

IBM Hyper-Scale Manager version 1.4

Quick Start Guide for installation as Virtual Appliance



This quick start guide walks you through installing the IBM Hyper-Scale Manager VM and using it with the IBM Storage XIV Management (XIV GUI).

This is an *.ovf installable virtual appliance for VMWare hypervisor.

This installation type is intended for storage administrators that are not familiar with Linux and can use VMWare resources in their organizations.

Almost no pre-requisites are needed here as you cannot access the OS shell beside running pre-prepared scripts using a main menu. Everything is configured almost automatically, while running a wizard to ease the installation.

1: Installing the IBM Hyper-Scale Manager VM

Prior to the configuration of the IBM Hyper-Scale Manager, you need to install the virtual machine itself. This installation deploys the *ovf* image of the IBM Hyper-Scale Manager on your VMWare ESX.

1. Prepare a virtual machine (these specifications are also listed on the IBM Hyper-Scale Manager Release Notes):
 - Memory and vCPU:
 - Up to 60 XIV systems – 4 GB; dual core
 - 61-100 XIV systems – 6 GB; quad core
 - 101-120 XIV systems – 6 GB; six core
 - 121-144 XIV systems – 8 GB; six core
 - ESX Server versions - 4, i4, 4.1, i4.1, i5
 - VM disk size – 76 GB
 - Ports that need to be opened:
 - Outbound/Inbound: RMI - 1199-1209
 - Inbound only: SSH/SCP - 22
 - Outbound only: SMTP - 25
 - Communication with XIV systems - 7778
 - RESTful API port – 8443
 - Allowed latency between the IBM Hyper-Scale Manager and the XIV systems it monitors: max of 200 ms
 - Maximum number of GUI concurrently connected to one server – 15
 - Max XIV Systems administered by one server - 144
 2. The installation procedure will ask for the following information. Record it in the space provided:
 - Networking configuration: You can either work with DHCP or with Static IP.
In case you work with Static IP, please prepare: IP Address and netmask, gateway and DNS parameters related to the static IP.
 - Hostname _____
 - A new password for 'root' (the default password: **xivmsRoot**) _____
 - NTP servers (if any) _____
 - SMTP address (not mandatory) _____
 3. Download the file named: [IBM-Hyper-Scale-Manager <version>.zip](#).
 4. Unzip it to your local PC that has accessibility to VMWare vSphere client.
 5. Fine tune the VM resources according to the specifications on step 1 above.
 6. Deploy the *.ovf file supplied in the ZIP using *Deploy OVF Template* in the ESX vSphere Client. [Follow the link for instructions \(steps 1-11 only\)](#).
- Notes:**
- The virtual machine will consume 76 Gb of free space.
 - You may see some warnings related to compatibility. Please ignore them and approve.
7. Power on the VM.
 8. On the VMWare console, login with: user=**root**, password=**xivmsRoot**.
 9. The wizard opens on screen. Follow the steps on the next section.

2: Configuring the IBM Hyper-Scale Manager on the VM

The wizard welcome screen guides you through the steps of the configuration.

1. Click **Enter** to view the IBM Hyper-Scale Manager license agreement. Click **1** to approve it or **2** to decline.
2. Change the 'root' password.
3. Set up the network configuration. Configure with Static IP, or DHCP.
4. Set up the NTP and regional settings.
 - a. Optionally, set the timezone.
 - b. Change the date & time, alternatively, add an NTP server.
5. Set up the SMTP connectivity. Enter the SMTP server address and SMTP server port and approve.

6. The IBM Hyper-Scale Manager is now installed and configured.
7. Please provide the IBM Hyper-Scale Manager IP Address / hostname to the Storage Administrator in order to continue to Step 3:
 - IP address _____
 - Hostname _____

3: Initializing the IBM Hyper-Scale Manager Inventory

This step is for the XIV storage administrator.

Make sure you have the IBM Hyper-Scale Manager server IP Address / hostname.

1. Export a list of the XIV systems you are currently using:
 - If you have a previous version of IBM XIV GUI: Export the list from the **Systems > Export Systems File** dialog on the GUI
 - If you don't have an IBM XIV GUI, go to step 2.
2. Install [IBM XIV GUI 4.3](#).
3. Launch the GUI in Direct mode (direct mode means connecting an XIV system directly to the GUI) by selecting **direct** on the Mode field of the Login screen.
4. Connect the XIV GUI to the IBM Hyper-Scale Manager through the **Systems > Preferences** dialog.
5. If you have exported the systems list on **step 1** (above), open the **Systems > Import Systems File** to import the systems list. Else, add the systems / groups manually. You can do both through the **Systems > Manager Configuration > Inventory** dialog.
The default Manager Access Code is *adminadmin*.

You are ready to work with your XIV GUI using IBM Hyper-Scale Manager to enjoy Multi-System features.

More information

The complete set of installation instructions is available on the [IBM Hyper-Scale Manager for Virtual Appliance Version 1.4](#).

This user guide and all other XIV documentation are available on the Information Center:

[IBM® XIV® Storage System Information Center website](#)

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