IBM Cloud Application Platform V2.0 brings together the tools and capabilities you need to modernize your existing applications, all on a flexible pricing metric

At a glance

IBM Cloud™ Application Platform is an integrated solution that helps to modernize your applications to cloud native deployments under an offering with flexible entitlement.

IBM's long experience in modernizing applications has culminated in the introduction of IBM Cloud Application Platform. Taking the very best tools developed through engagements with clients around the world, IBM(R) has created a bundle that:

- Provides all the necessary tooling you need to migrate your existing apps to a microservices-based architecture
- Provides flexible entitlement that ensures you have sufficient entitlements before, during, and after a modernization project
- Uses a simple and consistent metric, Virtual Processor Core
- Offers a trade-up that honors existing investment in WebSphere(R) Application Server and moves you to IBM's next-generation platform, IBM Cloud Private
- Provides a clear path forward, and all the tools necessary, for clients looking to modernize their existing WebSphere environments to IBM's next-generation platform, IBM Cloud Private
- Provides flexibility to deploy and undeploy bundled products at any time
- Provides consistent application platform technologies for both Java™ and Polyglot
- Supports both container and VM deployments
- Includes IBM Cloud Private, WebSphere Application Server ND, WebSphere Application Server, WebSphere Application Server Liberty Core, Transformation Advisor, Microclimate, Cloud Foundry, and Cloud Automation Manager

Overview

IBM Cloud Application Platform combines application modernization and cloud native application development into a single, consolidated offering. IBM Cloud Application Platform enables clients to build cloud native applications and to modernize existing applications in a common, more efficient management model. It provides:

- Application modernization and cloud native application development in a single, consolidated offering.

- A clear path forward, and all the tools necessary, for clients looking to modernize their existing WebSphere environments to IBM's next-generation platform, IBM Cloud Private.
- A simple and consistent metric, Virtual Processor Core.
- A flexible entitlement that enables you to run existing and new workloads side-by-side, from a single offering, as you modernize applications from one platform to the next.
- The ability to trade up your existing Subscription and Support (S&S) or move to a term-based model on your S&S anniversary date. Clients with active entitlement to IBM Cloud Application Platform can access new bundled products as they are added without going through a new procurement process.

Key requirements

An internet connection is required.

Planned availability date

February 26, 2019

Description

IBM Cloud Private

IBM Cloud Private is an integrated platform for developing and managing containerized applications. This private, integrated environment can be deployed behind firewalls and managed or controlled in flexible options, as the enterprise needs dictate. It is built on open source frameworks such as Cloud Foundry and the container orchestrator Kubernetes, and contains a private image repository, a management console, monitoring tools, and a robust catalog of services. With the choice of either Kubernetes-based or Cloud Foundry-based runtimes, your organization gains the flexibility to choose its cloud application runtimes. It also enables integrations to popular open source and cloud native tools, as well as IBM application middleware and development services.

IBM Cloud Private is designed to address the challenges of enterprises with business-critical applications that were developed in a monolithic, waterfall approach. While these applications are running in production successfully, their seclusion means that they cannot be used for innovation and modern application needs as required by the business. To help enterprises modernize these applications, IBM Cloud Private provides a dashboard and tools which use application analytics to provide prescriptive guidance for refactoring these applications to be modular, resilient, and managed efficiently. This opens opportunities for developers to harness the powerful information of business-critical applications and data in modern development models such as microservices and 12-factor applications.

IBM WebSphere Application Server

WebSphere Application Server, with its traditional and Liberty runtimes, offers industry-leading, production-ready, standards-based Java EE-compliant architectures that support the API Economy and underpin business transformation. WebSphere Application Server offers an ideal infrastructure that is well-suited for enterprise IT, upon which businesses can deliver composable applications. This allows secure, flexible, and efficient access to internal or external software components and services. WebSphere runtimes in DevOps workflows make it easy to integrate WebSphere into modern toolchains and DevOps implementations. WebSphere support for IBM Cloud Private, public clouds, traditional servers, and Docker container deployments provides seamless hybrid topologies.

WebSphere Application Server configurations are built on a common server foundation that delivers the same Java EE and broad programming model support, and proven transactional engine, with increasingly higher qualities of service available across product configurations. Furthermore, the Liberty profile is included across the various configurations, delivering a highly composable, fast-to-start, and ultra-lightweight profile of the application server. Optimized for developer and operational productivity for web applications, WebSphere Liberty was built to address the new challenges of microservices and cloud native applications. This offers unparalleled flexibility to incrementally add higher quality of service to applications as business needs change without the cost of rearchitecting, reprogramming, or migrating to different technology bases.

With IBM Cloud Application Platform, you get IBM's leading platform solutions in one bundle, without having to choose between private cloud-based platforms or traditional server deployments, or public cloud WebSphere deployments. IBM Cloud Application Platform offers all of those platform options, with the ability to mix and match as you need to today and the flexibility to change that mix over time as you transition and create more applications for the cloud. The programs that are included are full function and all are made available by using the easy-to-understand Virtual Processor Core (VPC) pricing metric. A VPC ratio table is used to define program entitlements per VPC.

IBM Cloud Application Platform helps you:

- Build cloud native applications with IBM Cloud Private Cloud Native edition
- Modernize existing WebSphere environments to IBM's next-generation platform, IBM Cloud Private, with all of the necessary tools, such as IBM Transformation Advisor and Microclimate
- Deploy WebSphere Application Server ND, WebSphere Application Server, WebSphere Application Server Liberty Core, Cloud Private Cloud Native edition, Cloud Automation Manager, and Cloud Foundry for ultimate flexibility to deploy applications on VMs or containers
- Deploy and undeploy bundled products at any time
- Take advantage of flexible entitlement that ensures you have sufficient entitlements before, during, and after a modernization project
- Use a simple and consistent metric, Virtual Processor Core, which can be tracked by either IBM Cloud Private Metering or IBM License Metric Tool
- Trade up to IBM Cloud Application Platform from the following products: IBM Cloud Private Cloud Native, Cloud Automation Manager, WebSphere Application Server ND, WebSphere Application Server, and WebSphere Application Server Liberty Core

Accessibility by people with disabilities

A US Section 508 Accessibility Compliance Report containing details on accessibility compliance can be found on the Product accessibility information website.

Reference information

For more information about IBM Cloud Private, see Software Announcement ZP17-0449, dated June 27, 2017.

Program number

Program number	VRM	Program name
5737-E67	2.0.0	IBM Cloud Private

Offering Information

Product information is available on the IBM Offering Information website.

More information is also available on the Passport Advantage^(R) and Passport Advantage Express^(R) website.

Publications

None.

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

Software requirements

Software requirements for IBM Cloud Private can be found in IBM Knowledge Center.

For WebSphere Application Server operating requirements, see the WebSphere Application Server Detailed System Requirements website.

Planning information

Packaging

This offering is accessed through the internet. There is no physical media or electronic deliverable.

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.

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Passport Advantage

Part description	Part number
IBM Cloud Application Platform Standard Virtual Processor Core Monthly License	D22GULL
IBM Cloud Application Platform Standard Virtual Processor Core License + SW Subscription & Support 12 Months	D22H2LL
IBM Cloud Application Platform Standard Virtual Processor Core SW Subscription & Support Reinstatement 12 Months	D22H3LL
IBM Cloud Application Platform Standard Virtual Processor Core Annual SW Subscription & Support Renewal	E0PXHLL
IBM Cloud Application Platform Dynamic Virtual Processor Core Monthly License	D22GVLL

Passport Advantage trade-up

Part description	Part number
IBM Cloud Application Platform Virtual Processor Core from 70 PVUs of IBM WebSphere Application Server Network Deployment Trade Up License + SW Subscription & Support 12 Months	D22H4LL
IBM Cloud Application Platform Virtual Processor Core from 280 PVUs of IBM WebSphere Application Server Trade Up License + SW Subscription & Support 12 Months	D22H5LL
IBM Cloud Application Platform Virtual Processor Core from 560 PVUs of IBM WebSphere Application Server Liberty Core Trade Up License + SW Subscription & Support 12 Months	D22H6LL
IBM Cloud Application Platform Virtual Processor Core from 7 VPCs of IBM Cloud Foundry Trade Up License + SW Subscription & Support 12 Months	D22H7LL
IBM Cloud Application Platform Virtual Processor Core from 13 VPCs of IBM Cloud Private Automation Manager for Managed Environments Trade Up License + SW Subscription & Support 12 Months	D22H9LL
IBM Cloud Application Platform Virtual Processor Core from 3 VPCs of IBM Cloud Private Trade up License + SW Subscription & Support 12 Months	D22JMLL

Clients must have current Software Subscription and Support (S&S) in place for all of the licenses that will be traded up by the use of the trade-up parts numbers.

Consult your IBM representative if you have any questions.

Cross-platform product for use on IBM Z(R) Integrated Facility for Linux(R) (IFL) engines or zEnterprise(R) BladeCenter Extension

Order the part numbers that follow when the product is intended to run on zEnterprise BladeCenter Extension or the Linux operating system on IBM Z IFL engines. If the product is not intended to run in these environments, order from the other set of part numbers in this announcement. This set of part numbers provides the identical supply and authorization as the other set in this announcement.

Part description	Part number
IBM Cloud Application Platform Standard for Linux on IBM Z Virtual Processor Core License + SW Subscription & Support 12 Months	D22JKLL
IBM Cloud Application Platform Standard for Linux on IBM Z Virtual Processor Core Annual Subscription & Support Renewal	E0PY7LL
IBM Cloud Application Platform Standard for Linux on IBM Z Virtual Processor Core Subscription & Support Reinstatement 12 Months	D22JLLL
IBM Cloud Application Platform Standard for Linux on IBM Z Virtual Processor Core Monthly License	D22JNLL
IBM Cloud Application Platform Dynamic for Linux on IBM Z Virtual Processor Core Monthly License	D22JPLL

Charge metric

The charge metrics for this licensed product can be found in the following License Information document:

Program identifier	License Information document title	License Information document number
5737-E67	IBM Cloud Application Platform	L-CAQY-B8WS4V

Select your language of choice and scroll down to the "Charge Metrics" section. Follow-on releases, if any, may have updated terms. See the License Information documents website for more information.

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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
5737-E67	IBM Cloud Application Platform	L-CAQY-B8WS4V

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Limited warranty applies

Yes.

Limited warranty

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Volume orders (IVO)

No.

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Yes, information is available on the Passport Advantage and Passport Advantage Express website.

Software Subscription and Support applies

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Variable charges apply

No.

Educational allowance available

Education allowance does not apply. Education software allowance does not apply. Special education prices are available for qualified clients through Passport Advantage.

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

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Passport Advantage

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Announcement countries

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