



# IBM Cloud private V1.2, the next-generation private cloud, helps to transform enterprise workloads with cloud native services and analytical insights

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## At a glance

IBM<sup>(R)</sup> Cloud private:

- Provides an integrated cloud platform for enterprise workloads that need to be run in a client-controlled and secure environment.
- Is based on Docker containers and Kubernetes technologies with integrated operations management and developer services. IBM Cloud private is designed for creating cloud native applications based on the 12-factor app principles, and technology designs such as microservices architectures.
- Has the ability to use application analytics and provide prescriptive guidance for modernization. IBM Cloud private is designed for refactoring heritage enterprise applications to the cloud era --componentized, leveraged for multiple enterprise needs, highly optimized, and available.
- Includes popular open source tools, and IBM application middleware and development services. IBM Cloud private is a complete environment to help developers and operations admins unleash innovation and meet enterprise business needs.

## Overview

IBM Cloud private provides an integrated and private IaaS and PaaS cloud platform. Enterprises leverage the platform for three main use cases:

- Developing and running production cloud native applications in a private cloud
- Securely integrating and using data and services from sources external to the private cloud
- Refactoring and modernizing heritage enterprise applications

The integrated platform uses open source technologies at the IaaS and PaaS layers with integrated operational management and DevOps capabilities. IBM Cloud private is differentiated by providing production application services -- application runtimes, data and analytics services, messaging services, caching services, plus many more that are necessary for developers to quickly and iteratively innovate based on their enterprise business needs. This private cloud platform is part of the broader IBM Cloud portfolio and provides choice with consistency across IBM public, private, and dedicated cloud models.

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## Key prerequisites

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An internet connection is required.

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## Planned availability date

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June 27, 2017

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## Description

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IBM Cloud private is the next generation of private cloud for the enterprise. Enterprises that have stringent regional, governmental, and industry-based regulations require strict control over their applications and data. They want operations optimization, infrastructure access, development efficiencies, and speed to market, which can be gained from public clouds, but they must abide by the regulations that are imposed for their industry, geographical region, and corporation.

IBM Cloud private provides an integrated IaaS and PaaS environment that can be deployed on premises, behind firewalls, managed and controlled by whomever the enterprise determines. With a lightweight footprint, yet powerful platform capabilities, IBM Cloud private allows enterprises to unleash their development creativity, using industry-common technologies and process guidance, in a minimal timeframe.

Many enterprises have heritage business-critical applications that have been developed in a monolithic, waterfall approach. These applications are running in production successfully, but are a closed box that is not able to be used for new innovation and modern application needs as required by the business. IBM Cloud private can take advantage of application analytics to determine 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 application methodologies.

Platform technologies enabling cloud native development include Docker containers and Kubernetes with integrated operations management for security, logging, monitoring, and event management. IBM Cloud private also provides access to necessary application development runtimes and data services such as IBM Microservices Builder, Liberty Java™ runtime, DB2<sup>(R)</sup>, MQ, Redis, dashDB™, and many other services.

This next-generation private cloud is the platform for developing cloud native applications, securely integrating external data and services, and modernizing heritage enterprise workloads in a cloud world.

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## Program number

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Program number	VRM	Program name
5737-E67	1.2.0	IBM Cloud private

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## Offering Information

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

More information is also available on the [Passport Advantage<sup>\(R\)</sup>](#) and [Passport Advantage Express<sup>\(R\)</sup>](#) website.

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## Services

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### Software Services

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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.

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## Technical information

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### Specified operating environment

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#### Software requirements

##### Operating systems

- RHEL 7.1, 7.2 (x86 and Power<sup>(R)</sup>)
- Ubuntu 16.04 LTS (x86 and Power)

##### Windows<sup>TM</sup> browser

- Internet Explorer 11
- Firefox 44 and 45
- Chrome 50.0.2661

**Linux<sup>TM</sup> browser** : Firefox 44 and 45 (ESR 38 and ESR45)

**MacOS browser** : Safari 9.0.1

### Planning information

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#### Packaging

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

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## Ordering information

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Product: IBM Cloud private (5737-E67)

### Passport Advantage

Program description	Part number
IBM Cloud private Install Annual SW Subscription & Support Renewal	E0NT6LL
IBM Cloud private Install License + SW Subscription & Support 12 Months	D1URQLL

Program description	Part number
IBM Cloud private Install Monthly License	D1US2LL
IBM Cloud private Install SW Subscription & Support Reinstatement 12 Months	D1URRLL
IBM Cloud private Virtual Processor Core Annual SW Subscription & Support Renewal	E0NT7LL
IBM Cloud private Virtual Processor Core License + SW Subscription & Support 12 Months	D1URTLL
IBM Cloud private Virtual Processor Core Monthly License	D1US3LL
IBM Cloud private Virtual Processor Core SW Subscription & Support Reinstatement 12 Months	D1URULL

### Charge metric

Program name	PID number	Charge metric
IBM Cloud private	5737-E67	Install
IBM Cloud private	5737-E67	Virtual Processor Core

### Install

Install is a unit of measure by which the Program can be licensed. An Install is an installed copy of the Program on a physical or virtual disk made available to be executed on a computer. Licensee must obtain an entitlement for each Install of the Program.

### Virtual Processor Core

Virtual Processor Core is a unit of measure by which the Program can be licensed. A Physical 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 Physical Server. A Virtual Server is either a virtual computer created by partitioning the resources available to a Physical Server or an unpartitioned Physical Server. A Processor Core (commonly called a processor or CPU) is a functional unit within a computing device that interprets and executes instructions. A Processor Core consists of at least an instruction control unit, and one or more arithmetic or logic units. A Virtual Processor Core is a Processor Core in an unpartitioned Physical Server, or a virtual core assigned to a Virtual Server. Licensee must obtain entitlement for each Virtual Processor Core made available to the Program.

**Note:** Some programs may require licenses for the Program of the lesser of the sum of all virtual cores or all physical cores. In that case, the following applies. For each Physical Server, Licensee must have sufficient entitlements for the lesser of 1) the sum of all available Virtual Processor Cores on all Virtual Servers made available to the Program or 2) all available Processor Cores on the Physical Server.

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## **License Information number**

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L-CAQY-AN2SE7

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## **Limited warranty applies**

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Yes

## **Limited warranty**

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Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

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**Volume orders (IVO)**

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No

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**Passport Advantage applies**

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

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**Software Subscription and Support applies**

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Yes. 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 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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**Variable charges apply**

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No

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**Educational allowance available**

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Not applicable

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**Statement of good security practices**

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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

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## Prices

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