**IBM Cloud PowerVC Manager for Software Defined Infrastructure reduces complexity in building new clouds on OpenPOWER and PowerVM systems**

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**At a glance**

IBM® Cloud PowerVC Manager for Software Defined Infrastructure (SDI):

- Enables clients to build a robust cloud without requiring Fibre Channel  
- Reduces infrastructure complexity for simplified administration  
- Utilizes IBM Spectrum Scale™ to build a virtual storage area network (SAN) across the server's local disk storage (2 TB per socket)  
- Allows network virtualization through PowerVC's software-defined networking capabilities  
- Enables unified management of PowerVM® and KVM based hypervisors through one PowerVC instance  
- Supports OpenPOWER and PowerVM systems  

**Note:** PowerVC capabilities for IBM i in Tech Preview mode only.

**Overview**

IBM Cloud PowerVC Manager for Software Defined Infrastructure allows administrators to build SAN-less clouds. This enables clients to build a robust cloud without requiring Fibre Channel and simplifies the infrastructure complexity for the administrator. This solution utilizes IBM Spectrum Scale to build a virtual SAN across the server’s local storage. Spectrum Scale provides the redundancy across servers, performance, and support needed for the solution and PowerVC configures, updates, and manages the cloud. PowerVC also provides software-defined networking (SDN) capabilities. Clients can utilize these capabilities on their PowerVM and KVM on Power®R® infrastructure.

**Key prerequisites**

PowerVC Cloud Manager for SDI includes 2 TB Spectrum Scale per socket.

**Planned availability date**

December 15, 2017
Description

IBM Cloud PowerVC Manager for Software Defined Infrastructure provides:

*Software-defined networking*
- Supports vxlan overlay networks
- Supports the OpenStack Neutron API

*Software-defined storage*
- PowerVC integrates IBM Spectrum Scale as a new block storage layer.
- PowerVC provides a simplified storage interface and experience.

*Integrated private cloud*
- Out-of-the-box PowerVC management
- Self-service provisioning
- Built on OpenStack

*Accessibility by people with disabilities*

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

*Section 508 of the US Rehabilitation Act*

IBM Cloud PowerVC Manager for Software Defined Infrastructure is capable as of December 15, 2017, when used in accordance with IBM’s associated documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it. A US Section 508 Voluntary Product Accessibility Template (VPAT) can be found on the IBM Accessibility website.

Reference information

For additional information on PowerVM, PowerVC, and Cloud PowerVC Manager enhancements, see Software Announcement 217-494, dated October 10, 2017.

Program number

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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 217-507

Offering Information

Product information is available on the IBM Offering Information website.

Publications

None

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

Hardware requirements

Power Systems™ servers with IBM POWER8(R) processors

- Compute: 8+ cores, 256+ GB memory
- Network: 10/40 GigE
- Storage: 6 disks, at least one SSD

Software requirements

- For PowerVM, Firmware 860.30, or later
- NovaLink V1.0.0.8

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.

**Planning information**

**Packaging**

My Entitled Systems Support:

- ESS sign-in site (must have customer number or hardware serial number to get in)
- ESS help (instructions on how to use)

**Ordering information**

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

Extending coverage for a total of three years or five 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.

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**Socket**

Socket is a unit of measure by which the Program can be licensed. A Socket is electronic circuitry that accepts a processor chip. A server is a physical computer that is comprised of processing units, memory, and input/output capabilities 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 the unpartitioned physical server. Licensee must obtain entitlements for each Socket on the virtual servers made available to the Program.

**System Program Order (SPO)**

An order for SPO 5692-A6P is mandatory for shipments of program distribution. The individual licensed program orders are for registration and billing purposes only. No shipment occurs under these orders.

Specify feature number 2333.

Machine-readable materials are available only on CD-ROM. To receive shipment of machine-readable materials the order needs to include SPO 5692-A6P. The individual licensed program order (for example, 5692-A6P) must still be ordered but will be for registration and billing purposes only and will not result in shipment of materials.

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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® Agreement, and IBM Agreement for Acquisition of Software Maintenance.

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

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**License Information number**

LI number: C23-5150

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 technical support**

Technical support of a program product version or release will be available for a minimum of three 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 updates (modifications or fixes), releases, and versions of the program. You will be notified, through an announcement letter, of discontinuance of support with 12 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
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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

**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.

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

**System i Software Maintenance applies**

No

**Variable charges apply**

No

**Educational allowance available**

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

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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 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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Benefits

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### Prices

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[ENUS-217-507-LIST_PRICES_2017_10_10.PDF](https://www.ibm.com/support/)

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