Hardware Management Console Readme

For use with Version 8 Release 8.5.0
Updated: 15 February 2017

Contents

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

- Description
- Package Information
- Known Issues
- General fixes
- Installation
- PowerVM in Social Media

PTF HMC V8 R8.5.0 Service Pack 2

This package represents a service pack image that can be used to update your HMC from HMC V8 R8.5.0 to HMC V8 R8.5.0 Service Pack 2. You can also reference this package by PTF MH01657 and APAR MB04042. This image can be installed on top of HMC Version 8 Release 8.5.0 Recovery installation (PTF MH01616) with or without additional PTFs installed.

Note: Service packs are cumulative and as such will include all the 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.

Package information				
Package name	**Size**	**Checksum (sha1sum)**	**APAR#**	**PTF#**
HMC_Update_V8R850_SP2.iso	2191966208	06e7f3b30947efc755f6ffb548c50cddedf7fdc5	MB04042	MH01657
Splash Panel information (or lshmc -V output)				
"version= Version: 8 Release: 8.5.0 Service Pack: 2 HMC Build level 20170202.2 ","base_version=V8R8.5.0 "				

Install Notes

1. **Special Install Instructions:** Installing this PTF using the Enhanced+ interface may hang. Prior to installing this PTF using the web browser graphical interface perform the following:
1.   Log in again selecting the Log In option of "Classic".
2.   If already logged in to the HMC using Enhanced GUI, log off the HMC.
3.   Install using the normal installation instructions.

Alternatively, install this PTF using the CLI updhmc command.

Known issue

- In order to restore a backup after installing SP2, the 850 base installation + SP1 or later must be installed, then use the HMC Management > Restore Management Console Data task.

Back to top

General fixes

This package provides the following fixes:

- Fixed a rare issue where numerous managed system change events occurring in rapid succession could cause a system wide HMC performance issue or hang.
- Fixed a problem where an attempt to deploy a system plan created with the IBM system planning tool on a model MHE/MME fails with an error reported against two of the three system units: "*System plan system unit 9119_MME-1-0, type MME not valid as planned. Validation errors occurred when compared to every MME type system unit found on the managed system. system unit 9119_MME-1-0 planned hardware in this system unit not found on the managed system in any unit of type MME.*"
- Enhanced the handling of problem data files to prevent a possible root (/) file system full issue resulting in call home SRC E212E136.
- Fixed a problem that caused the root filesystem to reach the 80% utilization threshold and SRC E212E136 to be called home as a result. This problem only occurs when the "lshmc -h" command is run repeatedly.
- Prevent the generation and call home of SRC E3551231 every time a CR5 or CR6 model HMC is restarted.
- Fixed a problem that sometimes causes the deploy of a system plan created using the System Planning Tool for some server models, including 8286-41A and 8286-42A, to fail with error "*One of the I/O slots specified using the io_slots attribute has a missing or invalid DRC index. The value specified was "null".*". With this fix, the deploy will no longer fail since any I/O slots with a missing DRC index will be skipped. Therefore, after the system plan has been deployed, ensure that your partitions have been configured with all of their I/O slots.
- Fixed a rare problem that caused a server to return to the Save Area Version Mismatch state immediately after the partition data for the server was successfully recovered.
  Fixed a problem that caused the removal of a virtual I/O adapter from a Virtual I/O Server (VIOS) to fail with the message "*HSCLAB10 There is not a virtual NIC adapter in slot <slot number>.*" This problem only occurs when the VIOS is hosting virtual NICs and when the virtual I/O adapter being removed is in slot 128 or higher.
- Fixed a problem that caused the WWPN and WWNN information for Fibre Channel adapters to be missing from system plans created on the HMC. This problem only occurs for quad port Fibre Channel adapters.
- Prevented another occurrence of the generation and call home of SRC E3550925. This SRC is generated when creating a Kerberos user and no remote user ID is specified or the remote user ID specified is not valid.
- Fixed a problem that caused the following error to be displayed when trying to open the Virtual Storage Management GUI window:
  "*There was a problem running the VIOS command. HSCL2970 The IOServer Command has failed because of the following reason:*
  hdisk1,[VG NAME],???????,???????,???????,[PVID]

Volume group must be activated; use activatevg command."
This error occurs when a volume group on the Virtual I/O Server being queried is varied off.

- Fixed a problem causing partition migration operations to fail with the error "*HSCLA284 The request issued to the source mover service partition <MSP name> to start the migration has failed*". This problem only occurs if the same IP address is configured on both the source and destination MSPs and the user did not specify which MSP IP addresses to use for the partition migration operation.
- Fixed a rare hardware server failure causing the HMC connection to all managed systems to go down for several seconds. No user action was required as the hardware server restarts automatically after the failure.
- Prevent the generation and call home of SRC E355104B when a GUI session is disconnected while a GUI task is still running that tries to update the GUI.
- Improved the error message returned for a DLPAR error that occurs when the trunk priority or VLAN configuration of the virtual Ethernet trunk adapter being created is not compatible with the configuration of an existing trunk adapter.
- Changed the lshmcldap command to show an empty string for the LDAP search scope attribute instead of "one" when it is not configured on the HMC. When the scope attribute is not configured on the HMC, it could default to either "one" or "sub", which may lead to unexpected behaviour.
- Fixed a problem that caused the right parenthesis character ")" to look the same as the right curly brace character "}" in vterm console windows on the local HMC console.
- Fixed a problem that caused the chhmcldap command to sometimes falsely report success (a return code of 0 and no error message) when setting an attribute when the actual result was that the command did not set the specified attribute. This problem only occurs when the specified attribute is missing from the LDAP configuration file on the HMC.
- Fixed a problem with the View Network Topology GUI task that always caused the IP address and managed system information to be missing for the configured HMC Ethernet interfaces.
- Fixed a problem that caused extra mobile resources to appear in a Power enterprise pool following a pool update operation. This problem only occurs if an automatic permanent to mobile resource conversion on a server is successfully done during the update operation and when the total pool resource code had already been successfully entered on a previous pool update operation. The extra mobile resources in the pool cannot be corrected until this fix is applied to all of the HMCs managing the pool. Once this fix is applied, updating the pool with the latest pool configuration file will correct the mobile resources in the pool.
- Fixed an issue where serviceable event problem data upload would fail and generate SRC E3550421 when HMC A tries to callhome a problem through HMC B and the HMCs were at different fix levels. Applying this fix to the originating HMC (HMC A) allows successful transmission of problem data even if the callhome HMC (HMC B) is downlevel. Note that IBM recommends all HMCs participating as a callhome server be at the same fix level.
- Fixed an issue where email notifications for HMC reported service events were not sent when the failing machine type and model differs from the underlying model type of the POWER server (for example the 5146-GL6 Elastic Storage Server systems).
- Fixed a problem that caused the lpar_netboot command to fail with the error "*The system has no more ptys. Ask your system administrator to create more.*"
- Fixed a rare timing issue that can cause the HMC to not report a serviceable event for a managed server.
- Fixed an issue that caused the generation and call-home of SRC E35A0007 due to too many open files. This issue is rare.
- Improved the warning message displayed during a system template deploy operation when VIOS installation fails.
- Fixed an issue that caused the Enhanced GUI Serviceability -> Serviceability task for any IBM i partition to always hang while loading. This fix allows access to the control panel functions for IBM i partitions using the enhanced GUI.
- Fixed a problem that caused the deploy of a system template which has virtual I/O servers (VIOSs) with SR-IOV logical ports to fail with the error "*Too much capacity configured for the selected physical port*"

even when too much capacity was not configured. Also corrected the calculation of available capacity shown for a physical port on the VIOS logical port assignment page of the deploy system template task.

- Fixed a problem causing error 403 and error message "*The User does not have the authority to access the object LogicalPartition*" to be displayed when attempting to display the partitions of any server on the Enhanced+ GUI. This error occurs when there is a powered off server connected to the HMC and that server has never been connected to any HMC while it is in Standby or Operating state. To work around this problem, power on the server or remove it from the HMC. With this fix, the partitions on a powered off server that has never been connected to an HMC while it is in Standby or Operating state will not be displayed, but the partitions on all other servers will be displayed.

Installation

Special Install Instructions: Installing this PTF using the Enhanced+ interface may hang. Prior to installing this PTF using the web browser graphical interface perform the following:

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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

PowerVM in Social Media

Find recent updates and information about IBM PowerVM in the following DeveloperWorks Wiki and LinkedIn Group:

- PowerVM DeveloperWorks Wiki: ibm.biz/powervmwiki
- PowerVM LinkedIn Group: ibm.biz/powervmgrp

The PowerVM DeveloperWorks Wiki and the PowerVM LinkedIn Group facilitate direct communication between the user and the PowerVM development team. Please post your queries and comments in the IBM PowerVM LinkedIn Group. We are creating a set of FAQs based on all the queries we receive.