

IBM Cloud Storage Solutions for i, V1.2.0 offers compression and encryption enhancements

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At a glance

IBM^(R) Cloud Storage Solutions for i is a Licensed Program Product that enables IBM i clients to store data to a public or private cloud for purposes such as archiving, backup recovery, and file sharing.

Overview

IT organizations are increasingly using public and private cloud services to share files, back up data, and archive data. The first release of Cloud Storage Solutions for i, V1.1.0, provided an API that integrated with IBM Backup, Recovery, and Media Services (BRMS). Version 1.2.0 introduces a new optional feature that provides compression and encryption.

Key prerequisites

IBM i 7.2, or later

Planned availability date

October 27, 2017

Description

Cloud Storage Solutions for i (5733-ICC) is a Licensed Program Product that is based on an API that enables IBM i clients to simply and affordably store data into public and private clouds for the purpose of data archiving, file sharing, and backup/recovery operations. The Amazon cloud interface (S3) and the IBM SoftLayer^(R) cloud interface (Swift) are supported for object storage.

Currently, there are two ways to get your IBM i data to and from the cloud. One is by using BRMS, which automates the upload and download process. The other is by selecting files and issuing a command to upload or download, where Cloud Storage Solutions will perform the upload and download operation independently of BRMS.

With Cloud Storage Solutions V1.1, announced in Software Announcement [216-419](#), dated October 11, 2016, BRMS was enhanced to work with Cloud Storage Solutions

for simple, fast installation and setup. When using Cloud Storage Solutions with BRMS to place data to and from the cloud, BRMS conducts operations through the IBM i virtual tape facility, encrypting, sending, and retrieving the data to and from the cloud automatically. BRMS is a particularly attractive way to interact with the cloud because it automates the entire process.

Cloud Storage Solutions for i can also be used independently of BRMS to mirror IFS files to cloud storage for sharing and distribution with command-line instructions.

Cloud Storage Solutions also supports file storage using FTP, and asynchronous transfers, parallel transfers, and a transfer progress indicator.

Cloud Storage Solutions for i entitlements are acquired on a per virtual server (per partition) basis.

The new Advanced feature in version 1.2 provides compression and encryption of data. The Advanced feature is available at an additional charge on a per virtual server (per partition) basis. Clients who order the Advanced feature (Option 2) must also have the same partition quantity (or more) of the base feature (Option 1). Clients may choose to use the Cloud Storage Solutions base function in partitions without the Advanced compression and encryption. For example, if a client wants to use Cloud Storage Solutions Advanced feature in two partitions, they must have a quantity of two or more partition entitlements of the Cloud Storage Solutions base feature.

The Cloud Storage Solutions V1.1 base option for an unlimited number of virtual servers or partitions for a machine is no longer available in version 1.2. Clients who acquired version 1.1 Unlimited Partition entitlement and then upgrade to version 1.2 will be converted to a quantity of four partitions.

For more information on Cloud Storage Solutions for i, see the [IBM developerWorks^{\(R\)}](#) website.

Accessibility by people with disabilities

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

Program number

Program number	VRM	Program name
5733-ICC	1.2.0	Cloud Storage Solutions for i

Product identification number

Program PID number	Maintenance 1-year PID number	Maintenance 3-year PID number
5733-ICC	5660-ACC	5662-ACC
	5661-ACC	5663-ACC
		5664-ACC

Offering Information

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

Business Partner information

If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to Business Partner information for this announcement. A PartnerWorld[®] ID and password are required (use IBMid).

[BP Attachment for Announcement Letter 217-495](#)

Publications

No publications are shipped with these programs.

With the IBM Systems Information Center, users can use a single information center to access product documentation for IBM Systems hardware, operating systems, and server software. Through a consistent framework, users can efficiently find information and personalize their access to that information. For more information, see [IBM Knowledge Center](#).

Services

Software Services

IBM Software Services has the breadth, depth, and reach to manage your services needs. You can leverage the deep technical skills of our lab-based, software services team and the business consulting, project management, and infrastructure expertise of our IBM Global Services team. Also, we extend our IBM Software Services reach through IBM Business Partners to provide an extensive portfolio of capabilities. Together, we provide the global reach, intellectual capital, industry insight, and technology leadership to support a wide range of critical business needs.

To learn more about IBM Software Services, contact your Lab Services Sales or Delivery Leader.

Technical information

Specified operating environment

Software requirements

IBM i 7.2, or later.

Limitations

Additional information can be found on the [License Information documents](#) page on the IBM Software License Agreement website.

IBM Electronic Support

The IBM Support Portal is your gateway to technical support. This includes IBM Electronic Support tools and resources, for software and hardware, to help save time and simplify support. The Electronic Support tools can help you find answers to questions, download fixes, troubleshoot, automate data collection, submit and track problems through the Service Request online tool, and build skills. All these tools are made available through your IBM support agreement. Read about the Electronic Support portfolio of tools on the [IBM Electronic Support](#) website.

You can also access the [IBM Support Portal](#) page and the online [Service requests and PMRs](#) tool for more support.

Security, auditability, and control

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

Ordering information

5733-ICC -IBM Cloud Storage Solutions for i

Program number	Feature description	OTC feature number
5733-ICC	Unlimited to Per Partition Virtual Srvr Migration	0003
5733-ICC	Advanced Partition Virtual Srvr	0004
Program number	Feature description	Supply feature number
5733-ICC	IBM Cloud Storage Solutions for i	5819
Program number	Feature description	Process option feature number
5733-ICC	ePoE Reg-Advanced	6201

5733-NKY -OS/400^(R) no keys

Program number	Feature description	Supply feature number
5733-NKY	Advanced Virt Srvr	2866

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

Extending coverage for a total of three years from the date of acquisition may be elected. Order the program number, feature number, and quantity to extend coverage for your software licenses. If maintenance has expired, specify the after-license feature number.

5660-ACC -IBM Cloud Storage Solutions for i SWMA 1Y Registration/ Renewal

Maintenance PID number	Feature description	OTC feature number
5660-ACC	Maintenance 1 Year 7 x 24	2259
5660-ACC	Maintenance No Charge Registration	2261
Maintenance PID number	Feature description	Process option feature number
5660-ACC	Electronic Delivery only	3453

5661-ACC -IBM Cloud Storage Solutions for i SWMA 1Y After License

Maintenance PID number	Feature description	OTC feature number
5661-ACC	Maintenance 1 Year 7 x 24	0920
5661-ACC	Maintenance 1 Year After License	0921
Maintenance PID number	Feature description	Process option feature number
5661-ACC	Electronic Delivery only	3453

5662-ACC -IBM Cloud Storage Solutions for i SWMA 3Y Registration

Maintenance PID number	Feature description	OTC feature number
5662-ACC	Maintenance 3 Year 7 x 24	1417
5662-ACC	Maintenance 3Yr Registration	1418
Maintenance PID number	Feature description	Process option feature number
5662-ACC	Electronic Delivery only	3453

5664-ACC -IBM Cloud Storage Solutions for i SWMA 3Y After License

Maintenance PID number	Feature description	OTC feature number
5664-ACC	Maintenance 3 Year 7 x 24	0001
5664-ACC	Maintenance 3 Year After License	0002
Maintenance PID number	Feature description	Process option feature number
5664-ACC	Electronic Delivery only	3453

Charge metric

Program name	Part number or PID number	Charge metric
IBM Cloud Storage Solutions	5733-ICC	Per virtual server

Virtual Server

Virtual Server is a unit of measure by which the program can be licensed. A *server* is a physical computer that is comprised of processing units, memory, and input/output capabilities and that executes requested procedures, commands, or applications for one or more users or client devices. Where racks, blade enclosures, or other similar equipment is being employed, each separable physical device (for example, a blade or a rack-mounted device) that has the required components is considered itself a separate server. A virtual server is either a virtual computer created by partitioning the resources available to a physical server or an unpartitioned physical server. Licensee must obtain Virtual Server entitlements for each virtual server made available to the program, regardless of the number of processor cores in the virtual server or the number of copies of the program on the virtual server.

Terms and conditions

The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction with IBM are contained in the applicable contract documents such as the IBM International Program License Agreement, IBM International Passport Advantage^(R) Agreement, and the IBM Agreement for Acquisition of Software Maintenance.

Licensing

IBM International Program License Agreement including the License Information document and Proof of Entitlement (PoE) govern your use of the program. PoEs are required for all authorized use.

This software license includes Software Subscription and Support (also referred to as Software Maintenance).

Agreement for Acquisition of Software Maintenance

The IBM Agreement for Acquisition of Software Maintenance (Z125-6011) applies for Subscription and Support (also referred to as Software Maintenance) and does not require customer signatures.

These programs are licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provide for support with ongoing access to releases and versions of the program. IBM includes one year of Software Subscription and Support with the initial license acquisition of each program acquired. The initial period of Software Subscription and Support can be extended by the purchase of a renewal option, if available. These programs have a one-time license charge for use of the program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as access to updates, releases, and versions of the program as long as support is in effect.

License Information number

License number	Program name
GC52-1401	IBM Cloud Storage Solutions for i

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

Limited warranty applies

Yes

Limited warranty

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

IBM provides you with access to IBM databases containing information on known program defects, defect corrections, restrictions, and bypasses at no additional charge. For further information, see the [IBM Software Support Handbook](#).

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

Program support

Subscription and Support includes telephone assistance, as well as access to updates, releases, and versions of the program as long as support is in effect. You will be notified of discontinuance of support with 12 months' notice.

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 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

No

Usage restrictions

Yes

See the [License Information documents](#) for details.

Software Subscription and Support applies

Yes. All distributed software licenses include Software Subscription and Support (also referred to as Software Maintenance) 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.

While your Software Subscription and Support is in effect, IBM provides you assistance for your routine, short duration installation and usage (how-to) questions, and code-related questions. IBM provides assistance by telephone and, if available, electronic access, only to your information systems (IS) technical support personnel during the normal business hours (published prime shift hours) of your IBM support center. (This assistance is not available to your end users.) IBM provides Severity 1 assistance 24 hours a day, every day of the year. For additional details, go to the [IBM Support Handbooks](#) page.

Software Subscription and Support does not include assistance for the design and development of applications, your use of programs in other than their specified operating environment, or failures caused by products for which IBM is not responsible under this agreement.

For more information about the Passport Advantage^(R) Agreement, go to the [Passport Advantage and Passport Advantage Express^{\(R\)}](#) website.

IBM Operational Support Services - SoftwareXcel

Yes

System i Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

Yes. A 15% education allowance applies to qualified education institution customers.

Multi-Version Measurement

Multi-Version Measurement (MVM) replaces the previously announced Migration Grace Period time limit of six months and allows unlimited time for clients to run more than one eligible version of a software program. Clients may run multiple versions of a program simultaneously for an unlimited duration during a program version upgrade. Clients may also choose to run multiple versions of a program

simultaneously for an unlimited duration in a production environment. MVM does not extend support dates for programs withdrawn from service.

For more information about MVM, including requirements for qualification, see the [MVM](#) web page. For a list of eligible programs, see the [IPLA Execution-Based](#) web page.

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.

Important: IBM does not warrant that any systems, products, or services are immune from, or will make your enterprise immune from, the malicious or illegal conduct of any party.

IBM Electronic Services

Electronic Service Agent™ and the IBM Electronic Support web portal are dedicated to providing fast, exceptional support to organizations that have IBM Systems. The IBM Electronic Service Agent tool is a no-additional-charge tool that proactively monitors and reports hardware events, such as system errors, performance issues, and inventory. The Electronic Service Agent tool can help you stay focused on your company's strategic business initiatives, save time, and spend less effort managing day-to-day IT maintenance issues. Servers enabled with this tool can be monitored remotely around the clock by IBM Support, all at no additional cost to you.

Now integrated into the base operating system of AIX^(R) V5.3, AIX V6.1, and AIX V7.1, Electronic Service Agent is designed to automatically and electronically report system failures and utilization issues to IBM, which can result in faster problem resolution and increased availability. System configuration and inventory information collected by the Electronic Service Agent tool also can be viewed on the secure Electronic Support web portal, and used to improve problem determination and resolution by you and the IBM support team. To access the tool main menu, simply type `smitty esa_main`, and select Configure Electronic Service Agent. In addition, ESA now includes a powerful web user interface, giving the administrator easy access to status, tool settings, problem information, and filters. For more information and documentation on how to configure and use Electronic Service Agent, go to the [IBM Electronic Support](#) website.

The IBM Electronic Support portal is a single internet entry point that replaces the multiple entry points traditionally used to access IBM internet services and support. This portal enables you to gain easier access to IBM resources for assistance in resolving technical problems. The My Systems and Premium Search functions make it even easier for organizations that are Electronic Service Agent tool-enabled to track system inventory and find pertinent fixes.

Benefits

Increased uptime: The Electronic Service Agent™ tool is designed to enhance the Warranty or Maintenance Agreement by providing faster hardware error reporting and uploading system information to IBM Support. This can translate to less wasted time monitoring the symptoms, diagnosing the error, and manually calling IBM

Support to open a problem record. Its 24 x 7 monitoring and reporting mean human intervention is not required to report errors.

Security: The Electronic Service Agent tool is designed to be secure in monitoring, reporting, and storing the data at IBM. The Electronic Service Agent tool is designed to securely transmit either through the internet (HTTPS or VPN) or modem to provide organizations a single point of exit from their site. Communication is one way. Activating Electronic Service Agent does not enable IBM to call into an organization's system.

For additional information, go to the [IBM Electronic Service Agent](#) website.

More accurate reporting: Because system information and error logs are automatically uploaded to the IBM Support Center in conjunction with the service request, you are not required to find and send system information, decreasing the risk of misreported or misdiagnosed errors. Once inside IBM, problem error data is run through a data knowledge management system and knowledge articles are appended to the problem record.

Customized support: Using the IBMid entered during activation, you can view system and support information in the *My Systems and Premium Search* sections of the [IBM Electronic Support](#) page.

My Systems provides valuable reports of installed hardware and software using information collected from the systems by Electronic Service Agent. Reports are available for any system associated with your IBMid. Premium Search combines the function of search and the value of Electronic Service Agent information, providing advanced search of the technical support knowledgebase. Using Premium Search and the Electronic Service Agent information that has been collected from your system, you are able to see search results that apply specifically to your systems.

For more information on how to utilize the power of IBM Electronic Services, contact your IBM Systems Services Representative, or go to the [IBM Electronic Support](#) website.

Prices

For additional information and current prices, contact your local IBM representative.

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Program number	Feature description	OTC feature number
5662-ACC	Maintenance 3 Year 7 x 24	1417
5662-ACC	Maintenance 3Yr Registration	1418

5664-ACC -IBM Cloud Storage Solutions for i SWMA 3Y After License

Program number	Feature description	OTC feature number
5664-ACC	Maintenance 3 Year 7 x 24	0001
5664-ACC	Maintenance 3 Year After License	0002

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For IBM representative: askibm@ca.ibm.com

For IBM Business Partner: pwcs@us.ibm.com

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Note: Shipments will begin after the planned availability date.

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