

Capturing a virtual appliance from a workload

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 installed in a chassis and is managing the devices in that chassis, which include one or more compute nodes that have been discovered by the IBM Flex System Manager management node. For more information, 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*
- One or more virtual servers have been installed on at least one compute node in the chassis. For more information about creating virtual servers, see the *Creating a virtual server on an IBM Flex System compute node* quick start guide.
- The virtual servers that are to be captured have an activation engine installed and meet the requirements in the following topics:

Virtualization environment	Instructions
Power Systems, Network Installation Manager (NIM)	<p>In the 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_r_power_capture_reqs.html</p> <p>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 → Management node Types 7955, 8731, and 8734 → Managing virtualized resources → VMControl → Planning for VMControl → Supported virtualization environments → Power Systems → AIX using Network Installation Manager (NIM) → Capture support and requirements in a NIM-based Power Systems virtualization environment</p>
Power Systems, storage copy services (SCS)	<p>In the 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_r_sb_aix_on_power_capture_reqs.html</p> <p>The IBM Flex System product documentation is also available on the IBM Flex System Manager management node. To access the installed documentation, click Information</p>

Virtualization environment	Instructions
	Center from the IBM Flex System Manager Home page and then navigate to: IBM Flex System information→ Management devices→ Management node Types 7955, 8731, and 8734→ Managing virtualized resources→ VMControl→ Planning for VMControl→ Supported virtualization environments→ Power Systems→ Requirements and support for AIX, IBM I, and Linux using storage copy services (SCS)→ Capture support and requirements in an SCS-based Power Systems virtualization environment
Linux Kernel-based Virtual Machine (KVM)	<p>In the 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_r_kvm_capture_reqs.html</p> <p>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→ Management node Types 7955, 8731, and 8734→ Managing virtualized resources→ VMControl→ Planning for VMControl→ Supported virtualization environments→ Linux Kernel-based Virtual Machine (KVM)→ Capture support and requirements in a KVM virtualization environment</p>

Steps:

Use the following steps to capture a virtual appliance workload. You can then deploy the workload you capture using the instructions in the quick start guide related to deploying workloads.

1. Log in to the IBM Flex System Manager and select VMControl:
 - a) 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.
 - b) On the Home page, select the Plug-ins tab.
 - c) Select **VMControl**.

2. Prepare your workload for capture. To ensure that your workload can be captured, complete these steps:
 - a) Collect inventory on the host server where the virtual server resides, VIOS servers, and the virtual server being captured.
 - b) Ensure that the virtual server is in a valid state for capture, as follows:
 - For KVM, the virtual server must be powered off using the following command:
AE.sh --reset
 - For NIM, the virtual server must be powered on.
 - For storage copy services, the virtual server must be powered off.
 - For AIX virtual servers being captured into a NIM image repository, the operating system must be AIX version 5.3, 6.1 or 7.1.

3. Capture a virtual appliance from a workload:
 - a) Select the Virtual Appliances tab.
 - b) In the Common tasks box, click **Capture**.

- c) On the Name page, fill in the name and the description of the virtual appliance that you want to create.
- d) On the Source page, select **Workload**.
- e) On the Source Workload page, select the workload from which the virtual appliance will be created.
- f) Complete the wizard and click **Finish**.