

Setting up IBM Fabric Manager (IFM)

Prerequisites:

- The chassis has been installed and configured.
- For IBM Flex System Manager environments, the IBM Flex System Manager node has been configured.

Steps:

IBM® Fabric Manager (IFM) is a solution that enables you to quickly replace and recover compute nodes in your environment. It does this by assigning Ethernet MAC, Fibre Channel WWN, and SAS WWN addresses so that any compute nodes plugged into those bays take on the assigned addresses. This enables the Ethernet and Fibre Channel infrastructure to be configured once, before any compute nodes are connected to the chassis.

Use the following steps to set up IFM for use on IBM Flex System Enterprise Chassis components

1. Configure the environment for IFM, as follows:

- In order to use IFM, you must purchase an IFM Features on Demand (FoD) license key for each chassis on which you want to use IFM. Then, you must install the license on the Chassis Management Module (CMM).

Visit the following web site to purchase and download the IFM FoD activation keys:

<http://www.ibm.com/systems/x/fod/>

To install the license keys on the CMM, on the Web interface, go to the Mgt Module Management -> License Key Management page.

- Configure the TCP Command Mode Protocol on the CMM.

From the CMM web interface, go to the Mgt Module Management -> Network page. Click on the TCP Command Mode tab and make sure that the Secure command mode connections option is set to 20.

2. If you do not have an IBM Flex System Manager node installed, follow these steps:

- Download the IFM server from the following link:

<http://www-01.ibm.com/software/lotus/passportadvantage/>

The IFM server supports both Windows and Linux environments.

- Install the IFM server. For information on installing the IFM server on Windows or Linux, refer to the following link:

In the information center (Internet):

http://pic.dhe.ibm.com/infocenter/flexsys/information/topic/com.ibm.acc.iofm.doc/dw1li_advanced.html

From the installed documentation on the IBM Flex System Management console, navigate to:

IBM Flex System information → Management devices and solutions → IBM Fabric Manager → Using IFM

- Start the IFM server/service. Refer to the following information:

In the information center (Internet):

http://pic.dhe.ibm.com/infocenter/flexsys/information/topic/com.ibm.acc.iofm.doc/dw1li_starting.html

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- Connect to the IFM web interface. Open a web browser and enter `https://` followed by the hostname or IP address of the system you installed the IFM server on followed by `:8044/ofm/console/login`. For example, `https://IPAddr:8044/ofm/console/login`

Note: You *must* use a secure (`https://`) connection and must use the entire URL. Putting just the hostname or IP address in the URL will not work.

3. If you have an IBM Flex System Manager management node, the IFM server is packaged with the management software so you do not have to download or install it. Follow these steps:

- Start the IFM server/service

From the Home page of the IBM Flex System Manager software, select the Applications tab and use the controls under the IFM application to start the service.

- Launch the IFM interface

From the Home page of the IBM Flex System Manager software, select the Applications tab and click on the link for the IFM application.

4. Use the IFM web interface to configure your environment for IFM. Refer to the following information:

In the information center (Internet):

http://pic.dhe.ibm.com/infocenter/flexsys/information/topic/com.ibm.acc.iofm.doc/dw1li_advanced.html

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