

# IBM delivers the IBM Power Systems Hardware Management Console Virtual Appliance 10.1

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## Overview

IBM<sup>(R)</sup> Power<sup>(R)</sup> Systems Hardware Management Console (HMC) Virtual Appliance 10.1 provides support for the new IBM Power10 platform.

Key new functionality includes:

- Power10 enterprise server and I/O device support
- Supports the inclusion of Power10 servers in IBM Power Enterprise Pools 2.0
- VIOS management enhancements
  - VIOS maintenance tool provides backup and restore, verifies redundancy of dual VIOS and VIOS setup
  - Command line and scheduled operations support for VIOS backup and restore
  - Option to failover all virtual network interface cards (VNICs) from one VIOS to another
- Supports only 128 MB or 256 MB Logical Memory Block (LMB) sizes in Power10 servers
- Automatically chooses fastest network for LPM (Live Partition Mobility) memory transfer
- HMC user experience enhancements
  - Usability and performance improvements
  - Enhancements to help content global search
  - Quick view of serviceable events
  - Additional progress information for UI wizards
- Enables LPM or remote restart when the virtual optical device is assigned to a VM
- Ability to configure:
  - Login retries
  - Suspended time (Users can decide how much time the user id should be suspended if the limit on failed login retried is hit.)
  - Support for inactivity expiration in password policy
- Ability to specify HMC location and data replication for groups

The HMC virtual appliance is available in e-config to manage all IBM Power8, Power9, and Power10 hardware that includes IBM PowerVM<sup>(R)</sup>.

With this release of the HMC, management of older IBM Power7 technology-based platforms is no longer supported.

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## Key requirements

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Minimum requirements for running the HMC virtual appliance:

- 4 CPUs
- 16 GB of memory
- 4 virtual processors
- 2 network interfaces (maximum of 4 allowed)
- 1 disk drive that contains 500 GB of available disk space

For additional hardware and software requirements for the Power technology-based or x86-based products, see the Hardware requirements and Software requirements sections.

The HMC virtual appliance is available in e-config to manage all Power8, Power9, and Power10 hardware that includes PowerVM.

With this release of the HMC, management of older Power7 technology-based platforms is no longer supported.

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## Planned availability date

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September 17, 2021

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## Program number

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Program number	VRM	Program name
5765-VHP	10.1.0	IBM HMC Virtual Appliance Power
5765-VHX	10.1.0	IBM HMC Virtual Appliance x86

Program number	Maintenance 1-year Program number	Maintenance 1-year ALC Program number	Maintenance 3-year Program number
5765-VHP	5771-HMA	5771-HMC	5773-HMA

Program number	Maintenance 1-year Program number	Maintenance 1-year ALC Program number	Maintenance 3-year Program number	Maintenance 3-year Renewal Program number	Maintenance 3-year ALC Program number
5765-VHX	5660-HMV	5661-HMV	5662-HMV	5663-HMV	5664-HMV

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## Offering Information

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

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## Services

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### Global Technology Services

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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.

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## Technical information

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### Specified operating environment

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#### **Hardware requirements**

Minimum requirements for running the HMC virtual appliance:

- 4 CPUs
- 16 GB of memory
- 4 virtual processors
- 2 network interfaces (maximum of 4 allowed)
- 1 disk drive that contains 500 GB of available disk space

#### **5765-VHP (Power based)**

The Power Systems HMC virtual appliance requires a Power server with a POWER8<sup>(R)</sup>, or later, technology-based processor. For additional information, see the [Installing the HMC Virtual Appliance](#) web page.

#### **5765-VHX (x86 based)**

The x86-based HMC virtual appliance requires an x86 64-bit hardware with hardware virtualization assists (Intel<sup>TM</sup> VT-x or AMD-V).

#### **Software requirements**

##### **5765-VHP (Power based)**

- PowerVM

##### **5765-VHX (x86 based)**

- KVM 2.5.0 on Ubuntu 16.04 LTS or Red Hat<sup>(R)</sup> Enterprise Linux<sup>(R)</sup> 7
- Xen on SUSE Linux Enterprise Server 12 or Ubuntu 16.04
- VMware<sup>(R)</sup> ESXi 6.0, or later

#### **IBM Support**

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### Planning information

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#### **Packaging**

The Power Systems HMC Virtual Appliance includes product installation documentation and files.

A free 90-day trial version of vHMC is available for download at [IBM vHMC Trial Registration](#) site. Support is not available for a trial vHMC, but if a customer decides to buy vHMC after trial then support is included in the purchase price.

Your Proof of Entitlement (PoE) for this program is a copy of a paid sales receipt, purchase order, invoice, or other sales record from IBM or its authorized reseller from whom you acquired the program, provided that it states the license charge

unit (the characteristics of intended use of the program, number of processors, and number of users) and quantity acquired.

Information about how you may obtain program services will be provided by the party (either IBM or its authorized reseller) from whom you acquired the program.

Electronic download is available for this offering, provided that the following prerequisites are met:

- SWMA and license announced as BT31 and BT19 (customer entitled)
- SWMA active in AAS / CHIS

How to get access to software downloads for customer-entitled products:

1. Access the [IBM ESS](#) website.
2. Enter your customer number during registration.
3. If CHIS service, select the contract number and use that for validation.
4. If brand SWMA, select the system number:
  1. BT31 and BT19 SWMA will get a dummy system number most of the time.
  2. The customer should call the WW Software Key Support (phone number or email under Contacts on ESS).
  3. Customer support will provide a system number value for registration.
  4. If you have any other contracts with IBM for system-entitled products, you can use that information for registration (as access is per customer number or enterprise in US).
5. When registration is completed, go to *Software download* and find the software there (select OS and version and look for the license on the resulting list).

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## Ordering information

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Consult your IBM representative.

### ***HMC Virtual Appliance Power (5765-VHP)***

<b>Program number</b>	<b>Feature description</b>	<b>OTC Feature number</b>
5765-VHP	Per Install	V8M2BG

  

<b>Program number</b>	<b>Feature description</b>	<b>Process Option Feature number</b>
5765-VHP	ESD	3450

  

<b>Program number</b>	<b>Feature description</b>	<b>Supply Feature number</b>
5765-VHP	Supply	5809

### ***HMC Virtual Appliance x86 (5765-VHX)***

<b>Program number</b>	<b>Feature description</b>	<b>OTC Feature number</b>
5765-VHX	Per Install	U8M3C1

  

<b>Program number</b>	<b>Feature description</b>	<b>Process Option Feature number</b>
5765-VHX	ESD	3450

  

<b>Program number</b>	<b>Feature description</b>	<b>Supply Feature number</b>
5765-VHX	Supply	5809

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

Extending coverage for a total of three 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.

### Maintenance PIDs description for AAS

#### 5765-VHP -IBM HMC Virtual Appliance Power

Maintenance PID number	Description
5771-HMA	HMC Virtual Appliance R/R 1 Year
5771-HMC	HMC Virtual Appliance A/L
5773-HMA	HMC Virtual Appliance R/R 3 Year

**Note:** The SWMA PIDs above were previously announced and will be associated to 5765-VHP.

#### 5765-VHX -IBM HMC Virtual Appliance x86

Maintenance PID number	Description
5660-HMV	HMC Virtual Appliance R/R 1 Year
5661-HMV	HMC Virtual Appliance A/L 1 Year
5662-HMV	HMC Virtual Appliance Reg 3 Year
5663-HMV	HMC Virtual Appliance Ren 3 Year
5664-HMV	HMC Virtual Appliance A/L 3 Year

**Note:** The SWMA PIDs above were previously announced and will be associated to 5765-VHX.

### Charge metric

The charge metrics for these licensed products can be found in the following License Information documents:

Program identifier	License Information document title	License Information document number
5765-VHP	HMC Virtual Appliance Power	<a href="#">L-PTMS-C2KFF4</a>
5765-VHX	HMC Virtual Appliance x86	<a href="#">L-PTMS-C2KFF4</a>

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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## Terms and conditions

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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<sup>(R)</sup> Agreement, and the IBM Agreement for Acquisition of Software Maintenance.

### Licensing

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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.

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

## Software Maintenance

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

Licenses under the IBM International Program License Agreement (IPLA) provide for support with ongoing access to releases and versions of the program. IBM includes one year of Software Subscription and Support with the initial license acquisition of each program acquired. The initial period of Software Subscription and Support can 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

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The charge metrics for these licensed products can be found in the following License Information documents:

Program identifier	License Information document title	License Information document number
5765-VHP	HMC Virtual Appliance Power	<a href="#">L-PTMS-C2KFF4</a>
5765-VHX	HMC Virtual Appliance x86	<a href="#">L-PTMS-C2KFF4</a>

Follow-on releases, if any, may have updated terms. See the [License Information documents](#) website for more information.

## Limited warranty applies

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Yes

## Limited warranty

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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).

## Money-back guarantee

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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)

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Yes. Contact your IBM representative.

### **Passport Advantage applies**

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No

### **Software Subscription and Support applies**

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Yes. All distributed software licenses include Software Subscription and Support 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.

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, or failures caused by products for which IBM is not responsible under this agreement.

### **System i Software Maintenance applies**

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No

### **Variable charges apply**

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No

### **Educational allowance available**

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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**

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Yes, to qualified clients.

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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 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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For all local charges, contact your IBM representative.

### ***HMC Virtual Appliance Power (5765-VHP)***

<b>Program number</b>	<b>Feature description</b>	<b>OTC Feature number</b>
5765-VHP	Per Install	V8M2BG

### ***HMC Virtual Appliance x86 (5765-VHX)***

<b>Program number</b>	<b>Feature description</b>	<b>OTC Feature number</b>
5765-VHX	Per Install	U8M3C1

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## **Announcement countries**

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All European, Middle Eastern, and African countries, except Islamic Republic of Iran, Syrian Arab Republic, and the Crimea region of Ukraine (Crimea).

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