud	On-premises, hybrid or cloud	⊗	ownCloud puts you in control. You decide where your data resides!
Onboarding / migration assistance	⊗	Dedicated Deployment Manager (on request €/$)	✓	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.
Documentation	✓	✓	✓	
Multi-language support	✓	✓	✓	ownCloud is available in many languages, and translations are constantly being both extended and improved.
Intuitive web-interface	✓	✓	✓	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.
Desktop apps for Windows, MacOS & Linux	✓	✓	✓	The ownCloud desktop client keeps your files in sync and provides many additional features, by directly integrating with the file browser (e.g. sharing of files). The ownCloud Desktop Sync Client for Windows is delivered as Windows Installer (MSI), suitable for all common solutions for Windows software distribution.
Virtual File System	✓	✓	✓	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 on-demand.

Mobile apps for iOS & Android	請詢問友環業務	Pro-features included in subscription, may be branded	✓	
Active Directory / LDAP integration	✓	✓	⊗	Connect an ownCloud instance to an LDAP/AD-based user directory (Authentication and provisioning of users/groups and corresponding attributes).
Branding with ownBrander	⊗	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.
Oracle DB Support	⊗	✓		Support the use of Oracle Databases with ownCloud.

Usability

Activity Stream	✓	✓	✓	**Displays actions related to their files** in ownCloud, e.g. upload, edit, delete, share, share, was accessed externally. User-configurable, regular email notifications possible.
Content Sharing	✓	✓	✓	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).
Custom Groups	✓	✓	✓	Enables users to define their own groups to share with. An integrated role concept allows **collaborative management of groups.**
Federated Cloud Sharing	✓	✓	✓	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.
Sharing Permission Management	✓	✓	✓	Feature to **selectively restrict access** to shared content (Create, Edit, Delete, Reshare).

Calendar	Optional	Optional		Use the Calendar App in ownClouds Web-Interface, sync your Calendars via CalDAV and share them with other users.
Contacts	Optional	Optional		Use the Contacts App in ownClouds Web-Interface, sync your Contacts via CardDAV and sharing them with other users.
Video Streaming	✓	✓	✓	**Watch your videos directly in ownCloud** without the hassle of downloading them first.
Media Viewer	✓	✓	✓	Gallery feature for quick & easy image viewing with slideshow functionality.
Image Gallery	✓	✓	✓	Gallery feature for quick & easy image viewing with slideshow functionality.
Large File Support	✓	✓	✓	**Large file support** for files bigger than 4GB. File size in ownCloud is only limited by the configuration and underlying infrastructure.
Upload Chunking / Resuming	✓	✓	✓	**Chunking** allows to split up files into smaller packages (chunks) before uploading. This enables parallel uploading of a single file (performance improvements) and upload resuming during e.g. unstable network connection.
Collabora Online	Optional	Optional		Collaborative viewing and editing of office documents within a browser with **Collabora Online**. Supports Microsoft and LibreOffice formats for documents, presentations and spreadsheets.
ONLYOFFICE	Optional	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.
Microsoft Teams Integration	Optional	Optional	Optional	Use the integration of ownCloud with Microsoft Teams in just a few steps to enable a seamless and secure exchange of data and documents within the collaboration software.
Microsoft Office Online Server	⊗	Optional		The **Microsoft Office Online integration** via WOPI enables viewing and collaborative editing of documents, presentations and spreadsheets using the original Microsoft Office Online Editor within the ownCloud frontend in

				real time.
Microsoft Outlook Plugin	Optional	Optional	✓	Using the **ownCloud Outlook integration** you can share access to important files and directories with just a few clicks directly from Outlook.
File Drop	✓	✓	✓	Allows users to mark any folder as a **drop folder** for externals to anonymously drop files in a shared folder without revealing the actual content of the folder.
File Tagging	Admin-defined, user-defined	Admin-defined, user-defined, auto- and group-tagging	✓	Add specific tags to your files. This feature allows smart filtering of files and works with shared files as well.
File Versioning	✓	✓	✓	Versioning feature for files which allows rollback to older file versions.
File Comments	✓	✓	✓	Add individual comments to files. Works with shared files as well.
File Locking	✓	✓	✓	**Lock files** to prevent users from making concurrent edits that could cause file conflicts. Users are notified when files are locked.
Favorites	✓	✓	✓	Mark files and folders as favorites for quick access on all devices.
Impersonation	✓	✓	⊗	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.
Notifications	✓	✓	✓	With this feature users can receive notifications from administrators & apps.
Guests	✓	✓	✓	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.

Workflows (automated file operations)	✗	✓	✓	Enables administrators to specify rules and conditions (file size, file mime-type, 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".
Full Text Search	Optional	Optional	✗	Full text search functionality to find files, folders and file content easily. Supports .txt, .docx, .xlsx, .pptx, .odt, .ods, .pdf and more.
Extendability	Community contributed: Music, Video, Notes + many more	ownCloud Apps certified for Enterprise use		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).

Storage

Storage Infrastructure Consolidation	✓	✓	✗	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.
Primary storage	Local storage / NFS GlusterFS/Red Hat Storage S3 Object Storage	Local storage / NFS GlusterFS/Red Hat Storage certified S3 Object Storage: Scality, Ceph S3, Amazon S3, etc	✗	Internal storage of an ownCloud instance.
Secondary storage	Local storage / NFS GlusterFS/Red Hat Storage S3 Object Storage Dropbox Google Drive SFTP WebDAV	Local storage / NFS GlusterFS/Red Hat Storage SMB / CIFS certified S3 Object Storage: Scality, Ceph S3, Amazon S3, etc Dropbox Google Drive SFTP WebDAV	✗	External storage of an ownCloud instance. Can for example include mounted or integrated storage systems.
Microsoft SharePoint Integration	✗	✓	✗	Integration of MS SharePoint Storage with ownCloud.
Windows Network Drive Integration	✗	✓	✗	Integration of Windows Network Drive Storage with ownCloud.

Security

End-to-End Encryption	✓	✓	✓	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.
End-to-End Encryption with key service	Optional	Optional	Optional	For maximum security and control in data exchange, ownCloud offers an additional Key Service application that 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.
Ransomware Protection	⊗	✓	⊗	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.
2-Factor Authentication	✓	✓	✓	Two-Factor authentication through TOTP (Time-Based One-Time Password Algorithm). For example compatible with Google Authenticator.
Active Session Management	✓	✓	✓	List active sessions of a user and disconnect them selectively.

Anti-Virus with ICAP	✓	✓	✓	Virus scanner for files (using ClamAV). For corporate settings, the ownCloud Anti-Virus App works with enterprise-grade antivirus scanning engines. Through the open-standard ICAP protocol, ownCloud Enterprise can leverage the enterprise-ready products from all the major antivirus vendors.
Encryption of Primary Storage (AES-256), key management	✓	✓	⊗	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.
File Integrity Checking	✓	✓	✓	To prevent file corruption the integrity of up- and downloaded files are automatically verified by comparing their unique checksums before and after transfer.
Auditing/Logging Module	⊗	✓	✓	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.
Metrics App	⊗	✓	⊗	Get an overview of your key performance indicators on a practical, clear platform. The Metrics App from ownCloud enables the targeted collection of key performance indicators, providing information for reportings.
Splunk Integration	⊗	✓	⊗	Keep track of what happens in your ownCloud Enterprise with Splunk. Improve data governance by visualizing data flows with the ownCloud integration for Splunk.
File Firewall	⊗	✓	✓	Admin feature for application-level file access rules to protect files in the organization. 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.

OAuth2	✓	✓	✓	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.
Password Policy	✓	✓	✓	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.
SAML/SSO Authentication	⊗	✓	⊗	Authentication feature using the SAML standard. This allows Single Sign-On (SSO) via Shibboleth, ADFS, Ping Identity and more.
Native Brute Force Protection	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.
Document Classification	⊗	✓	⊗	To prevent sensitive data from being leaked and safe-guard 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.
Secure View	⊗	✓	⊗	Secure View allows ownCloud users to share sensitive data in such a way that it can only be viewed by the recipient in the browser. If users share data, they can choose to forbid editing, downloading, copy/pasting and printing a shared document. Additionally, documents are protected with watermarks that identify the user and make screenshots traceable. Secure View is a Collabora Online feature, and works with documents of all common office file formats (docx/xlsx/pptx/odx/pdf).

Storage Encryption with HSM support	⊗	✓	⊗	ownCloud Server supports storage encryption with master keys stored in hardware security modules (HSM). In contrast to the regular master key-based storage encryption that stores the keys on the storage, storage encryption with keys in an HSM allows administrators to completely prevent anyone who has access to the storage from accessing the data stored in ownCloud.
Life Cycle Management	⊗	✓	⊗	Automatically archive and then delete files that are no longer needed, ensuring data protection compliance.

Technical Toolbox

Command Line Interface (CLI)	✓	✓	⊗	Management of instances via command line and/or scripts (OCC).
Provisioning APIs	✓	✓	⊗	Contains APIs to enable the provision of the following Admin /Group-Admin functionalities outside the WebGUI via HTTP-requests: • Create, edit, delete and query user attributes • Query, set and remove groups, set quota and query total storage used in ownCloud • Query for active ownCloud applications or application info
WebDAV, CalDAV, CardDAV API	✓	✓	✓	Extension of the HTTP-Protocol used as an interface for file operations and calendar/contact synchronization. Open standard with ownCloud-specific extensions.
OpenCloudMesh API	✓	✓	✓	Extension of the HTTP-Protocol used as an interface for file operations and calendar/contact synchronization. Open standard with ownCloud-specific extensions.
Sharing API	✓	✓	⊗	Interface for sharing functionalities.
Capability API	✓	✓	⊗	Interface for server capability discovery.
Public ownCloud Server Core API	✓	✓	⊗	Interface for extending the ownCloud server functionality. An example are ownCloud Apps.