

Putting the Pieces Together:

HMC, eBMC, FSP, Firmware, ASMI & OS

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In This Session



The Components

Deep-dive into the Hardware Management Console (HMC), Flexible Service Processor (FSP), eBMC, and IBM i — what they are and how they relate.



Connectivity & Relationships

Understand how these components connect, communicate, and depend on each other across your POWER infrastructure.



Upgrades & Management

Step-by-step guidance on upgrading HMC code, server firmware, and the operating system — in the right order, the right way.

What We'll Cover



Components
Overview



Connectivity



Upgrade Order



HMC Code Updates



eBMC/FSP Firmware



System Plans



Partitions & Profiles



Users & Config



Service Agent



Remote Connections



Wrap-up

Components Overview

What is each component and what role does it play?

Hardware Management Console (HMC)

- Intel-based PC appliance running Linux — dedicated to managing POWER server partitions
- Supports POWER5 through POWER11 hardware generations
- **Core Functions:**

Partition management (create, activate, shut down)

HMC Licensed Internal Code maintenance

User access and role configuration

Service applications and Call Home

Local Information Center access

HMC — Key Capabilities

Management & Console

- Easy to manage via modern web UI
- Can serve as partition console
- Supports remote console access
- Remote access to the HMC itself
- Partitions run without HMC connection

Connectivity & Service

- Direct link to eBMC/FSP interface
- Access to ASMI (Advanced Systems Management Interface)
- Centralized firmware management
- Scheduled task automation
- Service agent & Call Home integration

HMC Version Compatibility

HMC Version	Supports POWER Generations	Notes
HMC V9	POWER7, POWER8, POWER9	Last classic view: 8.8.6
HMC V10	POWER8, POWER9, POWER10	Cannot load on CR9 or lower
HMC V11	POWER9, POWER10, POWER11	Required for POWER11
CR9 HMC	Supports firmware up to 9.9.2	Connects to Firmware 950

HMC V10 / V11 — sign-on screen

Hardware Management Console

Log in

User ID

Password

Log in



[Learn about the HMC Interface](#)



SYSTEMS
are all good



PARTITIONS
are all good



VIOS
are all good

0 Attention
LEDs

6 Serviceable
Events

HMC V9 — Sign-in

Hardware Management Console

Sign In

Authorized Access Only

The information contained in this network is proprietary and confidential, and is intended only for authorized employees of ITech Solutions. If you are not specifically authorized to access this network, any use, including copying and distribution, of information contained in this system is strictly prohibited. If you are no longer an authorized user of this information, do not read, copy, use or disclose any of it and return any information and/or

User Name

Password

[> About HMC Interface](#)

Sign In

5
SYSTEMS
are all good

18
PARTITIONS
are all good

3
VIOS
are all good

0 Attention LEDs

0 Serviceable Events

in

9

Flexible Service Processor (FSP) & eBMC

Independent Power Boundary

Runs on its own power boundary — continuously monitors hardware and environmental conditions even when the main system is powered off.

Firmware Loading

Loads PHYP code from Flash into system memory and starts the processors. Does not interact directly with IBM LIC or AIX/Linux.

Direct Communication Only

Communicates exclusively with the Real Control Panel, PHYP hypervisor, and the HMC. ASMI provides the browser-based window into FSP.

Diagnostics & Error Control

Provides hardware diagnostics, initialization, configuration, run-time error detection and correction throughout the system lifecycle.

Advanced Systems Management Interface (ASMI)

Connection Details

- Browser-based service processor menu system
- Connect via HTTPS through HMC Eth0 port
- POWER5: 192.168.2.147 / 192.168.3.147
- POWER6 to 11: 169.254.2.147 / 169.254.3.147

Administrative Functions

- Read service processor error logs
- Read vital product data (VPD)
- Configure and control the service processor
- Control system power on/off
- Perform general and administrator-level tasks

Launch ASMI from HMC

The screenshot shows the Power HMC interface. The top navigation bar includes a search bar and utility icons. The left sidebar contains a navigation menu with categories like System resources, HMC Management, and User management. The main content area is titled 'Systems' and shows a table with one selected system. A context menu is open over the selected system, listing various management actions.

Power HMC

Search for a system, partition, VIOS, tag or cluster

FBBEHMCP10.floridabarexam.org

Search

Dashboard

System resources

- Systems
- Partitions
- Virtual I/O servers
- Tags
- Shared storage pool clusters
- Power enterprise pools
- System plans
- Templates and OS Images

HMC Management

- Performance dashboard
- User management
- Logs
- Serviceability
- Call home

Systems 1

Details Usage Resources Levels All

1 item selected Create Connections and operations Performance Firmware Service CoD Config backup Cancel

<input checked="" type="checkbox"/>	System name	State	State detail	Machine type	Reference code	Description	Tags
<input checked="" type="checkbox"/>	Server-9105-41B-789B621	Operating		9105-41B			Edit tag

- Power off system
- Rebuild system
- Schedule operations
- Change system password
- VMI connection
- Launch Advanced System Management (ASM)
- Service processor status
- Setup FSP failover
- Initiate FSP failover
- Manage system profiles
- Power management
- Manage partition availability priority
- View workload management groups
- Capture with physical I/O as template
- Capture without physical I/O as template
- Reset or remove system connection

ASMI — Advanced Systems Management Interface

Systems

2

The screenshot shows a Microsoft Edge browser window titled "Advanced System Management - Personal - Microsoft Edge". The address bar displays the URL `https://192.168.1.56/asmproxy/AsmProxy/proxy?asmip=172.16.222.41`. The page header features the IBM logo and the text "Advanced System Management". On the right side of the header, it says "Copyright © 2002, 20 IBM Corporation All rights reserved".

The main content area is a login form with the following fields and options:

- User ID:** A text input field.
- Password:** A password input field.
- Language:** A dropdown menu currently set to "English".
- Log in:** A button to submit the login information.

Below the login form, there is a "Welcome" message and system information:

Server-9009-41A-
SN7836550

FW950.11 (VL950_075)

Update Access Key Exp Date (YYYY-MM-DD):

Machine type-model: 9009-41A
Serial number: 7836550
Date: 2025-5-13
Time: 19:39:29 UTC
Service Processor: Primary (Location: U78D2.001.WZS06L8-P1-C1)

The User Status table which displays user ids and the status of user ids are only visible to users logged in with at least admin privileges.

Partitions — LIC and IBM i

- Licensed Internal Code (LIC): product 5770-999 — unchanged from previous releases
- IBM i OS: product 5770-SS1 (same approach applies to AIX)
- **Critical Distinctions:**

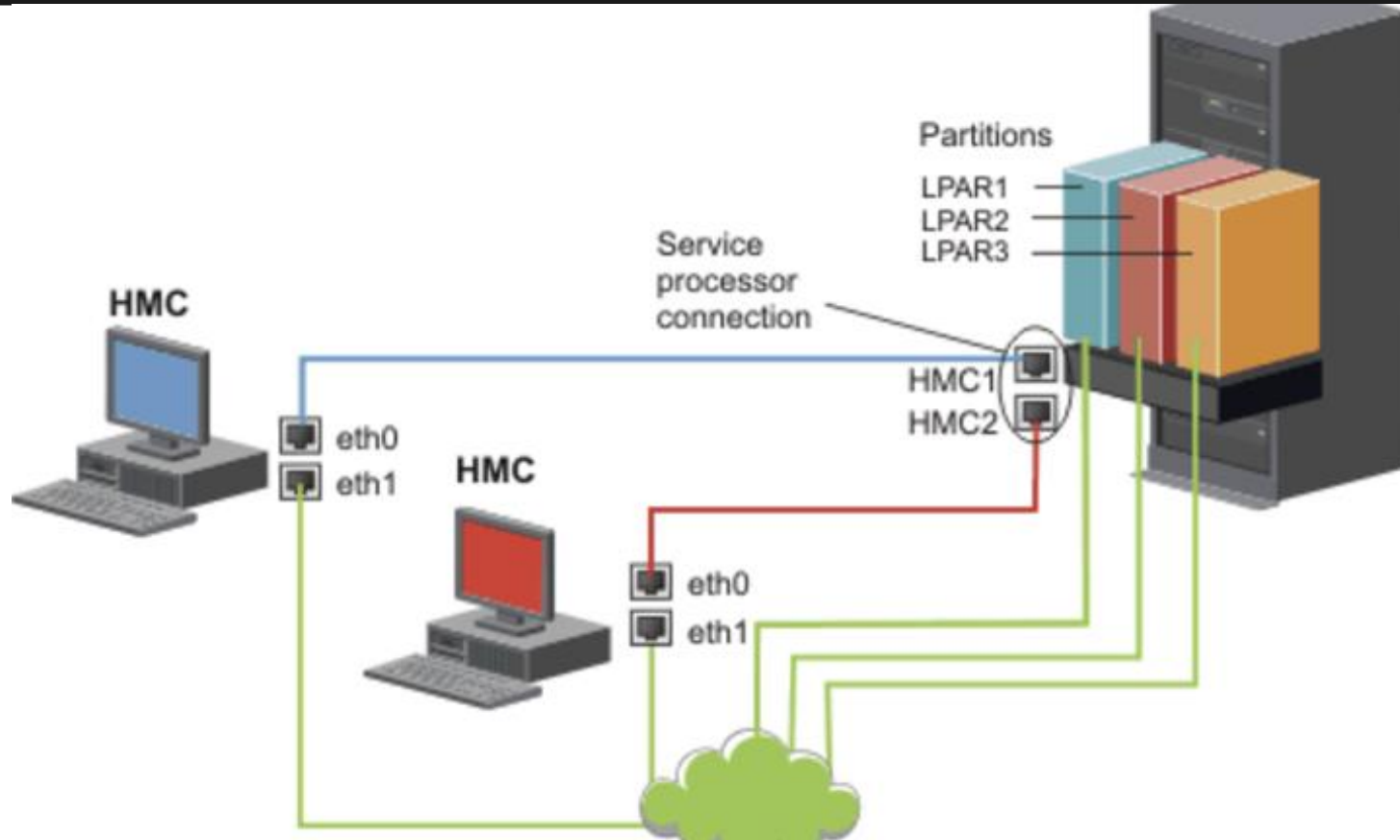
LIC is loaded on EACH partition individually — not shared between partitions

LIC is NOT the server firmware running on the FSP/eBMC — these are completely separate

Connectivity

How the HMC, eBMC/FSP, and partitions connect

IBMi, FSP/BMC, and HMC



HMC Network Configuration

ETH0: Private Network

- ETH0 — Private / Closed Network
- Configured as DHCP server
- Unique address range, not routable externally
- Connects to eBMC/FSP HMC1 port
- Never exposed to open internet

ETH1: Open Network

- ETH1 — Open Network
- Connects to your corporate or public LAN
- Receives inbound remote HMC connections
- Used for PTF and firmware downloads from IBM
- Internet-connected for IBM ordering

HMC Ethernet Ports — 7063-CR1



General purpose network

POWER private network to FSP(s) &
SysAdmin User access network to HMC

BMC network

HMC Ethernet Ports — 7063-CR2



eth3



eth2



eth1



eth0



IPMI/BMC

Configure Server VMI Connection from HMC

The screenshot displays the HMC Systems management interface. On the left is a navigation sidebar with categories like System resources, HMC management, and Performance dashboard. The main area shows a table of systems with columns for System name and State. Two systems are listed: 'Server-9009-41A-SN7836550' and 'Server-9105-22B-78C34E1', both in an 'Operating' state. A context menu is open over the second system, listing various actions such as 'Power off system', 'Rebuild system', and 'VMI connection'. An orange arrow points to the 'VMI connection' option. The background table also includes columns for Machine type, Serial number, and Physical state.

System name	State	Machine type	Serial number	Physical at
Server-9009-41A-SN7836550	Operating	9009-41A	7836550	LED off
Server-9105-22B-78C34E1	Operating	9105-22B	78C34E1	LED off

- Power off system updated
- Rebuild system updated
- Schedule operations
- Change system password updated
- VMI connection ←
- Launch Advanced System Management (ASM)
- Service processor status updated
- Manage system profiles updated
- Power management
- View workload management groups
- Capture with physical I/O as template
- Capture without physical I/O as template
- Reset system connection updated
- Remove system connection updated

Configure VMI Connection from HMC

VMI Configuration ✕

This page displays the vmi configurations in tabular view. You can modify the selected vmi configuration. After a modification, table data needs to be refreshed by clicking refresh button.

[Learn More](#) →



	Address	Prefix Length	Gateway	Subnet Mask	Network Interface	IP Type
<input type="radio"/>	0.0.0.0	-	0.0.0.0	0.0.0.0	eth1	static
<input type="radio"/>	::	128	::	-	eth1	static
<input checked="" type="radio"/>	172.16.115.194	-	0.0.0.0	255.255.0.0	eth0	dhcp
<input type="radio"/>	::	128	::	-	eth0	static

Configure VMI Connection from HMC

VM configurations in tabular view. You can modify the selected vmi configuration. After a modification, table data needs to be refreshed by clicking refresh

Modify Configuration

View and Modify VMI network configuration for the selected network interface.

IP Address Type IPv4 Address IPv6 Address

Network Interface eth0

IP Type DHCP

IPv4 Address * 172.16.115.194

Subnet Mask * 255.255.0.0

Gateway * 0.0.0.0

Force 

Modify

Cancel

Upgrade Order & Strategy

The sequence matters — always upgrade in this order

Correct Upgrade Order

1

HMC

Upgrade the Hardware Management Console first

2

eBMC / FSP

Update server firmware (Service Processor)

3

Local OS

LIC (5770-999) and IBM i (5770-SS1)
— or AIX

⚠ A disruptive update to the FSP/eBMC will immediately end ALL active partitions. Always plan and communicate maintenance windows.

HMC Information

Search for a system, partition, VIOS, tag or cluster

Systems 2

Details Usage Resources Levels

Search


<input type="checkbox"/>	System name	State	State detail	IP address	Machine type
<input type="checkbox"/>	Server-9009-41A-SN7836550	Operating		172.16.222.41	9009-41A
<input type="checkbox"/>	Server-9105-22B-78C34E1	Operating		172.16.149.72	9105-22B

Help

Search

Quick Links

- Docs
- About HMCv10
- HMC readme
- Get started using the app
- Installing and configuring the HMC
- Managing the HMCv10



HMC About info

The image shows a screenshot of a web interface with a modal dialog box open. The dialog box is titled "Power HMC" and contains the following information:

- HMC Name: HMC.peteandi.com
- Version: 11
- Release: 2
- Build Level: 2604262004
- Service Pack: 1120
- Base version: V11R2
- HMC driver: N/A
- Machine Type: 7063 - CR2
- Serial Number: 78C8C4D
- BIOS: mowgli-ibm-OP9_v2.5_4.142-prod
- Secure boot: Enabled

Below the system information, there is a license notice: "Licensed Materials - Property of IBM. ©IBM Corp. 2026. IBM, the IBM logo and ibm.com are trademarks of IBM Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the Web at <https://www.ibm.com/legal/us/en/copytrade.shtml>. This program is licensed under the terms of the license agreement for the Program. Please read this agreement carefully before using the Program. By using the Program, you agree to these terms."

At the bottom of the dialog box, it says "Powered by" followed by the Java logo and the text "COMMITTEE".

The background interface shows a sidebar with navigation items like "Dashboard", "System resources", "Systems", "Partitions", "Virtual I/O servers", "Tags", "Shared storage pool clusters", "Power enterprise pools", "System plans", "Templates", "HMC management", "Schedule management", "Performance dashboard", "Environmental dashboard", "All home management", and "Service management". The main content area shows "HMC.peteandi.com" and "HMC date and time:". There are also "Resource summary" and "Quick links" sections visible.

HMC & FSP Code Combinations — POWER11

<https://www14.software.ibm.com/support/customercare/flrt/mtm>

Server MTM 9824-22A	System firmware
HMC and HMC Virtual Appliance	OB1110_082 OB1110_088 OB1110_090 OB1110_107 OB1110_116 OB1110_119 OB1110_130
V11 R1 M1110 V11 R1 M1111 (1) (2) (3) (4)	Supported

- Yellow -Within 6 months End Service Pack Support
- Pink - End of Service Pack support
- Blue -Reduced Support

HMC & FSP Code Combinations — POWER10

Server MTM 9105-41B	System firmware				
HMC and HMC Virtual Appliance	ML1060_064	ML1050_059	ML1050_052	ML1030_026	ML1020_079
	ML1060_067	ML1050_070		ML1030_030	ML1020_085
	ML1060_076	ML1050_075		ML1030_045	ML1020_089
	ML1060_088	ML1050_078		ML1030_058	ML1020_097
	ML1060_093	ML1050_080		ML1030_060	ML1020_102
	ML1060_107	ML1050_087		ML1030_065	ML1020_106
	ML1060_109	ML1050_088		ML1030_075	ML1020_112
	ML1060_117	ML1050_089		ML1030_082	ML1020_118
	ML1060_120	ML1050_093		ML1030_089	ML1020_120
	ML1060_129	ML1050_094		ML1030_091	
	ML1060_148	ML1050_101		ML1030_093	
	ML1060_149	ML1050_113		ML1030_094	
	ML1060_157	ML1050_115		ML1030_099	
	ML1060_160	ML1050_122			
	ML1060_161	ML1050_123			
	ML1060_170	ML1050_132			
	V11 R1 M1110	Supported	Supported	Unsupported	Supported
V11 R1 M1111 (1) (2) (3) (4)					
V10 R3 M1060	Supported	Supported	Supported	Supported	Supported
V10 R3 M1061					
V10 R3 M1062					
V10 R3 M1063 (4) (5)					
V10 R3 M1050	Unsupported	Supported	Supported	Supported	Supported
V10 R3 M1051 (4) (5)					
V10 R2 M1030	Unsupported	Unsupported	Unsupported	Supported	Supported
V10 R2 M1031					
V10 R2 M1040					
V10 R2 M1041					
V10 R2 M1042					
V10 R2 M1043 (4) (5)					
V10 R1 M1020	Unsupported	Unsupported	Unsupported	Unsupported	Supported
V10 R1 M1021					
V10 R1 M1022					

- Yellow - Within 6 months End Service Pack Support
- Pink - End of Service Pack support
- Blue - Reduced Support

HMC & FSP Code Combinations — POWER9

Server MTM 9009-41G	System firmware	
HMC and HMC Virtual Appliance	VL950_045	VL941_035
	VL950_072	VL941_039
	VL950_075	VL941_045
	VL950_087	
	VL950_092	
	VL950_099	
	VL950_105	
	VL950_111	
	VL950_119	
	VL950_124	
	VL950_131	
	VL950_136	
	VL950_145	
	VL950_149	
	VL950_161	
	VL950_168	
	VL950_174	
	VL950_175	
	VL950_176	
	VL950_179	
VL950_182		
VL950_192		
VL950_194		
VL950_203		
VL950_205		
VL950_213		
V11 R1 M1110	Supported	Supported
V11 R1 M1111 (1) (2) (3) (4)		
V10 R3 M1050	Supported	Supported
V10 R3 M1051		
V10 R3 M1060		
V10 R3 M1061		
V10 R3 M1062		
V10 R3 M1063 (4) (5)		
V10 R2 M1030	Supported	Supported
V10 R2 M1031		
V10 R2 M1040		
V10 R2 M1041		
V10 R2 M1042		
V10 R2 M1043 (4) (5)		

- Yellow -Within 6 months End Service Pack Support
- Pink - End of Service Pack support
- Blue -Reduced Support

HMC Code Update

Version upgrades and PTF corrective service

What Version Is My HMC — V10 About

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Hardware Management Console hmc2.office.itechsol.com Feedback

Console Management > Console Management > All Resources Search systems,partitions,help topics and more

Console Management

Manage console operations and maintain data for the management console.

- Management**
 - [Shut Down or Restart the Management Console](#) Shut down or restart the management console.
 - [Schedule Operations](#) Schedule an operation that you want to perform on the management console.
 - [View Licences](#) Review third party and other licenses agreements for the product.
 - [Update the Hardware Management Console](#) Update the internal code of the management console, view system information and readiness.
- Maintenance and Data**
 - [Format Media](#) Format a USB flash memory device.
 - [Backup Management Console Data](#) Back up hard disk information for the management console to a local system, remote system, or a remote site. You must have access as an operator, super administrator, or service representative.
 - [Restore Management Console Data](#) Restore critical back up data for the management console. You can restore from NFS, FTP, SFTP, or a removable media.
 - [Save Upgrade Data](#) Save upgrade data to the hard disk of the management console.
 - [Manage Data Replication](#) Enable or disable the current management console to act as a server that receives or sends customized data to or from another management console.

Resources

Console Management

Users and Security

Serviceability

Pin: Hos Proc

Tas

Acti Proc

Acti Proc Tem

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Clos

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Update HMC V11

HMC management

HMC settings

Network settings

Network diagnostic information updated

Network topology

BMC settings

BMC Web Log In

Data replication updated

Third party license agreement

Additional license agreement

System certificates

Cloud connector

HMC certificates

Certificate revocation list

Import certificates updated

Truststore management updated

HMC details

HMC name
HMC.peteandi.com

Date of last reboot
May 20, 2026 (10 minute(s) ago)

Date of last update
May 12, 2026

Current HMC level / PTF number
V11 R2 SP1120

Secure boot
✓ Enabled

BIOS
mowgli-ibm-OP9_v2.5_4.142-prod

HMC settings

Idle time out (minutes)

120

- | +

Login suspend time (minutes)

5

- | +

Cancel

Save

HMC actions

Restart HMC

Shut down HMC

Backup HMC data

Restore HMC data

Save HMC upgrade data

Restore HMC upgrade data

Format media

Launch guided setup wizard

Update HMC

Upgrade HMC

Update HMC V10

Power HMC

Search for a system, partition, VIOS or cluster

Feedback

HMC Management

Update HMC

HMC actions

- Shut down or Restart
- Backup HMC data
- Restore HMC data
- Save upgrade data
- Schedule operations
- Format media
- Launch guided setup wizard

HMC settings

- Network Settings
- Network diagnostic information
- Network topology
- BMC connectivity
- Inband BMC credentials
- BMC Web Log In
- Data replication
- Licenses
- HMC certificates
- System certificates
- Certificate revocation list

HMC Details

HMC name
P10HMC.maytrucking.com

Date of last reboot
April 5, 2023 (17 day(s) ago)

Secure boot
✓ Enabled

Date of last update
January 19, 2023

BIOS
mowgli-ibm-OP9_v2.5_4.125-prod

Current HMC level / PTF number
V10 R2 SP1030

HMC settings

Idle time out (minutes)
120

Web UI suspend time (minutes)
5

Maximum web UI login attempts
3

Cancel Save

Update HMC V9

Console Management

Manage console operations and maintain data for the management console.

Management

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Updating the HMC — Two Methods

- **Version Updates — "Upgrade HMC"**

New release upgrade performed as an IPL using a bootable image

Always run Save Upgrade Data BEFORE starting the upgrade

Always backup to external media (USB or FTP image) first

- **PTF / Corrective Service — "Update HMC"**

Applies fixes within the current release (like OS PTFs)

Less disruptive — no full IPL required

New Release: HMC Version Upgrade

Example — upgrading to V9 (9.9.1) via SSH:

```
# Step 1: Download upgrade files from IBM public FTP
getupgfiles -h public.dhe.ibm.com -u anonymous --passwd anonymous \
  -d /software/server/hmc/network/v9910

# Step 2: Enable alternate-disk boot for upgrade mode
chhmc -c altdiskboot -s enable --mode upgrade

# Step 3: Initiate the HMC restart / upgrade IPL
hmcshutdown -r -t now

# ALWAYS save upgrade data BEFORE starting!
```

Two Types of Backups — MC Data & Upgrade Data

Hardware Management Console hmc2.office.itechsol.com Feedback

Console Management > Console Management >

All Resources Search systems,parttions,help topics and more

Console Management

Manage console operations and maintain data for the management console.

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Resources

Console Management

Users and Security

Serviceability

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Always Save Upgrade Data Before Upgrade

The screenshot displays the Power HMC management interface. On the left is a dark sidebar with navigation options: Dashboard, System resources, Systems, Partitions, Virtual I/O servers, Tags, Shared storage pool clusters, Power enterprise pools, System plans, Templates and OS Images, HMC Management, Performance dashboard, User management, Logs, Serviceability, and Call home. The main content area is titled 'HMC Management' and includes a search bar and a list of settings such as Network Settings, Network diagnostic information, Network topology, BMC connectivity, Inband BMC credentials, BMC Web Log In, Data replication, Licenses, HMC certificates, System certificates, Certificate revocation, and Cloud connector. A blue 'HMC actions' button is in the top right. A modal window titled 'Save Upgrade Data Wizard' is open, showing instructions to select media for saving upgrade data. The 'Media' dropdown is set to 'Hard drive'. Below the wizard, the 'Certificate validity' section shows a field for 'Maximum certificate validity (days)' set to 3650. At the bottom right, there is a red circular button with the number '38'.

Corrective Service: HMC PTFs

The screenshot displays the Power HMC interface. At the top, there is a search bar with the text "Search for a system, partition, VIOS or cluster" and a "Feedback" button. Below the search bar, the "Systems" section is active, showing a table with one system selected. A context menu is open over the selected system, listing various actions for corrective service.

Power HMC | Search for a system, partition, VIOS or cluster | Feedback

Systems 1

1 item selected | Create | Connections and operations | Performance | Firmware | Service | CoD | Config backup | Cancel

System name	State	State detail	Machine type	Serial number	Att	Reference code	Tags
<input checked="" type="checkbox"/> Server-9105-41B-785CFA1	<input checked="" type="checkbox"/> Operating		9105-41B	785CFA1			Add tag +

- Check readiness
- View current system firmware levels
- Update system firmware
- View current IO firmware levels
- Update IO firmware
- View current SR-IOV firmware levels
- Update SR-IOV firmware
- Import updates
- Set next IPL flash side
- Activate deferred updates
- Purge import staging location

HMC PTF Source — IBM Fix Central

The screenshot shows a web browser window displaying the 'Update system firmware' wizard in the IBM HMC interface. The browser address bar shows the URL: `https://10.10.1.102/hmc/content?taskId=75&refresh=158`. The page title is 'Update system firmware'. Below the title, there are several tabs: 'License Agreement' (selected), 'eBMC Readiness', 'Type', 'Repository', 'eBMC Levels', and 'eBMC Summary'. The main content area is titled 'Welcome' and contains the following text:

Use this wizard to update system firmware on the selected managed system(s)

Accept License
Management Console License Agreement

Usage of the Management Console is subject to the terms and conditions of the following license agreement.

License Agreement for Machine Code

THE POSSESSOR OF THE MACHINE ON WHICH THE MACHINE CODE IS INSTALLED RECEIVES CERTAIN RIGHTS AND AUTHORIZATIONS TO USE THE MACHINE CODE AND ACCEPTS THE DUTIES AND OBLIGATIONS WITH RESPECT TO SUCH MACHINE CODE SET FORTH IN THIS LICENSE AND APPLICABLE ATTACHMENTS AND ADDENDA (THE LICENSE), THUS BECOMING THE LICENSEE, ONLY BY ENTERING INTO AN AGREEMENT WITH IBM FOR THE MACHINE OR BY USE OF THE MACHINE. IF LICENSEE ACCEPTS THE LICENSE BY USE OF THE MACHINE, THEN LICENSEE SHALL, AT IBM'S REQUEST AND AS AN EXPRESS CONDITION OF LICENSEE'S CONTINUING RIGHTS UNDER THIS LICENSE, DELIVER TO IBM A SIGNED COPY OF THIS LICENSE WITHIN THIRTY (30) DAYS AFTER SUCH REQUEST TO CONFIRM ACCEPTANCE. IF LICENSEE FAILS TO PROVIDE SUCH ACCEPTANCE WITHIN SUCH THIRTY DAY PERIOD, THEN LICENSEE'S RIGHT TO USE THE MACHINE CODE TERMINATES.

1 License Grant

I accept the terms of this license agreement

At the bottom of the wizard, there is a progress bar, a link 'About this wizard' with a right arrow, and two buttons: 'Cancel' and 'Next'. The 'Next' button is highlighted in blue.

On the right side of the browser window, there is a sidebar with a search icon, a notification bell, and a 'Config backup' button with a dropdown arrow and a 'Cancel' button next to it. Below that is a 'Tags' section with an 'Add tag +' button.

The Windows taskbar at the bottom shows various application icons including File Explorer, Chrome, Edge, Firefox, Teams, and several other utility and office applications.

HMC PTF Source Locations (cont.)

Update system firmware

License Agreement **eBMC Readiness** Type Repository eBMC Levels eBMC Summary

eBMC Based Systems Readiness

View eBMC based systems information below and their readiness states.

Note: Systems found in not ready state will be skipped.

eBMC Based Systems

	MTMS	Name	LIC Type	Readiness Status	EC Number	Update Access Key Expiration	Activated Level	Installed Level	Platform IPL Level
	9105-41B*785CFA1	Server-9105-41B-785CFA1	Managed System	Ready	01ML1030	5/28/26	fw1030.10 (045)	fw1030.10 (045)	045

[About this wizard](#) →

Cancel Previous Next

Remote HMC PTF Update

Apply a PTF directly from IBM's public FTP site:

```
# Apply remote PTF (example: MH99999)
updhmc -t ftp -h public.dhe.ibm.com \
        -u anonymous --passwd ftp \
        -r -f /software/server/hmc/fixes/MH99999.iso
```

Key flags:

```
# -t ftp      = use FTP transfer method
# -h         = IBM public FTP host address
# -r         = remote source (not local media)
# -f         = full path to the fix file (.iso)
```

eBMC/FSP Server Firmware

Updating server firmware — versions, PTFs, and the no-HMC scenario

Current Firmware Releases by POWER Generation

POWER6

EM350_176

POWER7

AL770_126

POWER8

SV860_246

POWER9

VL950_213

CURRENT

POWER10

ML1060_170

CURRENT

POWER11

0B1110_130

eBMC/FSP — PTFs vs. Version Upgrades

Change LIC (Within Release)

- Change LIC for the CURRENT release
- Equivalent to applying a PTF
- Same release, incremental fixes only
- Less disruptive — no release change

Upgrade LIC (New Release)

- Upgrade to a NEW release level
- Example: ML1030 → ML1060 (POWER10)
- Full version upgrade — like a new OS version
- Requires more planning and testing

Change System Firmware Code — V10 & V11

P10HMC: System Firmware Update — Mozilla Firefox
https://10.10.1.102/hmc/content?taskId=75&refresh=158

Update system firmware

License Agreement eBMC Readiness **Type** Repository eBMC Levels eBMC Summary

System Firmware Type

Your FSP/eBMC based system has two update types. Select a type.

Type	Description
<input checked="" type="radio"/> Update	Update to next fix or service pack
<input type="radio"/> Upgrade	Upgrade to next major release

[About this wizard](#) →

Cancel Previous **Next**

Change eBMC System Firmware Code

The screenshot shows a web browser window titled "P10HMC: System Firmware Update — Mozilla Firefox" with the URL "https://10.10.1.102/hmc/content?taskId=75&refresh=158". The page displays the "Update system firmware" wizard with several steps: License Agreement, eBMC Readiness, Type, Repository (selected), eBMC Levels, and eBMC Summary. The "System Firmware Repository" section is active, with the instruction "Specify the location of where the system firmware images reside". A dropdown menu for "Location" is open, showing the following options: IBM Service Web Site, Removable Media, FTP Site, Secure FTP Site, Import Staging Location, and Mount Point. At the bottom of the wizard, there are "About this wizard" and "Cancel" buttons, and "Previous" and "Next" buttons.

Change System Firmware — Step 2

Update system firmware

License Agreement eBMC Readiness Type Repository **eBMC Levels** eBMC Summary

Available Levels for Update

Specify the target level(s) of system firmware you wish to update.

Note: Systems without updates available will be skipped.

Select the eBMC system firmware level to update for each system in the table.

Action	MTMS	EC Level	Activated Level	Installed Level	Target Level
<input checked="" type="radio"/>	9105-41B*785CFA1	01ML1030	fw1030.10 (045)	fw1030.10 (045)	045 -- DISRUPTIVE

[About this wizard](#) →

Cancel Previous **Next**

Change System Firmware — Step 3

The screenshot displays the Hardware Management Console (HMC) interface. A dialog box titled "Change Licensed Internal Code - Prod-Power9" is open, overlaid on the main system list. The dialog contains the following text:

Click Start Change Licensed Internal Code wizard to perform a guided update of managed system, power, and I/O Licensed Internal Code (LIC). Click View system information to examine current LIC levels, including retrievable levels. Click Select advanced features to update managed system and power LIC with more options and additional targeting choices.

Select the type of action to perform

- Start Change Licensed Internal Code wizard
- View system information
- Select advanced features

Buttons: OK, Cancel, Help

The background interface shows the "All Systems" page with a table of systems. The first system, "Prod-Power7", is highlighted with a blue border. Its status is "Operating". The table lists system details such as CPU and memory usage.

System Name	Status	CPU	Memory
Prod-Power7	Operating	1 CPU, 5 CPU Available	64.0 GB, 0.0 GB Available
Prod-Power8	Operating	28 CPU, 3.3 CPU Available	99.0 GB, 29.0 GB Available
Prod-Power9	Power off	0 CPU, 0 CPU Available	0.0 GB, 0.0 GB Available
Prod-Power10	Power off	0 CPU, 0 CPU Available	0.0 GB, 0.0 GB Available
Prod-Power11	Power off	0 CPU, 0 CPU Available	0.0 GB, 0.0 GB Available

Permanently Apply Temporary Firmware

The screenshot displays the Hardware Management Console (HMC) interface. A dialog box titled "Change Licensed Internal Code - Prod-Power9" is open, providing instructions and options for updating the system's Licensed Internal Code (LIC). The dialog text reads: "Click Start Change Licensed Internal Code wizard to perform a guided update of managed system, power, and I/O Licensed Internal Code (LIC). Click View system information to examine current LIC levels, including retrievable levels. Click Select advanced features to update managed system and power LIC with more options and additional targeting choices." Below the instructions, the user is prompted to "Select the type of action to perform" with three radio button options: "Start Change Licensed Internal Code wizard", "View system information", and "Select advanced features". The "Select advanced features" option is currently selected. The dialog also includes "OK", "Cancel", and "Help" buttons.

The background interface shows the "All Systems" view with a table of system cards. The first card, "Prod-Power7", is in an "Operating" state with 1 CPU and 64.0 GB memory. The second card, "Prod-Power9", is also in an "Operating" state with 28 CPUs and 99.0 GB memory. The remaining three cards are in a "Power off" state with 0 CPUs and 0.0 GB memory.

System Name	Status	CPU	Memory (GB)
Prod-Power7	Operating	1 CPU / 5 CPU Available	64.0 GB / 0.0 GB Available
Prod-Power9	Operating	28 CPU / 3.3 CPU Available	99.0 GB / 29.0 GB Available
System 3	Power off	0 CPU / 0 CPU Available	0.0 GB / 0.0 GB Available
System 4	Power off	0 CPU / 0 CPU Available	0.0 GB / 0.0 GB Available
System 5	Power off	0 CPU / 0 CPU Available	0.0 GB / 0.0 GB Available

Change FSP Code — V9

The screenshot shows the 'Systems' page in the Power HMC interface. The left sidebar contains navigation options such as 'Dashboard', 'System resources', 'Systems', 'Partitions', 'Virtual I/O servers', 'Tags', 'Shared storage pool clusters', 'Power enterprise pools', 'System plans', 'Templates and OS Images', 'HMC Management', 'Performance dashboard', 'User management', 'Logs', 'Serviceability', and 'Call home'. The main content area displays a table of systems with columns for 'System name', 'State', 'State detail', 'Machine type', 'Serial number', and 'Physical attention LED'. One system is selected, and a context menu is open over it, showing options like 'Check readiness', 'View current system firmware levels', 'Update system firmware', 'View current IO firmware levels', 'Update IO firmware', 'View current SR-IOV firmware levels', 'Update SR-IOV firmware', 'Import updates', 'Set next IPL flash side', 'Activate deferred updates', and 'Purge import staging location'.

Power HMC

Search for a system, partition, VIOS, tag or cluster

FBBEHMCP10.floridabarexam.org

Search

Dashboard

System resources

Systems

Partitions

Virtual I/O servers

Tags

Shared storage pool clusters

Power enterprise pools

System plans

Templates and OS Images

HMC Management

Performance dashboard

User management

Logs

Serviceability

Call home

Systems 1

Details Usage Resources Levels All

1 item selected Create Connections and operations Performance Firmware Service CoD Config backup

<input checked="" type="checkbox"/>	System name	State	State detail	Machine type	Serial number	Physical attention LED	Description	Tags
<input checked="" type="checkbox"/>	Server-9105-41B-789B621	Operating		9105-41B	789B621	LED off <input type="checkbox"/>		

- Check readiness
- View current system firmware levels
- Update system firmware
- View current IO firmware levels
- Update IO firmware
- View current SR-IOV firmware levels
- Update SR-IOV firmware
- Import updates
- Set next IPL flash side
- Activate deferred updates
- Purge import staging location

Perm Apply — Advanced Features

FBBEHMCP10: System Firmware Update - Google Chrome
Not secure https://10.10.10.3/hmc/content?taskId=50&refresh=52

Update system firmware

License Agreement eBMC Readiness Type Repository eBMC Levels eBMC Summary

Welcome

Use this wizard to update system firmware on the selected managed system(s)

Accept License
Management Console License Agreement

Usage of the Management Console is subject to the terms and conditions of the following license agreement.

License Agreement for Machine Code

THE POSSESSOR OF THE MACHINE ON WHICH THE MACHINE CODE IS INSTALLED RECEIVES CERTAIN RIGHTS AND AUTHORIZATIONS TO USE THE MACHINE CODE AND ACCEPTS THE DUTIES AND OBLIGATIONS WITH RESPECT TO SUCH MACHINE CODE SET FORTH IN THIS LICENSE AND APPLICABLE ATTACHMENTS AND ADDENDA (THE LICENSE), THUS BECOMING THE LICENSEE, ONLY BY ENTERING INTO AN AGREEMENT WITH IBM FOR THE MACHINE OR BY USE OF THE MACHINE. IF LICENSEE ACCEPTS THE LICENSE BY USE OF THE MACHINE, THEN LICENSEE SHALL, AT IBM'S REQUEST AND AS AN EXPRESS CONDITION OF LICENSEE'S CONTINUING RIGHTS UNDER THIS LICENSE, DELIVER TO IBM A SIGNED COPY OF THIS LICENSE WITHIN THIRTY (30) DAYS AFTER SUCH REQUEST TO CONFIRM ACCEPTANCE. IF LICENSEE FAILS TO PROVIDE SUCH ACCEPTANCE WITHIN SUCH THIRTY DAY PERIOD, THEN LICENSEE'S RIGHT TO USE THE MACHINE CODE TERMINATES.

1. License Grant
 I accept the terms of this license agreement

[About this wizard →](#) Cancel Next

eBMC/FSP — Successful Apply

The screenshot shows a web browser window titled "FBBEHMCP10: System Firmware Update - Google Chrome" with the URL "https://10.10.10.3/hmc/content?taskId=50&refresh=52". The page displays the "Update system firmware" wizard, with the "eBMC Readiness" step selected. The wizard progress bar shows the following steps: License Agreement (checked), eBMC Readiness (selected), Type, Repository, eBMC Levels, and eBMC Summary.

eBMC Based Systems Readiness

View eBMC based systems information below and their readiness states.
Note: Systems found in not ready state will be skipped.

eBMC Based Systems

	MTMS	Name	LIC Type	Readiness Status	EC Number	Update Access Key Expiration	Activated Level	Installed Level	Platform IPL
✔	9105-41B*789B621	Server-9105-41B-789B621	Managed System	Ready	01ML1050	6/26/2027	fw1050.10 (059)	fw1050.10 (059)	059

At the bottom of the wizard, there is a link "About this wizard →" and three buttons: "Cancel", "Previous", and "Next".

eBMC/FSP: No HMC — OS Managed Firmware Updates or use DSPFMWSTS

Firmware Service Update Policy MUST be set to OS Managed:

```
# Updates delivered via OS PTF packages (IBM i):  
# POWER5 → 5722-999 (V5R4M0) or 5733-905  
# POWER9 → 5733-909  
# POWER10 → 5733-910  
# POWER11 → 5733-911  
  
# Display current firmware level via IBM i SST:  
STRSST  
→ Option 1 (Start a service tool)  
→ Option 4 (Display/Alter/Dump)  
→ Option 1 (Display/Alter storage)  
→ Option 2 (Licensed Internal Code data)  
→ Option 14 (Advanced analysis)  
→ FLASHLEVELS [Enter]  
  
# Or use the IBM i command directly:  
DSPFMWSTS
```

DSPFMWSTS — Display Firmware Status

File Edit View Communication Actions Window Help



```
Service partition . . . . . : No
Firmware update policy . . . . . : *HMC
Server IPL source . . . . . : Temporary
Firmware product ID/release . . . . . : 5733910 V1R1M0
Update access key expiration date . . . . . : 06/26/27
```

```
*ACTIVE      ML1050_059      MH01963
              FW1050.10
*TEMP        ML1050_059      MH01963
              FW1050.10
*PERM        ML1050_059      MH01963
              FW1050.10
```

Press Enter to continue

F3=Exit F5=Refresh F12=Cancel

System Plans

System Planning Tool — designing partition configurations

System Planning Tool (SPT)

- Successor to the LPAR Validation Tool (LVT) — now called System Planning Tool
- Run from your PC — free download from IBM
- **What It Configures:**
 - I/O Adapter (card) placement — which slots hold which cards
 - Resource assignment — which I/O belongs to which partition
 - Memory and processing capacity distribution
 - CPW allocation (batch and interactive) per partition

Download System Planning Tool (SPT)

The screenshot shows a web browser window with the URL `ibm.com/support/pages/ibm-system-planning-tool-power-processor-based-systems`. The page header includes the IBM logo and navigation menus for Support, Downloads, Documentation, Forums, Cases, Monitoring, and Manage support account. The main heading is "IBM Support" with a search bar below it. The page title is "IBM System Planning Tool for POWER processor-based systems". The breadcrumb trail is "Overview > Download > Releases > Support". The "Download" tab is active, showing a link for "IBM System Planning Tool - Version 6.24.127 (Windows OS) (EXE, 166MB)". To the right of this link is a "SPT distribution list" link. Below the download link are "Container Instructions" and "Container Image Instructions" links. A note for Symantec Endpoint Protection users is present. A navigation path is shown: "Clients > [Group] > Policies > Exception Policy > Exceptions > Add > Window Exceptions > Trusted Web Domain". There are also links for "Managing Download Insight detections" and "Download Advisor: How to adjust Download Insight settings to change the number of detections". On the right side of the page, there is a "Was this topic helpful?" section with "Yes" and "No" buttons, a "Document Information" section with details for "More support for: IBM Power Systems", "Software version: Version Independent", "Document number: 632531", and "Modified date: 07 May 2024". At the bottom right, there is a "Manage My Notification Subscriptions" section with a "Log in to Subscribe" button.

IBM System Planning Tool for POWER processor-based systems

Overview Download Releases Support

→ [IBM System Planning Tool - Version 6.24.127 \(Windows OS\) \(EXE, 166MB\)](#)

SPT distribution list.

Important note: Join the SPT distribution list to receive email notifications regarding the latest release of the SPT (available on this website) and other SPT-related notifications. Send an email with "subscribe to distribution list" in the subject field to sptsupp@in.ibm.com. When subscribing, we collect and retain your email address as well as first and last name. We use this information solely to send SPT-related notifications. If you would like to unsubscribe, send an email with "unsubscribe" in the subject field to sptsupp@in.ibm.com. For additional information, please see the IBM Privacy Statement <https://www.ibm.com/us-en/privacy/>.

Container Instructions:

[PDF Container Image Instructions](#)

Important note for Symantec Endpoint Protection Users: In order to avoid problems with the download or install, you need to add an "exception" to your version of Symantec Endpoint Protection:

Clients > [Group] > Policies > Exception Policy > Exceptions > Add > Window Exceptions > Trusted Web Domain

Visit URLs for more information from Symantec:

- [Managing Download Insight detections](#)
- [Download Advisor: How to adjust Download Insight settings to change the number of detections](#)

Was this topic helpful?

Yes No

Document Information

More support for:
IBM Power Systems

Software version:
Version Independent

Document number:
632531

Modified date:
07 May 2024

Manage My Notification Subscriptions

Log in to Subscribe

SPT: Card Placement

ITech-Power7 - IBM System Planning Tool - Mozilla Firefox

localhost:6001/spt/aces/page/p5/sysPlanEdit.js?session=10#sptFormHardwarePanel_d53:_HbrTtree_menuNodeTextLink0_DiskDrives

IBM System Planning Tool

System plan: Tech-Power7 System: Tech-Power7 [IBM Power 720 Express Server (8202-840)]

System Partitions Hardware Networking Virtual Storage Installation Console Summary

4292 P4C-8 5502-1 5587-2 5587-3

Display hardware supported by: IBM i V7R1M0

		Slot Characteristics									
	Action	Location	Bus Width	Bus Speed	Length	F/T	Partition / Port Connection	Order status	S/N	Description	Comments
External Disk Ctrl											
5278 PCIe LP 8Gb 2-Port		P2-(D4-D5)				1000(S)	Hotplug - IBM i V7R1M0 [P1-T9]	Onn		100Gb 15K RPM SFF SAS Disk Drive	
5276 PCIe LP 4Gb 2-Port											
5270 PCIe LP 2x4-port SFF		P2-(D6-D8)								Disk Drives	
5795 S-Signalt PCI Express											
5774 4 8Gbps PCIe 2-Port		P2-09				5762	Hotplug - IBM i V7R1M0 [P1-T9]	Onn		SATA Slimline DVD-RAM Drive	
5805 PCIe 20MB Cache 0											
5901 PCIe Dual x4 SAS		P1-01								SAS Tape Slot	
5913 PCIe2 1.808 Cache 4											
5882 PCIe2 LP RAID 8x8 4		P1-02								USB Slot	
Internal Disk Ctrl											
2053 PCIe LP RAID & S00											
2054 PCIe RAID & S50 SA		P1-03	x8	2.5 GHz	Short	5774	Switchable-LPAR	Onn		4 8Gbps PCIe 2-Port Fibre Channel Adapter	
LAN Adapters											
Fibre Adapters		P1-03	x0	2.5 GHz	Short	5013	Hotplug - IBM i V7R1M0	Onn		PCIe2 1.808 Cache RAID SAS Adaptor Tri-port 6Gb	
WAN Adapters											
Cryptographic Adapters		P1-04	x8	2.5 GHz	Short	5918	Hotplug - IBM i V7R1M0 [P1-C8]	Onn		PCIe2 1.808 Cache RAID SAS Adaptor Tri-port 6Gb	
Dynamic Adapters											
Disk Drives		P1-05	x0	2.5 GHz	Short					PCIe2 x8 Slot #4	
1737 8500 10K RPM SAS											
1707 177Gb SFF 1 500 w/		P1-06	x8	2.5 GHz	Short	5899	Chart 1 - IBM i V7R1M0	Onn		PCIe2 4-port 1GbE Adapter	
1879 285 95 10K RPM SAS											
1884 6908 10K ROM SAS 8		P1-07	x4	2.5 GHz	Short	5000	Hotplug - IBM i V7R1M0	Onn		PCIe2 4-port 1GbE Adapter	
1888 15408 15K RPM SFF											
1911 20300 10K RPM SFF		P1-T9				5848	Hotplug - IBM i V7R1M0			Embedded Disk Controller	
1916 57100 10K RPM SAS											
1996 17708 S8D Module v		P1-C19				2809	Hotplug - IBM i V7R1M0 [P1-T9]			PCI-X080 Planar 3Gb SAS RAID Adapter	
8508 88768 SFF-1 880 w/											
CD/DVD											
5743 SATA Slimline DVD-R		P1-C1				0304	Not Assignable	Onn		GB1 Dual-port 12x Channel Attach	
5762 SATA Slimline DVD-R											
5774 SATA Slimline DVD-R											
Internal Tape											
I/O Expansion Adapters											
Misc											

Validation messages (2 total)

Feature 5913 controllers are not supported on this system unless it is rack mounted.

New order messages

This system can be ordered with an IBM i OSU specify feature (for enabling IBM i processor entitlements). If desired, this feature must be added when this order is submitted to the Sales Configuration.

OK Apply Save... Cancel Report Help

SPT: Card Placement (continued)

IBM System Planning Tool

System plan: Tech-Power7 System: Tech Power7 [IBM Power 720 Express Server (9202-E4C)]

System Partition Hardware Networking Virtual Storage Initialization Consoles Summary

8702-E4C-0 5802-1 5887-2 5887-3

Display hardware supported by: IBM i V7R1M0 Actions Settings

Disk Drives	Action	Location	Slot Characteristics			F/C	Partition / Port Connection	Order status	S/N	Description	Comments
			Bus Width	Bus Speed	Length						
1720 250GB 10K RPM SAS		P1-(D1:D6)				1948(5)	Hotplug - 16M i V7R1M0 [5802-1 P1-C1]	Own		250GB 15K RPM SAS SFF-2 Disk Drive (16M i)	
1794 177GB SFF-2 SSD w/		P1-(D7:D12)				1948(4)	Hotplug - 16M i V7R1M0 [5802-1 P1-C1]	Own		200GB 15K RPM SAS SFF-2 Disk Drive (16M i)	
1817 150GB 15K RPM SAS		P1-(D13:D18)				1948(5)	Hotplug - 16M i V7R1M0 [5802-1 P1-C1]	Own		250GB 15K RPM SAS SFF-2 Disk Drive (16M i)	
1940 250GB 15K RPM SAS		P1-(D19:D22)				1948(4)	Hotplug - 16M i V7R1M0 [5802-1 P1-C1]	Own		200GB 15K RPM SAS SFF-2 Disk Drive (16M i)	
1955 250GB 10K RPM SAS											
1962 375GB 10K RPM SAS											
1980 257GB SFF-2 SSD w/											
		P1-(D23,D24)									Disk drive slot

Validation messages (2 total)

Feature 5013 controllers are not supported on this system unless it is rack mounted.

new order message

This system can be ordered with an IBM i CPU specify feature (for enabling IBM i processor entitlements). If desired, this feature must be added when this order is submitted to the Sales Configurator.

OK Apply Save... Cancel Report Help

Partitions & Profiles

Creating, activating, and managing LPAR partitions

HMC V10 & V11 — Main Interface

Hardware Management Console

Log in

User ID

Password

Log in



[Learn about the HMC Interface](#)



SYSTEMS
are all good



PARTITIONS
are all good



VIOS
are all good

0 Attention
LEDs

6 Serviceable
Events

Partitions and Profiles — HMC V10

Power HMC

Search for a system, partition, VIOS or cluster

Feedback

P10H

Partitions 2

Details Usage Resources All

Search

<input type="checkbox"/>	Partition name	State	ID	IP address	Attention LED	Reference code	RMC connection	OS type	OS level	System
<input type="checkbox"/>	May400	Running	1		LED off <input type="checkbox"/>	00000000	None	IBM i	IBM i Licensed Internal Code 7.3.0 410 13	Server 9105-785CF
<input type="checkbox"/>	MayDev	Running	2		LED off <input type="checkbox"/>	00000000	None	IBM i	IBM i Licensed Internal Code 7.3.0 410 13	Server 9105-785CF

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Partitions and Profiles —

Hardware Management Console hmc2.office.itechsol.com

Resources > All Systems > Prod-Power9 > Partitions >

All Resources Search systems, partitions, help topics and more

Partitions

View and monitor the state, health, and capacity information of all the partitions on the selected system.

Actions Total: 14 Selected: 0

<input type="checkbox"/>	Name	Partition State	Partition ID	Attention LED	Reference Code	OS Type	OS Vers
<input type="checkbox"/>	FCTARGET	Not activated	8	▲ Off		IBMi	Unknowr
<input type="checkbox"/>	FSPCTL	Running	15	▲ Off	00000000	IBMi	IBM i Lic
<input type="checkbox"/>	Intrusion Testing	Not activated	7	▲ Off		IBMi	IBM i Lic
<input type="checkbox"/>	MIMIX Target	Running	12	▲ Off	00000000	IBMi	IBM i Lic
<input type="checkbox"/>	MMIMIX Source	Running	11	▲ Off	00000000	IBMi	IBM i Lic
<input type="checkbox"/>	P9 Hosting Partition	Running	1	▲ Off	00000000	IBMi	IBM i Lic
<input type="checkbox"/>	Public v7.4 Demo	Not activated	5	▲ Off		IBMi	IBM i Lic
<input type="checkbox"/>	Security Demo	Running	9	▲ Off	00000000	IBMi	IBM i Lic
<input type="checkbox"/>	Upgrade	Running	6	▲ Off	00000000	IBMi	IBM i Lic
<input type="checkbox"/>	V73 Hosting Template	Running	14	▲ Off	00000000	IBMi	IBM i Lic
<input type="checkbox"/>	V74 Hosting Template	Running	4	▲ Off	00000000	IBMi	IBM i Lic
<input type="checkbox"/>	VERIFI Database	Running	3	▲ Off	00000000	IBMi	IBM i Lic

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Partitions and Profiles

Resources > All Systems > Prod-Power9 > Partitions >

All Resources Search systems, partitions, help topics and

Partitions

All Filter Create Partition...

View and monitor the state, health, and capacity information of all the partitions on the selected system.

Select All Actions Total: 14 Selected: 0

<input type="checkbox"/> IBMi FCTARGET Not activated 0.05 PU 1 VP 4.00 GB Allocated	<input type="checkbox"/> IBMi FSFCCTL Running 00000000 0.05 PU 1 VP 6.00 GB Allocated	<input type="checkbox"/> IBMi Intrusion Testing Not activated 0.05 PU 1 VP 4.00 GB Allocated	<input type="checkbox"/> IBMi MIMIX Target Running 00000000 0.05 PU 1 VP 4.00 GB Allocated	<input type="checkbox"/> IBMi MMIMIX Source Running 00000000 0.05 PU 1 VP 4.00 GB Allocated	<input type="checkbox"/> IBMi P9 Hosting Partition Running 00000000 0.05 PU 1 VP 8.00 GB Allocated	<input type="checkbox"/> IBMi Public v7.4 Demo Not activated 0.05 PU 1 VP 4.00 GB Allocated
<input type="checkbox"/> IBMi Security Demo Running 00000000	<input type="checkbox"/> IBMi Upgrade Running 00000000	<input type="checkbox"/> IBMi V73 Hosting Template Running	<input type="checkbox"/> IBMi V74 Hosting Template Running	<input type="checkbox"/> IBMi VERIFI Database Running 00000000	<input type="checkbox"/> IBMi iTech09 Running 00000000	<input type="checkbox"/> IBMi iTech72 Running 00000000

Prod-Power9
Operating
Capacity
System Actions
Partitions
Partitions 14
Properties
General Settings
Processor, Memory, I/O
Persistent Memory
Power VM
Virtual I/O Servers 2
Virtual Networks
Virtual NICs
Virtual Storage
Hardware Virtualized I/O

Resources
Console Management
Users and Security
Serviceability

Activate: Partition Options

Hardware Management Console hmc2.office.itechsol.com

Resources > All Systems > Prod-Power9 > Partitions >

All Resources Search systems, partitions, help topics and more

Partitions

View and monitor the state, health, and capacity information of all the partitions on the selected system.

Select All Actions

- View Partition Properties
- Activate...
- Network Boot...
- Turn Attention LED Off...
- Schedule Operations...
- Mobility
- Templates
- Profiles
- Delete Partition...
- View All Actions

Partition Name	Status	Capacity
FCTARGET	Not activated	0.05 PU 1 VP 4.00 GB Allocated
FSFCCTL	Running	0.05 PU 1 VP 6.00 GB Allocated
MIMIX Target	Running	0.05 PU 1 VP 4.00 GB Allocated
MMIMIX Source	Running	0.05 PU 1 VP 4.00 GB Allocated
P9 Hosting Partition	Running	0.05 PU 1 VP 8.00 GB Allocated
Public v7.4 Demo	Not activated	0.05 PU 1 VP 4.00 GB Allocated
Security Demo	Running	
Upgrade	Running	
V73 Hosting Template	Running	
V74 Hosting Template	Running	
VERIFI Database	Running	
iTech09	Running	
iTech72	Running	

Prod-Power9
Operating
Capacity
System Actions
Partitions
Partitions 14
Properties
General Settings
Processor, Memory, I/O
Persistent Memory
Power VM
Virtual I/O Servers 2
Virtual Networks
Virtual NICs
Virtual Storage
Hardware Virtualized I/O

Partition Starting — Activation

Activate [Public v7.4 Demo]

Activation Network Settings

Choose Activation Options

Use this to activate or network boot an IBMi logical partition. You can also specify the advanced settings to activate a logical partition.

Operation Type
 Network Boot Activate

Partition Configuration
V74PUB

Current IPL Source
B: IPL from second side of the load source

[Advanced Settings](#)

[About this wizard](#)

Back Next Finish Cancel

- Changes take effect at Activation, not at PWRDWN SYS Restart(*YES)
- Looks for Min Resources to activate

Partition Starting — Activation Advanced Options

Activate [Public v7.4 Demo]

Activation Network Settings

Choose Activation Options

Use this to activate or network boot an IBMi logical partition. You can also specify the advanced settings to activate a logical partition.

Operation Type Network Boot Activate

Partition Configuration

Current IPL Source B: IPL from second side of the load source

Advanced Settings

Keylock Position

IPL Type

Open 5250 console

Use VSI Profile

[About this wizard](#)

Partition Information Panel

Resources > All Systems > Prod-Power9 > Partitions >

All Resources

Partitions

View and monitor the state, health, and capacity information of all the partitions on the selected system.

Select All | Actions | Total: 14 Selected: 1

FC TARGET	FSPCCTE	Intusion testing	MINIX target	MINIX SOURCE	FS FC Parti
Not activated	Running	Not activated	Running	Running	Running
00000000	00000000	00000000	00000000	00000000	00000000
0.05 PU 1 VP	0.05 PU 1 VP	0.05 PU 1 VP	0.05 PU 1 VP	0.05 PU 1 VP	0.05 PU 1 VP
4.00 GB Allocated	6.00 GB Allocated	4.00 GB Allocated	4.00 GB Allocated	4.00 GB Allocated	8.00 GB A

IBMi	Up	database	iTec
Running	Running	Running	Running
00000000	00000000	00000000	00000000
0.05 PU 1 VP	0.05 PU 1 VP	0.05 PU 1 VP	0.05 PU 1 VP
8.00 GB Allocated	4.00 GB	located	8.00 GB A

Upgrade

The partition is **Running**

Attention LED

System Name: **Prod-Power9**
Reference Code: 00000000
Partition ID: 6
IP Address: -
Environment: **IBMi**
OS Version: **IBM i Licensed Internal Code 7.5.0 1990 0**
Last Activated Profile: **IHC400**
Group tags:

Prod-Power9

Operating

Capacity

System Actions

Partitions

Partitions 14

Properties

General Settings

Processor, Memory, I/O

Persistent Memory

Power VM

Virtual I/O Servers 2

Virtual Networks

Virtual NICs

Virtual Storage

Hardware Virtualized I/O

History of SRC Codes

The screenshot displays the Hardware Management Console (HMC) interface for a system named FSFCCTL. The left sidebar shows navigation options like Resources, Console Management, Users and Security, and Serviceability. The main area shows the system status as 'Running' with a blue '00000000' indicator. A modal window titled 'Reference Code History : FSFCCTL' is open, showing a list of reference codes with columns for Select, Time Stamp, Code, and FRU Callout. The list contains 10 entries, all with a time stamp of 04/01/2022 21:00:00 or 20:59:59. The modal also includes a search box with '100' and a 'Refresh' button. A summary bar at the bottom of the modal shows 'Total: 100 Filtered: 100 Selected: 0'. The browser address bar shows the URL: https://hmc2.office.itechsol.com/hmc/content?taskId=30&refresh=.

Reference Code History : FSFCCTL

Reference codes provide general diagnostic, troubleshooting, and debugging information. The most recent reference codes are displayed below. To view a history of reference codes, enter a number of codes to retrieve from the history and select Refresh. To view the details of a specific reference code, select the desired reference code.

Partition name : FSFCCTL
View history : Refresh

Reference Codes

Select	Time Stamp	Code	FRU Callout
<input type="radio"/>	04/01/2022 21:00:00	00000000	
<input type="radio"/>	04/01/2022 21:00:00	C9002F00	
<input type="radio"/>	04/01/2022 21:00:00	C9002C25	
<input type="radio"/>	04/01/2022 21:00:00	C9002C20	
<input type="radio"/>	04/01/2022 21:00:00	C9002C40	
<input type="radio"/>	04/01/2022 20:59:59	C9002C10	
<input type="radio"/>	04/01/2022 20:59:59	C9002B40	
<input type="radio"/>	04/01/2022 20:59:59	C9002B30	
<input type="radio"/>	04/01/2022 20:59:59	C9002B10	
<input type="radio"/>	04/01/2022 20:59:59	C9002AC0	
<input type="radio"/>	04/01/2022 20:59:59	C9002AB0	
<input type="radio"/>	04/01/2022 20:59:59	C9002AAA	
<input type="radio"/>	04/01/2022 20:59:59	C9002AA4	
<input type="radio"/>	04/01/2022 20:59:57	C9002AA3	
<input type="radio"/>	04/01/2022 20:59:57	C9002AA2	

Total: 100 Filtered: 100 Selected: 0

Close Help

Partition Shutting Down

The screenshot displays the ITechHMC1 Hardware Management Console interface. The main window shows a table of server partitions. The partition VZNEUC is highlighted, and its status is 'Shutting Down'. An arrow points to this status text.

Select	Name	ID	Status	Processing Units	Memory (GB)	Active Profile	Environment	Reference Code
<input type="checkbox"/>	Tech01	3	Running		0.2	2 VSRM1	EM1	0000000
<input type="checkbox"/>	Tech01	1	Running		0.2	8 Tech01	EM1	0000000
<input type="checkbox"/>	MROyn01	4	Running		0.1	2 MROyn01	EM1	0000000
<input type="checkbox"/>	MROyn01	5	Running		0.1	2 MROyn01	EM1	0000000
<input checked="" type="checkbox"/>	VZNEUC	2	Shutting Down		0.1	2 VZNEUC	EM1	0000000

Tasks: VZNEUC

- Preferences
- Change Default Profile
- Operations
- Configuration
- Hardware Information
- Serviceability

Status: OK

Partition Activation — Key Points

- Changes take effect at Activation — NOT at PWRDWNSYS RESTART(*YES)
- The HMC looks for minimum resources required before allowing activation
- Advanced activation options allow fine-grained control at startup
- Partition can replace front bezel virtual operator panel function

HMC Users & Configuration

Managing access, network settings, and eBMC integration

HMC Users and Roles — V10 & V11

Power HMC

Search for a system, partition, VIOS, tag or cluster

HMC.peteandi.com

Search

- Partitions
- Virtual I/O servers
- Tags
- Shared storage pool clusters
- Power enterprise pools
- System plans
- Templates
- HMC management**
- Schedule management
- Performance dashboard
- Environmental dashboard
- Call home management
- Service management
- VIOS images
- User management**
- Active users
- Running tasks
- User profiles

HMC management

HMC settings

- Network settings
- Network diagnostic information **updated**
- Network topology
- BMC settings
- BMC Web Log In
- Data replication **updated**
- Third party license agreement
- Additional license agreement
- System certificates
- Cloud connector
- HMC certificates
- Certificate revocation list
- Import certificates **updated**
- Truststore **updated**
- management

HMC details

HMC name
HMC.peteandi.com

Date of last reboot
May 20, 2026 (10 minute(s) ago)

Secure boot
✓ Enabled

Date of last update
May 12, 2026

BIOS
mowgli-ibm-OP9_v2.5_4.142-prod


Current HMC level / PTF number
V11 R2 SP1120

HMC settings

Idle time out (minutes) Login suspend time (minutes)

120 5

Cancel Save



HMC Users and Roles Detail

HMC.peteandi.com

Search

- HMC management**
- Schedule management
- Performance dashboard
- Environmental dashboard
- Call home management
- Service management
- VIOS images
- User management
 - Active users
 - Running tasks
 - User profiles
 - Resource roles
 - Task roles
 - LDAP
 - KDC
 - MFA
- Logs

HMC management

HMC settings

- Network settings
- Network diagnostic information **updated**
- Network topology
- BMC settings
- BMC Web Log In
- Data replication **updated**
- Third party license agreement
- Additional license agreement
- System certificates
- Cloud connector
- HMC certificates
- Certificate revocation list
- Import certificates **updated**
- Truststore management **updated**

HMC details

HMC name
HMC.peteandi.com

Date of last reboot
May 20, 2026 (10 minute(s) ago)

Secure boot
✓ Enabled

Date of last update
May 12, 2026

BIOS
mowgli-ibm-OP9_v2.5_4.142-prod

Current HMC level / PTF number
V11 R2 SP1120

HMC settings

Idle time out (minutes) - +

Login suspend time (minutes) - +


HMC: Add a User


HMC.peteandi.com

Search

HMC management

Schedule management


Performance dashboard 

Environmental dashboard 

Call home management

Service management

VIOS images

User management 

Active users

Running tasks

User profiles

Resource roles

Task roles

LDAP

KDC

MFA

User profiles

3

[Learn more](#)



Search



Create +

<input type="checkbox"/>	User ID	Task role	Resource role	Authentication Type	Description
<input type="checkbox"/>	hscroot Default	hmcsuperadmin	AllSystemResources	local	HMC Super User
<input type="checkbox"/>	petem	hmcsuperadmin	AllSystemResources	local	Pete Massiello
<input type="checkbox"/>	root Default	hmcsuperadmin	AllSystemResources	local	root

HMC: Network Settings

HMC.peteandi.com

Search

HMC management

Schedule management

Performance dashboard

Environmental dashboard

Call home management

Service management

VIOS images

User management

- Active users
- Running tasks
- User profiles
- Resource roles
- Task roles
- LDAP
- KDC
- MFA

Logs

HMC management

HMC actions

HMC settings

- Network settings**
- Network diagnostic information updated
- Network topology
- BMC settings
- BMC Web Log In
- Data replication updated
- Third party license agreement
- Additional license agreement
- System certificates
- Cloud connector
- HMC certificates
- Certificate revocation list
- Import certificates updated
- Truststore management updated

Console name: HMC

Domain name: peteandi.com

Name services

- Use DHCP DNS settings
- Enable DNS

DNS server search order

8.8.8.8 × 8.8.4.4 ×

Domain suffix search order

LAN adapters

HMC: Network Settings - Adapters

HMC.peteandi.com

Q Search

HMC management

Schedule management

Performance dashboard

Environmental dashboard

Call home management

Service management

VIOS images

User management

- Active users
- Running tasks
- User profiles
- Resource roles
- Task roles
- LDAP
- KDC
- MFA

Logs

HMC management

HMC actions

HMC settings

- Network settings**
- Network diagnostic information updated
- Network topology
- BMC settings
- BMC Web Log In
- Data replication updated
- Third party license agreement
- Additional license agreement
- System certificates
- Cloud connector
- HMC certificates
- Certificate revocation list
- Import certificates updated
- Truststore management updated

Type	Interface name	MAC address	IP address	
Ethernet	eth0	08:94:ef:86:54:...	10.1.255.1	
Ethernet	eth1	08:94:ef:86:54:...	192.168.4.100	
Ethernet	eth2	08:94:ef:86:54:...	0.0.0.0	
Ethernet	eth3	08:94:ef:86:54:9f	0.0.0.0	
Ethernet	eth4	34:80:0d:76:ba:...	0.0.0.0	
Ethernet	eth5	34:80:0d:76:ba:...	0.0.0.0	

Bond adapters

Q Search

Create +

Type	Interface name	IP address	Interfaces
------	----------------	------------	------------

HMC: ETH0 Private Network Config

HMC.peteandi.com

HMC m

HMC settings

Network set

LAN adapter Ethernet eth0 08:94:ef:86:54:9c

Partition communication Disabled

Local area network

Media speed Autodetection

Group label Private (DHCP) Open

DHCP server

Enabled DHCP server

Adapter range 10.1.255.2 - 10.1.255.254

Cancel Save

Navigation sidebar items: HMC management, Schedule management, Performance dashboard, Environmental dashboard, Call home management, Service management, VIOS images, User management, Active users, Running tasks, User profiles, Resource roles, Task roles, LDAP, KDC, MFA, logs.

HMC: ETH1 Open Network & Firewall

Edit LAN adapter

LAN adapter: Ethernet eth1 08:94:ef:86:54:9d

Partition communication: Disabled

Local area network

Media speed: Autodetection

Group label: Private (DHCP) Open

IPV4 address

No IPv4 address
 Obtain IP address automatically
 Specify an IP address

TCP/IP interface address: 192.168.4.100

TCP/IP interface network mask: 255.255.252.0

Cancel Save

HMC: ETH1 Internal Firewall

HMC m

Edit LAN adapter

HMC settings

Firewall

Network set

Available applications

Network diag
nformation

Network top

BMC settings

BMC Web Log

Data replicati

Third party lic

Additional lic

System certif

Cloud connec


HMC certifica

Certificate rev

Import certifi

Truststore

management

Application name	Ports	Allow incoming	Allowed IP addresses
 Secure Shell	22:tcp	Allow all	▼
 Secure Remote Web Access	443:tcp	Allow all	▼
 RMC	657:udp tcp:657	Allow all	▼
 RMC_TLS	12601:tcp	Do not allow	
 FCS	9920:tcp udp:9900	Allow all	▼

Items per page: 5 ▼ 1-5 of 15 items 1 ▼ of 3 pages ◀

Cancel


Save


HMC: DNS and Routing

HMC management

HMC settings


Network settings updated

Network diagnostic information 

Network topology 

BMC settings

BMC Web Log In

Data replication 

Third party license agreement

Additional license agreement

System certificates

Cloud connector

HMC certificates updated

Certificate revocation list
updated

Console identification


Console name

HMC

Name services

- Use DHCP DNS settings
- Enable DNS

DNS server search order

192.168.1.199 

Domain suffix search order

Cancel

Save

Routing


Gateway address

192.168.1.2

Gateway device

eth1

Routing information

 Search

Type	Destination	Gateway address	Subnet mask a...	Interface
------	-------------	-----------------	------------------	-----------

Cancel

Save

eBMC on HMC — Management Interface

The screenshot displays the 'HMC management' interface. On the left is a dark sidebar with a navigation menu. The main content area is titled 'HMC management' and contains a list of settings on the left and a configuration form on the right.

Navigation Menu (Left Sidebar):

- andi.com
- h
- d
- sources
- s
- ns
- /O servers
- storage pool clusters
- enterprise pools
- plans
- es
- agement
- management
- nce dashboard
- ental dashboard
- management
- agement
- es
- ers
- g tasks
- ofiles
- ve roles
- es

HMC management Settings List (Left):

- HMC settings
- Network settings
- Network diagnostic information updated
- Network topology
- BMC settings**
- BMC Web Log In
- Data replication updated
- Third party license agreement
- Additional license agreement
- System certificates
- Cloud connector
- HMC certificates
- Certificate revocation list
- Import certificates updated
- Truststore management updated

BMC settings Configuration Form (Right):

BMC settings

Connectivity

! IPMI/BMC port(s) must be physically cabled to a network prior to setting BMC connectivity.

Dedicated port

Obtain IP address automatically Specify a static IP address (IPv4)

IP address (IPv4) 13/15 Subnet mask 13/15

192.168.4.101 255.255.252.0

Gateway 11/15

192.168.4.1

Shared port

Obtain IP address automatically Specify a static IP address (IPv4)

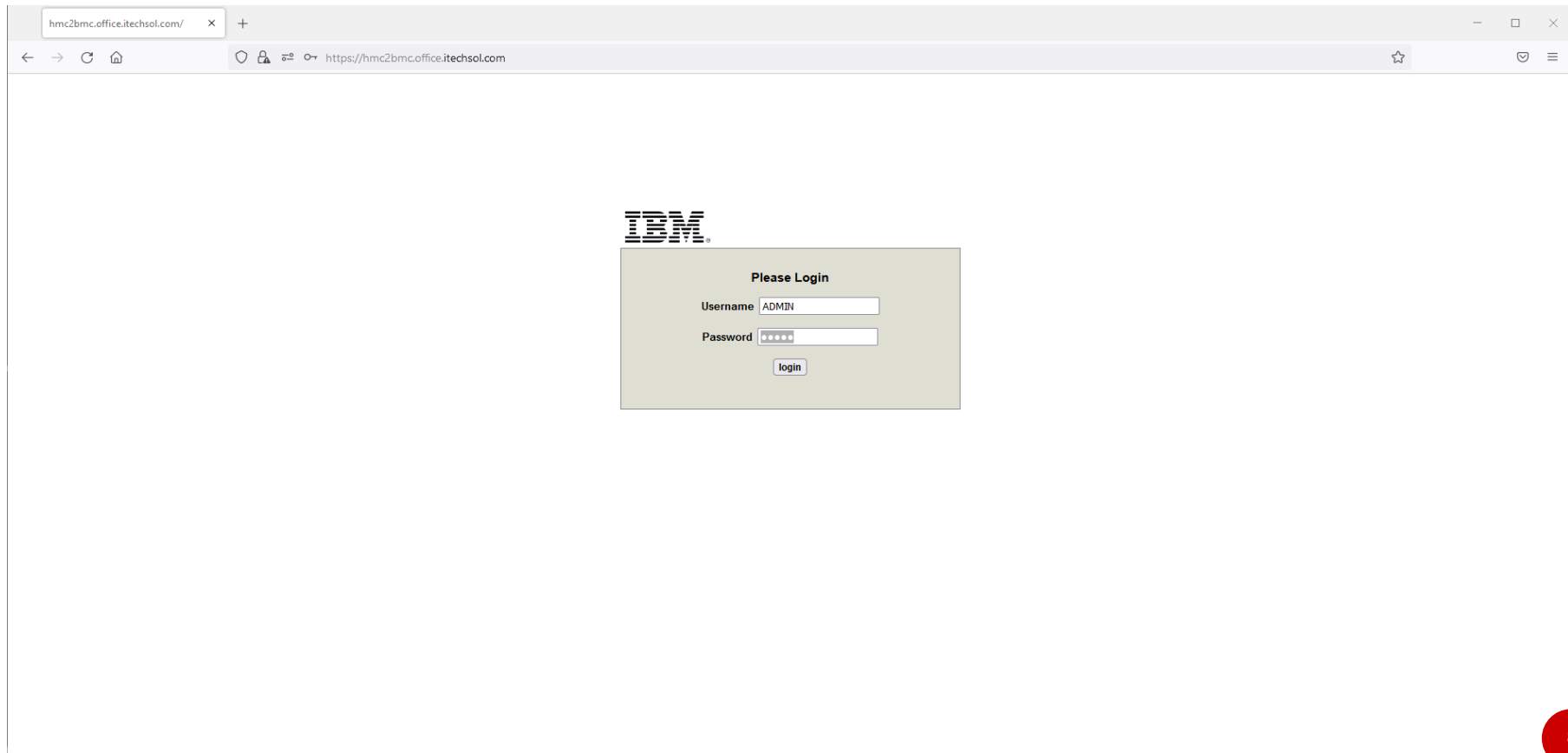
IP address (IPv4) 13/15 Subnet mask 13/15

192.168.4.101 255.255.252.0

Gateway 11/15

Buttons: Cancel, Save

7063-CR1 BMC Login Screen



7063-CR2 BMC Login — OpenBMC

IBM
BMC System Management

Built on
OpenBMC

BMC HOST OR BMC IP ADDRESS
169.254.95.120

USERNAME

PASSWORD

Log in

Management Console - Mozilla Firefox

Power eBMC - Console

Not secure https://10.10.10.7/#/overview/server

BMC System Management

root



FBEBMC

10.10.10.7

Server health >

❌ Critical

Server power >

✅ Running

Data last refreshed

May 18, 2024 2:47:37 PM EDT

Refresh



Server overview

IPv4: 169.254.226.194
IPv6: FE80::A94:EFFE:FE84:27C6

8:94:EF:84:27:C7

FIRMWARE VERSION

op940.hmc-29-0-g11d2cfc07

ETH1 IP ADDRESSES

IPv4: 169.254.112.67
IPv4: 10.10.10.7
IPv6: FE80::A94:EFFE:FE84:27C7



Server health

Power Consumption



Server control

POWER CONSUMPTION

77 W

POWER CAP

Not Enabled



Server configuration

High priority events (4)

[View all event logs](#)



Access control

#8 HIGH May 13, 2024 5:57:59 PM EDT

ERROR

FQSPPW0033M: Power supply 1 (E0) input fault detected



#7 HIGH ERROR May 13, 2024 5:57:57 PM EDT

FQSPPW0068M: The system failed to power on or had a power error due to a power good failure on power supply 1 (E0)



#6 HIGH Apr 18, 2024 6:07:18 PM EDT

ERROR

FQSPPW0033M: Power supply 0 (E1) input fault detected



eBMC Console — View 1

BMC System Management



FBEBMC
10.10.10.7

Server health >
Critical

Server power >
Running

Data last refreshed
May 18, 2024 2:49:18 PM EDT



Server overview



Server health



Server control



Server configuration



Access control

× Filter

FILTER BY SEVERITY

FILTER BY DATE RANGE (MM/DD/YYYY)

FILTER BY EVENT STATUS

Are you sure you want to delete 4 logs?

4 Events are selected Mark as resolved

<input checked="" type="checkbox"/>	#8	RESOLVED	HIGH	ERROR	May 13, 2024 5:57:59 PM EDT	▼
FQPSPPW0033M: Power supply 1 (E0) input fault detected						
<input checked="" type="checkbox"/>	#7	RESOLVED	HIGH	ERROR	May 13, 2024 5:57:57 PM EDT	▼
FQPSPPW0068M: The system failed to power on or had a power error due to a power good failure on power supply 1 (E0)						
<input checked="" type="checkbox"/>	#6	RESOLVED	HIGH	ERROR	Apr 18, 2024 6:07:18 PM EDT	▼
FQPSPPW0033M: Power supply 0 (E1) input fault detected						
<input checked="" type="checkbox"/>	#5	RESOLVED	HIGH	ERROR	Apr 18, 2024 6:07:16 PM EDT	▼
FQPSPPW0069M: The system failed to power on or had a power error due to a power good failure on power supply 0 (E1)						

eBMC Console — View 2

BMC System Management



FBEBMC
10.10.10.7

Server health >
Good

Server power >
Running

Data last refreshed
May 18, 2024 2:49:56 PM EDT



Server overview



Server health



Server control



Server configuration



Access control

Event log

REMOTE LOGGING SERVER

[+ Add server](#)

All events from the BMC

USER TIMEZONE ▾

FILTER EVENTS

× [Filter](#)

FILTER BY SEVERITY

All

High

Medium

Low

FILTER BY DATE RANGE (MM/DD/YYYY)

mm/dd/yyyy



–

mm/dd/yyyy



FILTER BY EVENT STATUS

All events

0 Events are logged

Delete

Mark as resolved

Export

No events have been logged yet.

HMC.peteandi.com

Schedule management

All System Partition Virtual I/O Server Console

Search

Refresh, Upload, Schedule

<input type="checkbox"/>	Task name	Resource name	Resource type	Schedule time
--------------------------	-----------	---------------	---------------	---------------

Search



No data

No Scheduled operations found.

- System
- Activate system profile
- Backup profile data
- Power Off system
- Power On system
- Edit shared processor pool
- Move partition to different pool
- Edit power saver mode for system
- Perform dynamic platform optimize

- HMC management
- Schedule management
- Performance dashboard
- Environmental dashboard
- Call home management
- Service management
- VIOS images
- User management
 - Active users
 - Running tasks
 - User profiles
 - Resource roles
 - Task roles
 - LDAP
 - KDC
 - MFA
- Logs

Service Agent

Attention LEDs, operator panel, and IBM service integration

HMC: Service Agent V10 & V11

HMC.gofrs.com

Service management Updated Service actions

Search

Dashboard

System resources

- Systems
- Partitions
- Virtual I/O servers
- Tags
- Shared storage pool clusters
- Power enterprise pools
- System plans
- Templates

HMC management

Schedule management

Performance dashboard

Environmental dashboard

Call home management

Service management

VIOS images

User management

- Active users
- Running tasks
- User profiles

Dumps 0 updated

FTP connection

Schedule service data

Remote support connection

Serviceable events

Events manager for call home

System: All x | Reporting console: 192.168.1.56

Search

Edit system dump settings | Initiate dump

File name	Date	Dump type	ID	System name	Machine type* serial number	File size	Source size	Service processor serial number	Problem number	Problem called home	Reference code	Tool type	User
No data No dump files available													

91

HMC: Service Agent Detail

Service management Updated

Service actions ▼

Dumps

FTP connection

Schedule service data

Remote support connection

Serviceable events

Events manager for call home

Remote support connection

Remote support connection
Closed

Connection

Open Close

Service systems

170.225.126.11:22 170.225.126.12:22 170.225.127.11:22 170.225.127.12:22 204.146.30.139:22

129.33.206.139:22

Cancel

Save

Manage Attention LEDs

Systems 2

Details											Usage		Resources		Levels		All				
1 item selected											Add tag +		Create ▾	Connections and operations ▾		Performance ▾	Firmware ▾	Service ▾	CoD ▾	Config backup ▾	Cancel
<input type="checkbox"/>	System name	State	State detail	IP address	Machine type	Serial number	Physical att...	Reference code	Description	Tags											
<input type="checkbox"/>	Server-9009-41A-SN7836550	✔ Operating		172.16.222.41	9009-41A	7836550	LED off <input type="checkbox"/>			Edit tag ↗											
<input checked="" type="checkbox"/>	Server-9105-22B-78C34E1	✔ Operating		172.16.149.72	9105-22B	78C34E1	LED off <input type="checkbox"/>			Edit tag ↗											

Operator Panel Service Functions

Systems / Server-9105-22B-78C34E1 /

Host-P10 (ID:1)

IBMI Running None LED off Reference code :00000000

- Partition properties
- Processors
- Memory
- Persistent memory
- Physical I/O adapters
- Virtual networks
- Virtual NICs
- Virtual storage
- Hardware virtualized I/O
- Tasks log
- Partition Profiles updated
- Serviceability**
- Reference code log
- Partition virtual storage diagram

Control panel functions

- (21) Activate dedicated service tools
- (65) Disable remote service
- (66) Enable remote service
- (67) Disk unit IOP reset / reload
- (68) Concurrent maintenance power off domain
- (69) Concurrent maintenance power on domain
- (70) IOP control storage dump

Remote Connections

Accessing your HMC and partitions remotely

Remote Control — HTTPS Access

- Access the HMC from any browser: <https://hmc-ip-address>
- Full HMC functionality available via web UI — no additional software required
- Use ETH1 (open network) for inbound remote access — ETH0 is private-only
- Remote console to partitions is also available through the HMC web interface
- eBMC provides additional remote hardware control and monitoring

Remote Control — HMC HTTPS Access

The screenshot displays the Hardware Management Console (HMC) interface accessed via HTTPS. The browser address bar shows the URL `https://192.168.1.56/hmc/connect`. The page title is "Hardware Management Console".

Log in section:

- User ID:
- Password:
- Log in button: [Log in →](#)
- Learn about the HMC Interface: [Learn about the HMC Interface](#)

System Status Dashboard:

- 2 SYSTEMS are all good
- 6 PARTITIONS are all good
- 0 VIOS are all good
- 0 Attention LEDs
- 10 Serviceable Events

7 Key Points to Take Home

- 1** Configure HMC BEFORE powering on your Power System
- 2** ETH0 on HMC = private network with DHCP (closed — connects to eBMC/FSP)
- 3** Remote access to HMC via `https://ip-address` — use ETH1
- 4** Upgrade ORDER matters: HMC → FSP/eBMC → LIC → IBM i
- 5** Use eBMC on HMC for remote console and hardware control
- 6** A disruptive FSP/eBMC update immediately ends ALL active partitions
- 7** Always backup HMC to EXTERNAL media before any upgrade

Your Turn!

Questions & Discussion



CONTACT

Pete Massiello

petem@peteandi.com

Thank you for attending!