

IBM Power Virtualization offers new enhancements

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Overview

IBM^(R) PowerVM^(R) V3.1, which delivers industrial-strength enterprise virtualization for IBM AIX^(R), IBM i, and Linux^(R) environments on IBM POWER^(R) processor-based systems, has expanded function and management capabilities.

PowerVM V3.1 uses on-chip compression/encryption capabilities to provide a more secure Live Partition Mobility (LPM) option that encrypts and compresses VMs during mobility operations. This capability is now available for all IBM POWER9TM technology-based servers with PowerVM, including all scale-out servers.

PowerVM V3.1 includes Virtual I/O Server (VIOS) V3.1, which has been streamlined for improved performance and a smaller footprint. VIOS 3.1 includes new capabilities:

- VIOS Service Packs (2.2.6.40 and 3.1.0.20)
- vNIC support for the PCIe4 100 GbE NIC (PCIe4 2-port 100 GbE RoCE x16 adapter (#EC66 and #EC67; CCIN 2CF3))
- Removed VIOS dependencies on JavaTM 7

PowerVM NovaLink will be updated to V1.0.0.13.

IBM PowerVC is designed to simplify the management of virtualized and cloud resources in IBM Power^(R) Systems environments.

PowerVC 1.4.3 provides:

- Support for all POWER9 enterprise servers
- Redundant HMC (Auto Failover) support
- Latest OpenStack Stein support
- Dell EMC PowerMAX support
- VMAX REST driver upgrade

Key requirements

- For IBM PowerVM Linux Edition (5765-VL3): IBM POWER 7+, IBM POWER8^(R), or IBM POWER9 technology-based server.
- For IBM PowerVM Standard Edition (5765-VS3): POWER 7+ or POWER8 technology-based server.
- For IBM PowerVM Enterprise Edition (5765-VE3): POWER 7+, POWER8, or POWER9 technology-based server.
- IBM PowerVC V1.4 (5765-VCS/VCC/VCD) supports any IBM system that includes an IBM POWER7^(R), POWER7 +, POWER8, or POWER9 processor.

Planned availability date

- May 10, 2019, for PowerVM enhancements, adding feature 3453 (5765-VE3, 5765-VS3, and 5765-VL3)
- May 10, 2019, for Cloud Management Console 12-Month Registration Per Socket on Server (5773-CMT)
- June 21, 2019, for PowerVC (5765-VCS, 5765-VCD, and 5765-VCC)

Program number

Program number	VRM	Program name
5765-VE3	3.1.0	IBM PowerVM Enterprise Edition
5765-VS3	3.1.0	IBM PowerVM Standard Edition
5765-VL3	3.1.0	IBM PowerVM Linux Edition
5765-VCS	1.4.3	IBM PowerVC Standard Edition
5765-VCD	1.1.3	IBM Cloud™ PowerVC Manager for Software Defined Infrastructure
5765-VCC	1.4.3	IBM Cloud PowerVC Manager

Offering Information

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

Hardware requirements

- For PowerVM Linux Edition (5765-VL3): POWER 7+, POWER8, or POWER9 technology-based server.
- For PowerVM Standard Edition (5765-VS3): POWER 7+ or POWER8 technology-based server.
- For PowerVM Enterprise Edition (5765-VE3): POWER 7+, POWER8, or POWER9 technology-based server.
- PowerVC V1.4 (5765-VCS, 5765-VCC, 5765-VCD) supports any IBM system that includes an POWER7, POWER7 +, POWER8, or POWER9 processor.

Software requirements

The program's specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as a readme file, or other information published by IBM, such as an announcement letter. Documentation and other program content may be supplied only in the English language.

Planning information

Packaging

These offerings are already announced.

Ordering information

Consult your IBM representative.

Program number	Feature description	OTC feature number
5773-CMT	12 Month Registration Per Socket on Server	Z1RWJA

Note: Program PID 5773-CMT was announced in Software Announcement [ZP18-0274](#), dated August 7, 2018.

Charge metric

These offerings are already announced

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.

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be extended by the purchase of a renewal option, if available. Two charges apply: 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

These offerings are already announced.

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](#).

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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)

No

Passport Advantage applies

No

Software Subscription and Support applies

These offerings are already announced.

IBM Operational Support Services - Support Line

No

System i Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

Yes. When ordering through the program number process, a 15% education allowance applies to qualified education institution clients.

Education Software Allowance Program applies when ordering through the program number process.

ESAP available

Yes, to qualified 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.

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Now integrated into the base operating system of AIX 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 Service Agent](#) 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

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