ESCALA

Roadmap for installing the HMC

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Hardware

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Contents

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(C026)

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CAUTION:
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Power and cabling information for NEBS (Network Equipment-Building System) GR-1089-CORE

The following comments apply to the IBM servers that have been designated as conforming to NEBS (Network Equipment-Building System) GR-1089-CORE:

The equipment is suitable for installation in the following:

- Network telecommunications facilities
- Locations where the NEC (National Electrical Code) applies

The intrabuilding ports of this equipment are suitable for connection to intrabuilding or unexposed wiring or cabling only. The intrabuilding ports of this equipment *must not* be metallically connected to the interfaces that connect to the OSP (outside plant) or its wiring. These interfaces are designed for use as intrabuilding interfaces only (Type 2 or Type 4 ports as described in GR-1089-CORE) and require isolation from the exposed OSP cabling. The addition of primary protectors is not sufficient protection to connect these interfaces metallically to OSP wiring.

Note: All Ethernet cables must be shielded and grounded at both ends.

The ac-powered system does not require the use of an external surge protection device (SPD).

The dc-powered system employs an isolated DC return (DC-I) design. The DC battery return terminal *shall not* be connected to the chassis or frame ground.

Road map for installing the Hardware Management Console

Follow the steps in this road map to perform a first-time HMC installation and configuration.

Use the information in this road map to guide you through the high-level tasks that you need to successfully set up the HMC for the first time. To install and configure the HMC, you must do the following:

1. Prepare for the installation and configuration
2. Install the HMC hardware
3. Configure the HMC software

Planning for HMC installation and configuration

This section describes the high-level planning tasks you must perform before you install and configure your HMC.

To plan for HMC installation and configuration, do the following:

1. Ensure that your HMC hardware meets the requirements to manage your server and obtain and install the latest HMC code.
2. Determine the physical location of the HMC in relation to the servers it will manage. If the HMC is more than 25 feet from its managed system, you must provide web browser access to the HMC from the managed system's location so that service personnel can access the HMC.
3. Identify the servers that the HMC will manage.
4. Determine whether you will use a private or an open network to manage servers.
5. If you will use an open network to manage a Flexible Service Processor (FSP), you must manually set the FSP's address through the Advanced System Management Interface (ASMI) menus. A private, nonroutable network is recommended.
6. If you have two HMCs, designate a primary and secondary HMC. The primary HMC should be physically closer to the machine, and should be the HMC that is configured to call home.
7. Determine the network settings that you will need to connect the HMC to remote workstations, logical partitions, and network devices.
8. Define how the HMC will connect to use the call-home function. Call home options include over an outbound-only Secure Socket Layer (SSL) Internet connection, a modem, or a Virtual Private Network (VPN) connection.
9. Determine the HMC users that you will create and their passwords, as well as which roles they will be given.
10. Document the following company contact information that will be needed when you configure call home:
    - Company name
    - Administrator contact
    - E-mail address
    - Telephone numbers
    - Fax numbers
    - The street address of the HMC's physical location
11. If you plan to use e-mail to notify operators or systems administrators when information is sent to IBM Service through call-home function, identify the Simple Mail Transfer Protocol (SMTP) server and the e-mail addresses you will use.

12. Define the following passwords:
    - The access password that will be used to authenticate the HMC to the FSP
    - The ASMI password that will be used for the `admin` user
    - The ASMI password that will be used for the `general` user

    Create the passwords when you connect from the HMC to a new server for the first time. If the HMC is a redundant or second HMC, obtain the HMC user password and be prepared to enter it when you connect the first time to the managed server's FSP.
13. For detailed information about the planning tasks you should complete before performing a first-time installation, see Preparing for HMC configuration.

Install the HMC hardware. To Install the HMC into a rack, see "Installing your rack-mounted HMC." To install a desk-side HMC, see "Installing your stand-alone HMC" on page 3.

Installing your rack-mounted HMC

A procedure that describes how to install the Hardware Management Console into an existing rack enclosure.

To install the HMC into a rack, do the following:

1. Complete a parts inventory.
2. Locate the rack-mounting hardware kit and the system rail assemblies that were included with your system unit.
3. Determine where to install the HMC and monitor into the rack and mark the location.
4. Install the slide rails for the HMC and monitor into the rack.
5. Install the HMC and Monitor on the slide rails.
6. Install the cable-management arm.
7. Identify the location of the HMC connectors.
8. Attach the monitor cable to the monitor connector, tighten the screws, and connect the keyboard and mouse to Universal Serial Bus (USB) ports on the HMC.
9. Attach the power cord to the monitor.
10. Ensure that the voltage selection switch on the HMC is set to the voltage used in your world region.
11. Plug the power cord into the HMC.
12. Connect the optional modem.
13. Connect the Ethernet cable to the HMC in eth0 port.
14. Connect the Ethernet port on the HMC to the Ethernet port that is labeled **HMC1** on the managed system. If you are connecting a second HMC to your managed server, connect to the Ethernet port that is labeled **HMC2** on the managed system.
15. If you use an external modem, plug the modem power supply cord into the HMC modem.
16. Plug the power cords for the monitor, HMC, and HMC external modem into electrical outlets.

    Note: If you are connecting this HMC to a new, uninstalled managed system, do not connect the managed system to a power source at this time.
17. For detailed rack-mounted HMC installation procedures, go to: Installing the HMC into a rack (http://publib.boulder.ibm.com/infocenter/systems/scope/hw/topic/iphai/hmccr4iphbf.htm).

Configure the HMC. For more information, see "Configuring the HMC for the first time" on page 3.

Installing your stand-alone HMC

Use high-level tasks to install the stand-alone (or deskside) HMC. Describes how to physically install a deskside, or stand-alone, HMC.

To cable your stand-alone HMC, do the following:

1. Position the HMC in the correct location.
2. Identify the location of the HMC connectors.
3. Attach the monitor cable to the monitor connector, tighten the screws, and connect the keyboard and mouse to Universal Serial Bus (USB) ports on the HMC.
4. Attach the power cord to the monitor.
5. Ensure that the voltage selection switch on the HMC is set to the voltage used in your world region.
6. Plug the power cord into the HMC.
7. Connect the optional modem.
8. Connect the Ethernet cable to the HMC on the eth0 port.
9. Connect the Ethernet port on the HMC to the Ethernet port that is labeled **HMC1** on the managed system. If you are connecting a second HMC to your managed server, connect to the Ethernet port that is labeled **HMC2** on the managed system.
10. If you use an external modem, plug the modem power supply cord into the HMC modem.
11. Plug the power cords for the monitor, HMC, and HMC external modem into electrical outlets.

    Note: If you are connecting this HMC to a new, uninstalled managed system, do not connect the managed system to a power source at this time.
12. For detailed stand-alone HMC cabling procedures, see Cabling your stand-alone HMC (http://publib.boulder.ibm.com/infocenter/systems/scope/hw/topic/iphai/desksideinstall.htm).

Configure the HMC. For more information, see “Configuring the HMC for the first time.”

Configuring the HMC for the first time

Learn more about how to configure the HMC for the first time.

You can configure the HMC by using several different methods. The following procedure describes the most common way to configure the HMC.

To configure the HMC, do the following steps:

1. Turn on the HMC by pressing the power button.
2. Wait for the HMC to automatically select the default language and locale preference.
3. Accept the HMC license agreements. If you decline the HMC license agreements, you cannot complete the HMC configuration.
4. Click **Log on and launch the Hardware Management Console web application**.
5. Log in to the HMC:
   - ID: `hscroot`
   - Password: `abc123`

   The Guided Setup wizard opens.
6. Click **OK** on the Guided Setup entry window.
7. Complete the steps in the Guided Setup wizard. Click **Yes** to continue and complete the steps in the Connectivity and Call-Home Servers wizard.
8. On the Summary window, click **Finish**.

9. If you have not connected the Ethernet crossover cable to your managed system, do so now and power on the managed server.
10. In the HMC navigation area, click **Service Management**.
11. In the contents area, click **Authorize User**. The Authorize User window opens.
12. Enter your IBM ID in the field and click **OK**.

For more information about other ways to configure the HMC, see Configuring the HMC (http://publib.boulder.ibm.com/infocenter/systems/scope/hw/topic/iphai/configure.htm).

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Industry Canada Compliance Statement

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Avis de conformité à la réglementation d'Industrie Canada

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European Community contact:
IBM Technical Regulations
Pascalstr. 100, Stuttgart, Germany 70569
Tele: 0049 (0)711 785 1176
Fax: 0049 (0)711 785 1283
E-mail: tjahn@de.ibm.com

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声　明

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台北市松仁路7號3樓
電話：0800-016-888

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