

Relocating a virtual server from one host to another

Prerequisites:

Make sure that you have met the following prerequisites before you complete the steps in this quick start guide:

- An IBM Flex System Manager management node is managing a chassis. For more information about installing components in a chassis and configuring those components, see the following quick start guides:
 - *Installing the IBM Flex System Enterprise Chassis*
 - *Configuring components of the IBM Flex System Enterprise Chassis*
 - *Configuring the IBM Flex System Manager management node*
 - *Selecting one or more chassis to be managed in the IBM Flex Systems Manager domain or Adding a chassis to an existing Flex System Manager management domain*
- At least two Power Systems or two Linux Kernel-based Virtual Machine (KVM) host systems are available and they exist within the same server system pool.

Note: It is possible to relocate a virtual server if the two hosts are not in a server system pool, but this example assumes that they are.

For more information about setting up server system pools, see the “*Creating a system pool that supports relocation*” quick start guide.

Steps:

Complete the following steps to create a system pool that supports relocation:

1. Log in to the IBM Flex System Manager user interface with a user account that has sufficient privileges to configure devices managed by the IBM Flex System Manager management node.
2. Select the Plug-ins tab on the Home page.
3. Click **VMControl**.
4. Relocate a virtual server:
 - a) Select the Virtual Servers/Hosts tab.
 - b) Right-click the virtual server to be relocated. Then, click **Availability**→**Relocate**. Because the virtual server is in a server system pool, VMControl automatically selects the host to which the virtual server is moved. If server system pools were not used, you could manually select a target host.
 - c) Click **OK** to complete the relocation.

For more information, see the topic at the following link:

Information center (Internet):

http://pic.dhe.ibm.com/infocenter/flexsys/information/topic/com.ibm.acc.8731.doc/com.ibm.director.vim.helps.doc/fsd0_vim_c_relocate_vs.html

The IBM Flex System product documentation is also available on the IBM Flex System Manager management node. To access the installed documentation, click Information Center from the IBM Flex System Manager Home page and then navigate to:

IBM Flex System information → Management devices and solutions → IBM Flex System Manager management node → Managing virtualized resources → VMControl → Managing virtual servers → Relocating virtual servers → Relocate

Note: This quick start guide describes how to move a workload manually; it is possible to relocate workloads using the workload resiliency policy. In that case, the workload is relocated automatically (or manually pending user confirmation) when a predicted failure event occurs. For example, you can relocate a virtual server when a disk failure occurs. For more information, see the topic at the following link:

Information center (Internet):

http://pic.dhe.ibm.com/infocenter/flexsys/information/topic/com.ibm.acc.8731.doc/com.ibm.director.vim.helps.doc/fsd0_vim_t_relocating_automatically.html

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