

IBM Cloud Object Storage File Access V1 delivers file services for IBM Cloud Object Storage

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At a glance

IBM Cloud™ Object Storage File Access delivers:

- Capacity and performance:
 - High-capacity scalability: Both data and metadata are stored in IBM Cloud Object Storage (on premises only)
 - Local caching for low-latency access to frequently used data
- Availability, resiliency, and load balancing through a single active VM-based solution (support for VMware only):
 - Application load balancing provided by an external gateway
 - Resiliency provided by a cold standby IBM Cloud Object Storage File Access VM in a second site (both IBM Cloud Object Storage FA VMs can be attached to the same IBM Cloud Object Storage vault or container)
- Data management and security:
 - Support for Active Directory, LDAP, and Kerberos
 - Support for access control list, quotas, and antivirus

Overview

IBM Cloud Object Storage File Access delivers file services for Cloud Object Storage. It adds SMB and NFS protocols, and a file system interface on top of the object store for storing an infinite amount of unstructured data.

Together with Cloud Object Storage, Cloud Object Storage File Access creates a complete file storage solution suitable for multiple clients to have access to one or more unified file systems through the SMB and NFS protocols.

IBM Cloud Object Storage File Access is a flexible, scalable solution that is easy to manage.

Key prerequisites

IBM^(R) Cloud Object Storage System™ can be deployed on certified hardware servers in a single site or across multiple, geographically dispersed locations connected by public or private networks. See the [Hardware requirements](#) section for specific system requirements.

Planned availability date

February 15, 2019: Electronic availability

Availability of programs with encryption algorithm in France is subject to French government approval.

Description

IBM Cloud Object Storage File Access V1 is a gateway offering that provides SMB and NFS protocol interface to legacy applications to store and retrieve files on Cloud Object Storage. It is deployed on premises or in the cloud as a single virtual machine running IBM Spectrum™ NAS technology.

Clients and applications communicate with the Cloud Object Storage File Access server node through the public network. Using the private network, the cluster keeps itself synchronized with the actual storage delivered by IBM Cloud Object Storage.

Authentication services provide a layer of security by verifying users' credentials before allowing access to read or modify data. Cloud Object Storage File Access supports a variety of protocols including Active Directory, NIS, and Kerberos.

Everything is embedded, simplifying installation and securing reliability and integration between protocols, file system, and IBM Cloud Object Storage.

Multitenancy is a feature that enables multiple file systems within one single storage cluster, and each file system has its own unique domain, shares, users, and groups. This delivers easier administration, reduced overhead, and cost savings on power consumption and hardware.

Quota restricts the use of storage space for a specific domain, file system, folder, or subfolder. The limit is specified in gigabytes, terabytes, or petabytes, and will then apply for all users with access to the folder or share.

File policies can be set up to take automatic actions on files and content for specific file types or when they reach a certain age, whether to add encryption to stored data, to set WORM, or to simply remove old data. Using the management tool, a file policy can be set to a folder at any hierarchical level and then applies to all files in all subfolders.

Encryption is available for data in motion and data at rest.

Cloud Object Storage File Access can connect to antivirus networks and have scanning performed on all or select parts of your file system, in the background or live during reads. Antivirus scanning is controlled by antivirus policies defined in the file system.

Accessibility by people with disabilities

A US Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be found on the [IBM Accessibility](#) website.

Program number

Program number	VRM	Program name
5641-CF1	1.7.1	IBM Cloud Object Storage File Access 1Y
5641-CF2	1.7.1	IBM Cloud Object Storage File Access 2Y

Program number	VRM	Program name
5641-CF3	1.7.1	IBM Cloud Object Storage File Access 3Y
5641-CF4	1.7.1	IBM Cloud Object Storage File Access 4Y
5641-CF5	1.7.1	IBM Cloud Object Storage File Access 5Y

Passport Advantage^(R)

Program number	VRM	Program name
5737-J35	1.7.1	IBM Cloud Object Storage File Access

Offering Information

Product information is available on the [IBM Offering Information](#) website.

More information is also available on the [Passport Advantage and Passport Advantage Express^{\(R\)}](#) website.

Publications

Cloud Object Storage^(R) documentation can be found in [IBM Knowledge Center](#).

Services

Global Technology Services

Contact your IBM representative for the list of selected services available in your country, either as standard or customized offerings for the efficient installation, implementation, or integration of this product.

Technical information

Specified operating environment

Hardware requirements

Recommended minimum server hardware configuration for the ESXi hypervisor node that will run IBM Cloud Object Storage File Access VM:

CPU	x64 (4+ cores)
RAM	32+ GB
Cache disk	100+ GB NVMe
Network	10/25/40 Gigabit
Network switch	At least 2 for redundancy

Preinstalling VMware ESXi hypervisor on this server is not necessary as it will be installed together with IBM Cloud Object Storage File Access software.

In addition to the above server, a MicrosoftTM WindowsTM computer (64-bit Windows 7, or later, with 100 MB storage space) is required for installing the IBM Cloud Object Storage File Access management tool.

Software requirements

IBM Cloud Object Storage System does not require any additional software for its operation.

Planning information

Client responsibilities

The customer is responsible for planning, provisioning, the power, and environmental support required for IBM Object Storage System.

Packaging

IBM Cloud Object Storage File Access is delivered through the internet. Media packs and documentation packs are available only to Passport Advantage and Passport Advantage Express customers. Additional information, ordering information, and charges can be found on the [Passport Advantage and Passport Advantage Express](#) website.

This program, when downloaded from a website, contains the applicable IBM license agreement and License Information, if appropriate, which will be presented for acceptance at the time of installation of the program. For future reference, the license and License Information will be stored in a directory such as LICENSE.TXT.

Direct client support

Software Subscription and Support (also referred to as Software Maintenance) is included with licenses purchased through Passport Advantage and Passport Advantage Express. Product upgrades and technical support are provided by the Software Subscription and Support (Software Maintenance) offering as described in the Agreements. Product upgrades provide the latest versions and releases to entitled software, and technical support provides voice and electronic access to IBM support organizations, worldwide.

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Ordering information

Products announced as dual-pipe are available for ordering by program number and feature number or by part number. Products can be obtained by part number through [Passport Advantage](#).

For more information, contact your IBM representative or IBM Business Partner.

Passport Advantage

Program name/Description	Part number
IBM Cloud Object Storage File Access	5737-J35
IBM Cloud Object Storage File Access per Terabyte License + SW Subscription & Support 12 Months	D21XGLL
IBM Cloud Object Storage File Access per Terabyte SW Subscription & Support Reinstatement 12 Months	D21XHLL
IBM Cloud Object Storage File Access per Terabyte Monthly License	D21XILL
IBM Cloud Object Storage File Access per Terabyte Annual SW S&S Renewal	E0PRFLL

5641-CF1 -IBM Cloud Object Storage File Access 1Y

Use-based OTC with One-year Software Maintenance

Feature description	OTC feature number
IBM Cloud Object Storage File Access 1Y - Per Terabyte with 1 Year SW Maintenance	M2CKQE

Feature description	OTC feature number
IBM Cloud Object Storage File Access 1Y - Per Terabyte with 1 Year SW Maintenance Qty 250	X2CKZE

5641-CF2 -IBM Cloud Object Storage File Access 2Y

Use-based OTC with Two-year Software Maintenance

Feature description	OTC feature number
IBM Cloud Object Storage File Access 2Y - Per Terabyte with 2 Year SW Maintenance	P2CLUE
IBM Cloud Object Storage File Access 2Y - Per Terabyte with 2 Year SW Maintenance Qty 250	X2CL97

5641-CF3 -IBM Cloud Object Storage File Access 3Y

Use-based OTC with Three-year Software Maintenance

Feature description	OTC feature number
IBM Cloud Object Storage File Access 3Y - Per Terabyte with 3 Year SW Maintenance	P2CMC1
IBM Cloud Object Storage File Access 3Y - Per Terabyte with 3 Year SW Maintenance Qty 250	Q2CMAE

5641-CF4 -IBM Cloud Object Storage File Access 4Y

Use-based OTC with Four-year Software Maintenance

Feature description	OTC feature number
IBM Cloud Object Storage File Access 4Y - Per Terabyte with 4 Year SW Maintenance	P2CNUD
IBM Cloud Object Storage File Access 4Y - Per Terabyte with 4 Year SW Maintenance Qty 250	X2CN96

5641-CF5 -IBM Cloud Object Storage File Access 5Y

Use-based OTC with Five-year Software Maintenance

Feature description	OTC feature number
IBM Cloud Object Storage File Access 5Y - Per Terabyte with 5 Year SW Maintenance	N2CPB5
IBM Cloud Object Storage File Access 5Y - Per Terabyte with 5 Year SW Maintenance Qty 250	Y2CPBB

This software license includes Software Maintenance, previously referred to as Software Subscription and Technical Support.

Charge metric

Program name	Part number or PID number	Charge metric
IBM Cloud Object Storage File Access 1Y	5641-CF1	Per terabyte
IBM Cloud Object Storage File Access 2Y	5641-CF2	Per terabyte
IBM Cloud Object Storage File Access 3Y	5641-CF3	Per terabyte
IBM Cloud Object Storage File Access 4Y	5641-CF4	Per terabyte
IBM Cloud Object Storage File Access 5Y	5641-CF5	Per terabyte

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License Information number

LC27891909

See the [License Information documents](#) page on the IBM Software License Agreement website for more information.

Limited warranty applies

Yes

Limited warranty

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IBM will maintain this information for at least one year after the original licensee acquires the program (warranty period).

Money-back guarantee

If for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you

obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

For clarification, note that (1) for programs acquired under the IBM International Passport Advantage offering, this term applies only to your first acquisition of the program and (2) for programs acquired under any of IBM's On/Off Capacity on Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

Volume orders (IVO)

Yes. Contact your IBM representative.

Passport Advantage applies

Yes, information is available on the [Passport Advantage and Passport Advantage Express](#) website.

Software Subscription and Support applies

Yes. Software Subscription and Support, also referred to as Software Maintenance, is now included in the Passport Advantage Agreement. Installation and technical support for the products announced in this announcement is provided by the Software Subscription and Support offering of the IBM International Passport Advantage Agreement. This fee service enhances customer productivity by providing voice or electronic access into the IBM support organizations.

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For additional information about the Passport Advantage Agreement, go to the [Passport Advantage and Passport Advantage Express](#) website.

All distributed software licenses include Software Subscription and Support for a period of 12 months from the date of acquisition, providing a streamlined way to acquire IBM software and assure technical support coverage for all licenses. Extending coverage for a total of three years from date of acquisition, may be elected.

Variable charges apply

No

Educational allowance available

Yes. When ordering through the program number process, a 15% education allowance applies to qualified education institution customers.

Education software allowance program applies when ordering through the program number process.

For the part number ordering process, special education prices are available for qualified customers through Passport Advantage.

ESAP available

Yes, to qualified customers.

Statement of good security practices

IT system security involves protecting systems and information through intrusion prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a regulatory compliant, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective.

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Prices

Business Partner information

If you are an IBM Business Partner acquiring products from IBM, you may link to Passport Advantage Online for resellers where you can obtain Business Partner pricing information. An IBMid and password are required to access the [IBM Passport Advantage](#) website.

Passport Advantage

For Passport Advantage information and charges, contact your IBM representative. Additional information is also available on the [Passport Advantage and Passport Advantage Express](#) website.

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Announcement countries

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