

Hardware Management Console Readme

Version 9 Release 1 Maintenance 921 (V9 R1 M921) README

Updated: 16 November 2018

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Contents

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

- [Terminology](#)
- [PTF MH01789](#)
- [PTF MH01790](#)
- [Enhancements and New Function](#)
- [List of fixes](#)
- [Commandline changes](#)
- [Known issues](#)
- [Installation](#)

Terminology

x86 - This term is used to reference the legacy HMC that runs on x86/Intel/AMD hardware for both the 7042 Machine Type appliances and the Virtual HMC that can run on the Intel hypervisors (KVM, VMWare, Xen).

ppc64 or ppc64le - describes the Linux code that is compiled to run on Power-based servers or LPARS (Logical Partitions)

DNS - Domain Name Server

GUI - Graphical user interface

vHMC - Virtual HMC. The HMC appliance that runs in supported VM Hypervisors

PTF MH01789 HMC V9 R1.921.0 Service Pack - for 7042 Machine Types or vHMC for x86 hypervisors (5765-HMW)

This package represents a service pack image that can be used to update your HMC from HMC V9 R1.910.0 to the HMC V9 R1.921.0 Service Pack. You can also reference this package by PTF MH01789 and APAR MB04177. This image can be installed on top of HMC Version 9 Release 1 910.0 Recovery installation PTF MH01733 with or without additional SPs or PTFs installed.

- Service packs are cumulative and will include all the interim fixes for the PTFs released up to and including the last service pack(s) for this HMC version. Please read the individual Readme files for each PTF to see the list of interim fixes.
- HMC V9R1 is the last supported release for the 7042 appliance models. The vHMC for x86 hypervisors will continue to be supported for V9 HMC.

| <i>Package information</i> | | | | |
|--|------------|--|---------|---------|
| Package name | Size | Checksum (sha1sum) | APAR# | PTF# |
| HMC_Update_V9R1M921_SP1_x86.iso | 3592904704 | 33c46016d15aa6e5bb953b9717e150196aab3971 | MB04177 | MH01789 |
| Splash Panel information (or lshmc -V output) | | | | |
| <pre>"version= Version: 9 Release: 1 Service Pack: 921 HMC Build level 1810262054 MH01759 - HMC V9R1 M920 [x86_64] MH01789 - HMC V9R1 Service Pack 1 Release (M921) [x86_64] ", "base_version=V9R1 "</pre> | | | | |

PTF MH01790 HMC V9 R1.921.0 Service Pack - for 7063 Machine Types or vHMC for PowerVM (5765-HMB)

This package represents a service pack image that can be used to update your HMC from HMC V9 R1.910.0 to the HMC V9 R1.921.0 Service Pack. You can also reference this package PTF MH01790 and APAR MB04178. This image can be installed on top of HMC Version 9 Release 910.0 Recovery installation PTF MH01735 with or without additional SPs or PTFs installed.

Note: Service packs are cumulative and will include all the interim fixes for the PTFs released up to and including the last service pack(s) for this HMC version. Please read the individual Readme files for each PTF to see the list of fixes.

| <i>Package information</i> | | | | |
|---|------------|--|---------|---------|
| Package name | Size | Checksum (sha1sum) | APAR# | PTF# |
| HMC_Update_V9R1M921_SP1_ppc.iso | 3563114496 | 1c808f656ee1c0a2aa7266ec4f82fd64200d333b | MB04178 | MH01790 |
| Splash Panel information (or lshmc -V output) | | | | |
| <pre>"version= Version: 9 Release: 1 Service Pack: 921 HMC Build level 1810262054 MH01760 - HMC V9R1 M920 [ppc64le] MH01790 - HMC V9R1 Service Pack 1 Release (M921) [ppc64le] ", " base_version=V9R1 "</pre> | | | | |

Enhancements and new function

New Functions

- Enabled HMC to support P9 System 9080-M9S
- Enhanced HMC to support Partition Secure Boot
- Added support for Multi-Factor Authentication using PowerSC MFA
- Enabled HMC to support iSCSI device

List of fixes

General fixes

- Fixed an issue where code update will fail when concurrent and non-concurrent levels are available in the same release and the user follows the wizard default path to find the latest current. The error and message returned are E302F978 "*Fix Pack Image not found.*"
- Fixed an issue that prevented error messages to display properly in "Create Partition" and "Deploy Template" panel when HMC locale is different from browser locale.
- Fixed an issue that caused HMC to generate service event E35A0006 under heavy load conditions with log files rotating very frequently.
- Added new column to display "CCIN" information in the Physical I/O adapter details panel along with feature codes and other details.
- Fixed a problem that can generate service event E355092F when there are many LDAP users configured on the HMC.
- Fixed an issue that prevented the event manager in HMC V9.1.920.x to interwork with the event manager on previous HMC versions. Attempting to add another HMC may fail with "*Connection could not be established with the management console*"
- Fixed an issue that caused a failure in modification of partition processor values in UI when the HMC locale uses a different decimal separator from the browser locale.
- Fixed an issue that allowed a user without access to an LPAR to activate the LPAR from command line interface (CLI) using the current configuration.
- Fixed an issue that caused an incorrect RMC status on the HMC for partitions after a NTP time adjustment.
- Fixed an issue that prevented modification of the "lpar start" policy parameter from UI with the following error:
REST014B Please find error details below [An invalid attribute value was entered. The attribute pair with the invalid value is "pend_mem_region_size=0". Please correct the configuration data and retry the command.]
- Fixed a problem that caused the Server adapter Id in Edit connection panel for virtual Fibre Channel created with "next available slot" even when the user specified the id information. This occurred only when the Server Adapter field was not in focus or user did not click "enter".
- Added support to create different adapters Ids(VLANs) while attaching multiple networks to LPAR in a single operation.
- Fixed an issue that caused mkauthkeys to fail on a hmc that has the ssh banner turned on.
- Fixed an issue that prevented GUI Relational view to load when switching from gallery view/table view.
- Added event descriptions for Reference code B181BA24
- Improved error message to be displayed to user when LPM fails due to insufficient memory on destination system.
- Fixed the system backplane image for System 9080-MHE in the system plan.
- Fixed issue in display of PCM network utilization graphs when network traffic is minimal.
- Fixed an issue where adding IBMi hosted SCSI adapter is disabled when Virtual I/O Servers exist and are shutdown or without an active RMC connection.
- Added login details of ssh clients in secure log
- Fixed an issue where importing an AIX install resource to HMC, does not show option for AIX 7.2
- Fixed an issue that caused excessive logging for message `"/opt/hsc/bin/backupLog: line 445: archiveCredMgrLogFile: command not found"`
- Fixed an issue in displaying error messages while creating a partition from template wizard on a non-english locale
- Fixed an issue that caused excessive logging in `/var/hsc/log/wlp/messages.log`

Security fix

- Addressed BIND vulnerability: CVE-2018-5740

Command line changes

- The **chmcauth** and **lshmcauth** commands have been added to support multi-factor authentication for the HMC.
- A new option has been added to the **getfile** command to get and deploy the PowerSC MFA client truststore key file on the HMC.
- The **chsyscfg**, **lssyscfg**, and **mksyscfg** commands have been enhanced to support partition secure boot.

Known issues and Limitations

- Security restrictions:
 - **In NIST mode:**
 - RMC code on partition does not support two HMC connections with mixed configuration i.e. one HMC running in NIST mode and other one in non-NIST mode. Both the HMCs must be in the same mode.
 - **In non-NIST mode:**
 - Following ciphers are not supported although the available cipher list shows them.

TLS_RSA_FIPS_WITH_3DES_EDE_CBC_SHA

Note this function is fully supported for all other Power systems assuming that the appropriate HMC, firmware and PowerVM levels installed.

Installation

Installation instructions for HMC Version 9 upgrades and corrective service can be found at these locations:

[Upgrading or restoring HMC Version 9](#)

[Updating, upgrading, and migrating your HMC machine code](#)

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

[HMC V9 network installation images and installation instructions](#)