

IBM z/OS Cloud Broker V1.1.0 delivers z/OS services and resources that run on IBM Z servers for cloud-native application development in a Red Hat OpenShift environment

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Overview

Organizations need container technology and associated orchestration and management platforms to build and then deploy modern cloud-native applications. To enable organizations to help protect and integrate their IT investments into their cloud-native development strategies, IBM^(R) delivered z/OS^(R) Cloud Broker V1.0 so they can access and deploy z/OS services onto a Kubernetes-based cloud platform.

In addition to a redesigned administration dashboard, the primary capability for z/OS Cloud Broker V1.1.0 delivers support and integration with the Red Hat OpenShift container platform. This satisfies the statement of direction as announced in Software Announcement [AP19-0423](#), dated September 10, 2019.

Capabilities that were delivered with z/OS Cloud Broker V1.0 include:

- Direct, self-service access to z/OS computing resources by cloud developers which span the z/OS middleware portfolio for IBM Z^(R) servers.
- Exploitation of the open-source, Kubernetes (K8) container management platform for managing containerized workloads and services which delivers easier to deployment, scaling, and management of cloud native applications.
- Maximum control over resources and z/OS software subsystem instances. The operations team has control over resources and z/OS software subsystem instances through both the operating system and the configurable cloud security of the cloud platform.
- Access to service catalogs with customized z/OS services that can exploit the multi-tenancy and rapid elasticity of z/OS
- Agility for z/OS to help businesses protect, integrate, and grow their IT investments into their cloud-native development environments.

For more detailed information about z/OS Cloud Broker V1.0, see [IBM Marketplace](#) and Software Announcement [AP19-0035](#), dated May 14, 2019.

Key requirements

z/OS Cloud Broker requires:

- One of the following IBM servers:
 - z15

- z14 (all models)
- z13^(R) (all models)
- IBM Cloud™ Private base infrastructure or Red Hat OpenShift container platform
- z/OS V2.2, z/OS V2.3, or z/OS V2.4
- z/OS MF setup and configured with Cloud Provisioning and Management for z/OS

For additional details, see the [Technical information](#) section.

Planned availability date

December 13, 2019

Accessibility by people with disabilities

Accessibility Compliance Reports (previously known as a VPAT) containing details on accessibility compliance to standards, including the Worldwide Consortium Web Content Accessibility Guidelines, European Standard EN 301 349, and US Section 508, can be found on the [IBM Accessibility Conformance Report Request](#) website.

Reference information

For additional information about z/OS Cloud Broker, see [IBM Marketplace](#) and Software Announcement [AP19-0035](#), dated May 14, 2019.

For information about Red Hat OpenShift, see the [Red Hat](#) webpage.

For information about IBM Cloud Pak for Applications, see Software Announcement [AP19-0375](#), dated August 6, 2019.

For information about IBM Cloud Private, see Software Announcements:

- [AP19-0276](#), dated May 28, 2019
- [AP18-0425](#), dated September 11, 2018
- [AP17-0452](#), dated October 24, 2017

For information on the z15 server, see Hardware Announcement [AG19-0032](#), dated September 12, 2019.

For information on the z14 servers, see Hardware Announcements:

- [AG18-0074](#), dated October 2, 2018
- [AG17-0044](#), dated July 17, 2017

For information on the z14 Model ZR1 server, see Hardware Announcements:

- [AG18-0074](#), dated October 2, 2018
- [AG18-0018](#), dated April 10, 2018

For information on the z13 servers, see Hardware Announcements:

- [AG16-0058](#), dated June 7, 2016
- [AG16-0002](#), dated February 16, 2016
- [AG15-0001](#), dated January 14, 2015

For information on the z13s^(R) servers, see Hardware Announcements:

- [AG16-0058](#), dated June 7, 2016

- [AG16-0002](#), dated February 16, 2016

Program number

Program number	VRM	Program name
5635-ZCB	1.1.0	IBM z/OS Cloud Broker
5635-ZCS	1.0.0	IBM z/OS Cloud Broker S&S

Program number	Subscription and support program number
5635-ZCB	5635-ZCS

Education support

IBM training provides education to support many IBM offerings. Descriptions of courses for IT professionals and managers can be found on the [IBM Training and Skills](#) website.

Contact your IBM representative for course information.

Specific product education on z/OS Cloud Broker is available on [IBM Knowledge Center](#).

Offering Information

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

Publications

Technical documentation will be available on [IBM Knowledge Center](#) on December 13, 2019.

Technical information

Specified operating environment

Hardware requirements

z/OS Cloud Broker is supported on the following hardware platforms:

- IBM z15
- IBM z14 (all models)
- IBM z13 (all models)

Detailed hardware requirements for z/OS Cloud Broker will be available from [IBM Knowledge Center](#) on December 13, 2019.

For any hardware requirements for IBM Cloud Private, see [System requirements](#).

Software requirements

z/OS Cloud Broker requires:

- IBM Cloud Private or Red Hat OpenShift
- z/OS V2.2, z/OS V2.3, or z/OS V2.4
- z/OS MF setup and configured with Cloud Provisioning and Management for z/OS

- Recommended PTFs for Cloud Provisioning and Management for z/OS Plugin for z/OSMF:
 - V2.2
 - UI62931
 - UI63122
 - V2.3
 - UI62926
 - UI63275
 - V2.4
 - UI64445
 - UI64622

Detailed software requirements for z/OS Cloud Broker will be available from [IBM Knowledge Center](#) on November 15, 2019.

For any software requirements for IBM Cloud Private, see [System requirements](#).

IBM Support

[IBM Support](#) is your gateway to technical support tools and resources that are designed to help you save time and simplify support. IBM Support can help you find answers to questions, download fixes, troubleshoot, submit and track problem cases, and build skills. Learn and stay informed about the transformation of IBM Support, including new tools, new processes, and new capabilities, by going to the [IBM Support Insider](#).

You can also access the [Service requests and PMRs](#) website for additional support options.

Planning information

Packaging

z/OS Cloud Broker (5635-ZCB) is packaged as follows:

Deliverable	Form number	Medium
z/OS Cloud Broker Licensed Code	None	Electronic
z/OS Cloud Broker Licensed Code DVD	LCD7-7081	Physical
z/OS Cloud Broker License Information	GC27-9421	Electronic
z/OS Cloud Broker License Information CD	LC27-9430	Electronic Physical
z/OS Cloud Broker README	GI13-4389	Electronic Physical

IBM recommends internet delivery from [Shopz](#). However, if you still require physical media, you can choose DVD. Contact your IBM representative or IBM Business Partner.

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.

Security, auditability, and control

z/OS Cloud Broker uses the security and auditability features of the host operating system software.

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

Ordering information

Consult your IBM representative.

The program in this announcement has Value Unit-based pricing.

Program number	Program name	Value Unit exhibit
5635-ZCB	IBM z/OS Cloud Broker	VUE039

For each IBM Z IPLA program with Value Unit pricing, the quantity of that program needed to satisfy applicable IBM terms and conditions is referred to as the **required license capacity**. Your required license capacity is based upon the following factors:

- The IBM Z IPLA program you select
- The applicable Value Unit Exhibit
- The applicable terms
- Whether your current mainframes are full-capacity or sub-capacity

Value Unit exhibit VUE039

Usage Level, Cumulative	Minimum	Maximum	Value Units/ Broker Connection
1	1	4	1.00
2	5	10	0.65
3	11	15	0.50
4	16	25	0.40
5	26	+	0.20

Charge metric

For z/OS Cloud Broker charge metrics, see the following License Information document on the [IBM Software License Agreement](#) website.

Program name	Program number	License Information document number
IBM z/OS Cloud Broker	5635-ZCB	L-NADN-BGDQPF

Select your language of choice and scroll down to the Charge Metrics section.

Basic license

This offering uses Value Unit Exhibit VUE039.

Ordering information remains unchanged from Software Announcement [AP19-0035](#), dated May 14, 2019.

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.

Software Maintenance

The *IBM Agreement for Acquisition of Software Maintenance (Z125-6011)* applies for Software Subscription and Support (Software Maintenance) and does not require client signatures:

This program is 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. 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

The following License Information document applies to the offering in this announcement:

Program identifier	License Information document title	License Information document number
5635-ZCB	IBM z/OS Cloud Broker	L-NADN-BGDQPF

Select your language of choice. Follow-on releases, if any, may have updated terms. See the [License Information documents](#) 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 Support Guide](#).

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

Program technical support

Technical support of a program product version or release will be available for a minimum of two years from the general availability date, as long as your Software Subscription and Support (also referred to as Software Maintenance) is in effect.

This technical support allows you to obtain assistance (by telephone or electronic means) from IBM for product-specific, task-oriented questions regarding the installation and operation of the program product. Software Subscription and Support (Software Maintenance) also provides you with access to versions, releases,

and updates (CD releases, Long Term Support Releases or fixes) of the program. You will be notified, through an announcement letter, of discontinuance of support with six months' notice. If you require additional technical support from IBM, including an extension of support beyond the discontinuance date, contact your IBM representative or IBM Business Partner. This extension may be available for a fee.

For additional information on the IBM Software Support Lifecycle Policy, see the [IBM Software Support Lifecycle Policy](#) website.

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)

No

Passport Advantage applies

No

Usage restrictions

Yes

For any usage restrictions, see the License Information document listed in this [Terms and conditions](#) section.

Software Subscription and Support applies

Yes. During the Software Subscription and Support period, for the unmodified portion of a program, and to the extent problems can be recreated in the specified operating environment, IBM will provide the following:

- Defect correction information, a restriction, or a bypass.
- Program updates: Periodic releases of collections of code corrections, fixes, functional enhancements and new versions and releases to the program and documentation.
- Technical assistance: A reasonable amount of remote assistance by telephone or electronically to address suspected program defects. Technical assistance is available from the IBM support center in the organization's geography.

Additional details regarding Technical Assistance, which includes IBM contact information, are provided in the [IBM Support Guide](#).

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.
- Failures caused by products for which IBM is not responsible under the IBM Agreement for Acquisition of Software Maintenance.

Software Subscription and Support is provided only if the program is within its support timeframe as specified in the Software Support Lifecycle policy for the program.

Variable charges apply

No

Educational allowance available

15%, to qualified educational institution clients.

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.

Prices

The prices are unchanged by this announcement.

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AP distribution

Country/Region	Announced
AP	
ASEAN *	Yes
India/South Asia **	Yes
Australia	Yes
Hong Kong	Yes
Macao SAR of the PRC	Yes
Mongolia	Yes
New Zealand	Yes
People's Republic of China	Yes
South Korea	Yes
Taiwan	Yes

* Brunei Darussalam, Cambodia, Indonesia, Lao People's Democratic Republic, Malaysia, Myanmar, Philippines, Singapore, Thailand, Timor-Leste, and Vietnam

** Bangladesh, Bhutan, India, Maldives, Nepal, and Sri Lanka

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