

**Hardware Management Console Readme**

For use with Version 8 Release 8.1.0

Date: 8 September 2014

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The information in this Readme contains fix list and other package information about the Hardware Management Console.

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**PTF MH01420 HMC V8 R8.1.0 Service Pack 1**

This package represents a service pack image that can be used to update your HMC from HMC V8R8.1.0 to HMC V8R8.1.0 Service Pack 1. You can also reference this package by APAR MB03793 and MB03795. This image can be installed on top of HMC Version 8 Release 8.1.0 Recovery installation (MH01419) with or without additional PTFs installed.

<b>Package name</b>	<b>Size</b>	<i>Package information</i>	<b>Checksum (sha1sum)</b>	<b>APAR#</b>	<b>PTF#</b>
HMC_Update_V8R810_SP1.iso	1833422848	e8ae8483cc6fe4d2c72f1b7a9da1355ddf662151		MB03794	MH01420
<b>Splash Panel information (or lshmc -V output)</b>					
lshmc -V					
Version: 8					
Release: 8.1.0					
Service Pack: 1					
HMC Build level 20140901.2					
", "base_version=V8R8.1.0					
"					

**Enhancements and new function**

- A new Enhanced GUI option is now available. When logging into the GUI, both the Classic option and Enhanced option are available for selection. For further information on the options and tasks available, refer to the [IBM Knowledge Center](#).

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**General fixes**

This package provides the following fixes:

- Fixed a problem where profile sync was not saving the AME factor when changed from a dtpar operation.
- Fixed a problem where lssyscfg -r lpar --osrefresh may fail with "Unknown error" message.
- Fixed performance degradation of lshwres -r virtualio scsi -F topology.
- Fixed a problem where adding static routes via the HMC GUI appears to complete successfully however the routing table was not updated.
- Fixed an issue where deleting the last virtual ethernet adapter on a network did not delete the virtual network causing attempts to delete the virtual switch to fail with HSCL2689. HMC will now delete the virtual network object when the last virtual ethernet adapter on the network is deleted.
- Fixed a problem where schedule operations of Backup Critical Console Data still listed local DVD as an option even though support for DVD was removed.
- Fixed a problem where the HMC may incorrectly report serviceable event E212E114.
- Fixed a problem where HMC is not able to backup critical console data to an NFS mounted remote file system if the remote server does not support NFS version 4.
- Fixed a problem where user hscroot did not have read access to /var/log/messages file.
- Enhanced version mismatch connection errors due to OPAL hypervisor to include a reference code of "unsupported hypervisor".
- Fixed a problem where VEPA mode did not display on SRIOV physical port properties.

- Fixed a problem with key mappings on the space-saving keyboard with some non\_US English locales.
- Fixed a problem where the GUI may stop updating lpar and cec state changes; requiring a reboot to recover.
- Fixed an issue with updating GUI panels when using Internet Explorer set to Japanese locale.
- Fixed a problem where a query for Processor Pool information to the pegasus server returned incorrect values for the reserved value.
- Fixed an issue where opening the properties for a virtual ethernet adapter can take up to 15 minutes if an IBM i partition is in an error state.
- Fixed a problem where opening a 5250 console window on the local HMC fails to connect displaying "TOKnnnnnnnn" when the system or partiton name contains one or more spaces.
- Fixed a problem where the updhmc command prints an unneeded iptables listing to the terminal session.

## Security

- Fix for SSH Weak Algorithms

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## Known issues in HMC

- Static routes that were created manually from the command line at V8R8.1.0 will need to be added again from the HMC GUI after MH01420 has been installed. Any routes that have not been added from the GUI will be lost when changes are made to the network settings.
- A static route of type "host" added via the HMC GUI with an interface of "any" will not be implemented in the routing table. Select a specific interface, instead of "any" to avoid this.
- If the HMC has systems in a "No Connection" state, the functionality of REST API may be affected and Manage PowerVM GUI may not launch.  
**Workaround:** Fix the network issue or remove the system in "No Connection" state (with the **rmsysconn** command) to proceed.
- If a custom user is logged in to the Enhanced GUI and attempting to perform a dynamic operation for memory or processor, the operation may return an error that the user does not have permissions to perform the task.  
**Workaround:** Both the "Modify Partitions" and "DLPAR Operations" task roles must be assigned to HMC user.
- Creating a new Shared Storage Pool may result in error "There are no sufficient physical volumes to create a cluster." or the LUN/Physical Volumes are not visible on the HMC although they do show in the VIOS under "lspv -free".  
**Workaround:** Update the VIOS to 2.2.3.4 or after adding new LUNs, reboot the HMC to discover them.
- While using Enhanced GUI in HMC, if Add Virtual Network fails, the HMC may leave unused Virtual Ethernet Adapters in VIOS. You may have to delete the unused adapters manually.
- Attempting to change the data utilization sampling rate may result in error HSCL 1585. "There was an unknown error while querying the object manager database."  
**Workaround:** Enable PCM for the CEC under HMC Management -> Change Performance Monitor Settings -> toggle the Collection column for the managed system, then change the data utilization sampling rate.
- When a user tries to delete the virtual network from Manage PowerVM > Virtual Network GUI, an error message may be returned "The selected network is already associated to partition".  
**Workaround:** The user can login using the Classic GUI or VIOS CLI to delete the virtual ethernet.
- When using the Enhanced GUI in HMC there is no option to delete an unused Virtual Switches. Deleting the last virtual network may result in error message "REST0203 DeleteVirtualSwitch failed with exit value 1. Please find error details below [HSCL3670 There was an error accessing the management console persistent storage area."  
**Workaround:** Login to the Classic GUI using Virtual Network Management to delete Virtual Switches.
- If VIOS installation fails while deploying a system template, and the user manually fixes the problem with the installation, the wizard will not recheck status and will hang indefinitely.  
**Workaround:** Cancel the wizard to close the window.
- When the HMC is in NIST mode after this Service Pack is applied, the hmc mode will get automatically changed to legacy.  
**Workaround:** Reissue the command to change the HMC mode back to NIST: **chhmc -c security -s modify -mode nist\_sp800\_131a**
- When the HMC is in NIST mode after a backup/restore operation connection to the HMC may fail for Chrome browsers.  
**Workaround:** Connect to the HMC with **https://<ip>/hmc/connect** or change the mode to legacy and back to nist via the **chhmc** command.

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## Web browser requirements

- Internet Explorer 9 and 11 are supported.
- Use the latest available Firefox ESR 17.x and 24.x version, as it may have security fixes. Users should check this page for recommendations: [Security Advisories for Firefox ESR](#)
- Chrome 33
- For all browsers, JAVA Runtime Version 7 is required.

**Installation**

For the latest updates, please see the Readme file for HMC V8R8.1.0 available at [IBM Fix Central](#).

Installation instructions for HMC Version 8 upgrades and corrective service can be found at these locations:

[Upgrading or restoring HMC Version 8](#)

[Installation methods for HMC Version 8 fixes](#)

Instructions and images for upgrading via a remote network install can be found here:

[HMC V8 network installation images and installation instructions](#)

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