

# Installation of the Virtual I/O Server directly from the HMC

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## Installation of the Virtual I/O Server directly from the HMC

HMC firmware version 7.7.7 allows installation of the Virtual I/O Server directly from the HMC.

Steps:

1. Download VIOS installation .iso images from [IBM website](#).
2. Copy installation images to the HMC. Go to **HMC Management – Manage Virtual I/O Server Image Repository**

## HMC Management ( HMC Version )

### Operations

- View Management Console Events
  - View the event log of management console operations and activities
- Shut Down or Restart
  - Shut down or restart the management console
- Schedule Operations
  - Schedule selected operations for the management console
- Format Media
  - Format a DVD, diskette, or USB flash memory device.
- Back up management console data
  - Back up management console information to a remote system, or to a remote site
- Restore Management Console Data
  - Restore critical management console data from a remote source
- Save Upgrade Data
  - Save upgrade data to the management console hard drive or DVD
- Change Network Settings
  - View current network information and change settings
- Test Network Connectivity
  - View network diagnostic information about the network protocols for the management console
- View Network Topology
  - View and ping nodes within the management console's network topology
- Tip of the Day
  - Display tips for using the console
- View Licenses
  - Read the licenses for the product
- Change Default User Interface Settings
  - Customize the default appearance of the management console user interface
- Change User Interface Settings
  - Customize the appearance of the management console user interface
- Change Date and Time
  - Change the date and time for the management console
- Launch Guided Setup Wizard
  - Step through setting up your management console users, passwords, network settings, and customer notification of problems

### Administration

- Change User Password
  - Change your password
- Manage User Profiles and Access
  - Add, copy, remove, and modify management console system users and user profiles
- Manage Task and Resource Roles
  - Add, copy, remove, and modify managed resource and task roles
- Manage Users and Tasks
  - View the logged on users and the tasks they are running
- Manage Certificates
  - Create, modify, delete, and import certificates used on the Management Console, and view certificate signing information
- Configure KDC
  - Key Distribution Center Configuration
- Configure LDAP
  - Enterprise Directory Service Configuration
- Remote Command Execution
  - Enable or disable the command line interface on an management console
- Remote Virtual Terminal
  - Enable or disable virtual terminal connections for remotely connected management console sessions
- Remote Operation
  - Control whether this management console can be operated using a web browser from a remote workstation
- Change Language and Locale
  - Change the management console user interface language and locale
- Create Welcome Text
  - Customize the greeting displayed before logging on
- Manage Data Replication
  - Share customizable data between management consoles including custom group data, customer information, and more
- Manage Install Resources
  - Add and remove operating environment install image resources on the management console

- Manage Virtual I/O Server Image Repository
  - Add and remove Virtual I/O Server install image resources on the HMC

Transferring

3. Complete information where the images can be copied from

 **Import Virtual I/O Server Image**

Name: \*

Import From:

Management Console DVD

File System

Remote NFS Server

Remote FTP Server

Remote SFTP Server

Remote Server: \*

User Id: \*

Password: \*

Remote Directory: \*

Resource1: \*

Resource2:

 **Virtual I/O Server Image Repository**

Available Space: 13.60 GB

Virtual I/O Server Images:

Select	Image Name	Size
<input type="checkbox"/>	vios2234	4.91 GB

4. Select your brand new VIOS partition profile, and click **Operations – Activate – Profile** and select **Yes** for Install Virtual I/O Server as part of activation process?

**Activate Logical Partition:viostest**

Logical Partition name: viostest

Install Virtual I/O Server as part of activation process?

Yes

No

Select a profile below to activate the logical partition with.

Logical Partition profiles:

viostest

Advanced...

Open a terminal window or console session

OK Cancel Help

5. Type in the IP address, subnet mask and default gateway for VIOS.

## Activate Logical Partition - Install Virtual I/O Server - viostest

Logical Partition Name: viostest

Logical Partition Profile: viostest

### Select Virtual I/O Server installation source

- Local Repository
- DVD
- NIM Server

### Specify Virtual I/O Server Values

NIM Server IP Address: \* 165.72.131.86

Image: \* vios2234

Ethernet Adapter: \* U78C0.001.DBJN345-P2-C8-T3

IP Address: \* 165.72.54.21

Subnet Mask: \* 255.255.255.0

Gateway: \* 165.72.54.1

6. The installation process starts. It will do everything what is necessary to install the VIOS.



HMC console acts as a NIM server. Therefore, if the console is behind the firewall, you must ensure that all ports required by NIM are opened.

7. When the installation finished, open virtual terminal in the HMC *vtmenu* , and do the first login to the VIOS with a default password padmin for padmin user.

Once the VIOS is installed, you can use it as virtual media repository. It allows you to create virtual drive where you can load OS installation images (IBM i, AIX, or Linux) and proceed with OS installation completely remotely.

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