Video Surveillance Recovery Guide for UCS Express Platform

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This guide describes the procedure to recover a virtualized Cisco® Video Surveillance Manager (VSM) on the Cisco Unified Computing System™ (UCS) Express platform.

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Introduction

This guide describes the procedure to recover a virtualized VSM on the UCS Express platform.

Audience

This recovery guide is intended for use by Cisco System Engineers, Physical Security Advanced Technology Provider (ATP) partners, and technical field staff that are developing and implementing Cisco Video Surveillance and UCS Servers for branch office and data center solutions.

A successful implementation also requires additional knowledge in the following areas:

- Cisco ISR-G2 (29xx/39xx Series) Internetwork Operating System (IOS) router configuration
- Cisco VSM (Release 6.3.2) installation and configuration

Assumptions

This guide details instructions for the recovery of VSM on UCS Express on the ISR G2 and assumes that data has been backed up and is available for restoring on the new recovered image. For backup instructions, see the *Cisco Video Surveillance Manager Install and Upgrade Guides* at http://www.cisco.com/en/US/products/ps9152/prod_installation_guides_list.html.

Recovering the VSM on the UCS

Note This recovery procedure assumes that the backup has been performed on the machine and that backup files are available for data recovery.

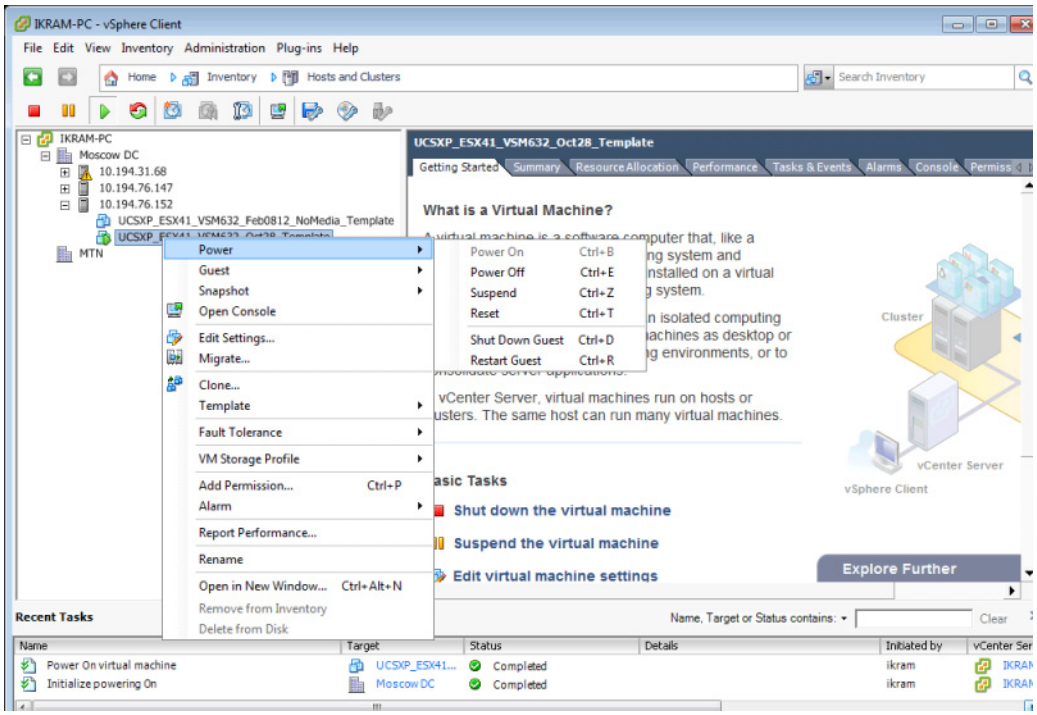
To recover the VSM on the UCS:

Step 1 Download the VSM, Release 6.3.2 VMware recovery template from the Cisco web site.

Note Template files are typically large in size. We recommend downloading and copying it to universal serial bus (USB) flash to avoid download delays.

Step 2 Launch the vSphere Client software (see Figure 1).

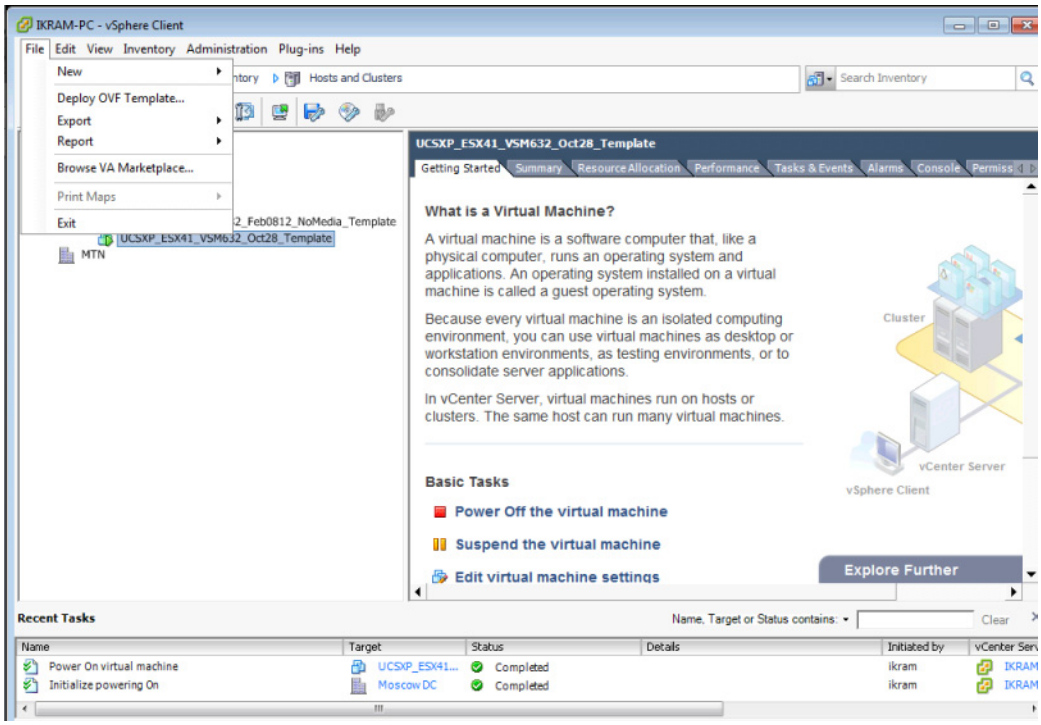
Figure 1 vSphere Client Software—Powering Off the VSM VM



Step 3 In the left pane (Inventory tree), right-click a virtual machine (VM) and select **Power > Power Off** to power off the current VSM VM.

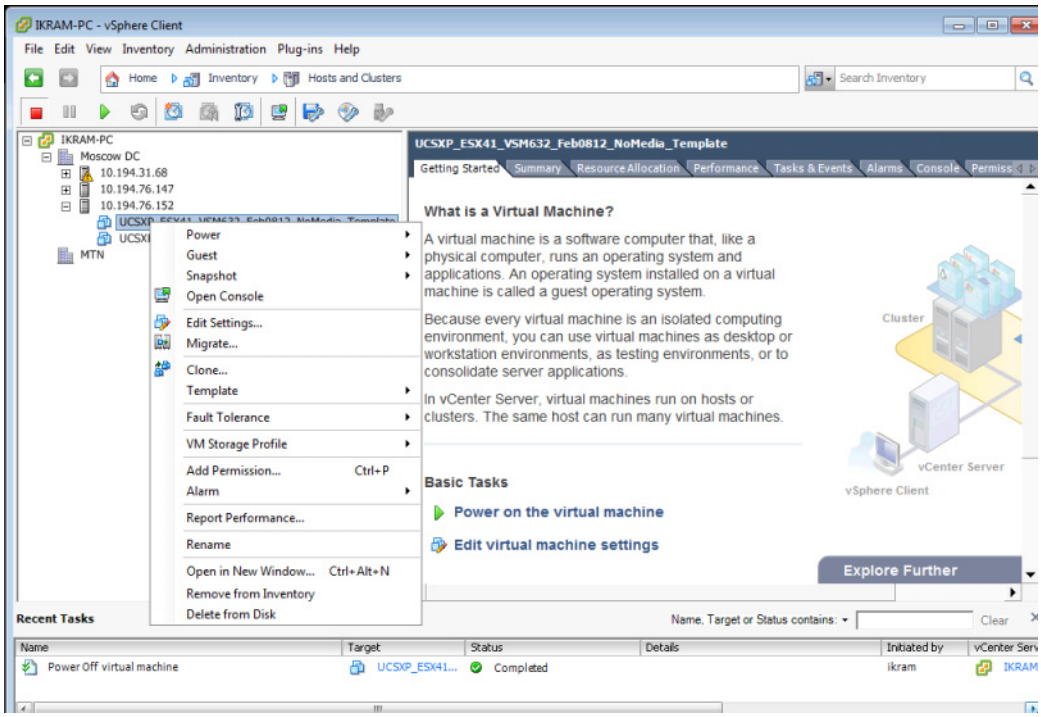
Step 4 On the vSphere Client toolbar, click **File > Deploy from OVF Template** (see Figure 2).

Figure 2 Deploying the OVF Template



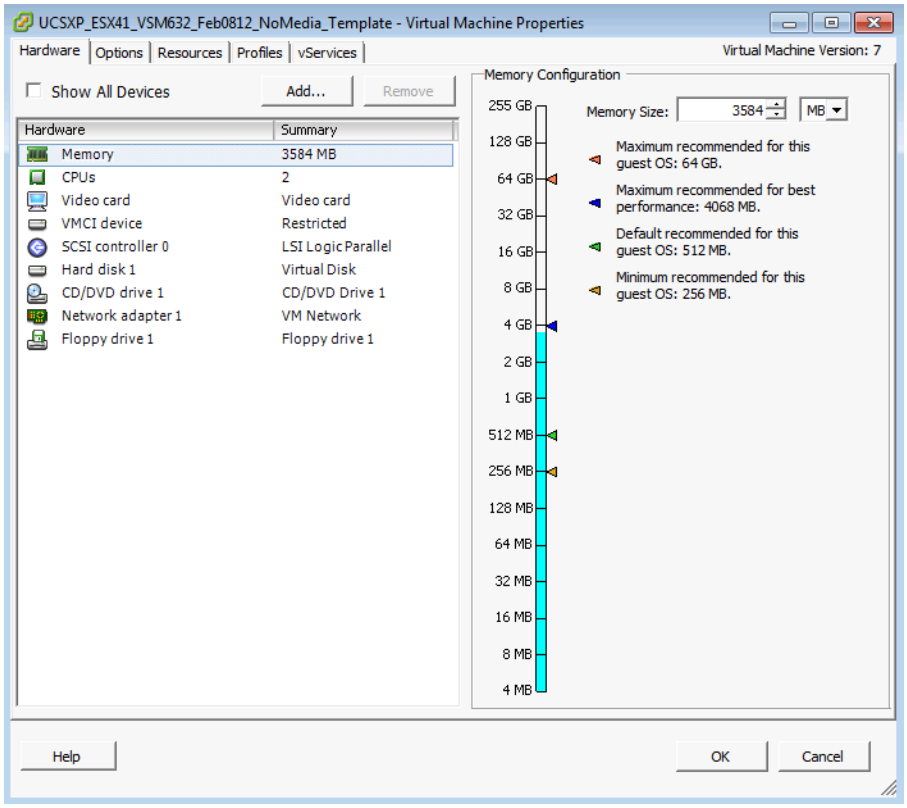
Step 5 In the left pane (Inventory tree), select the newly recovered VM (see Figure 3).

Figure 3 Current Summary of Selected VM



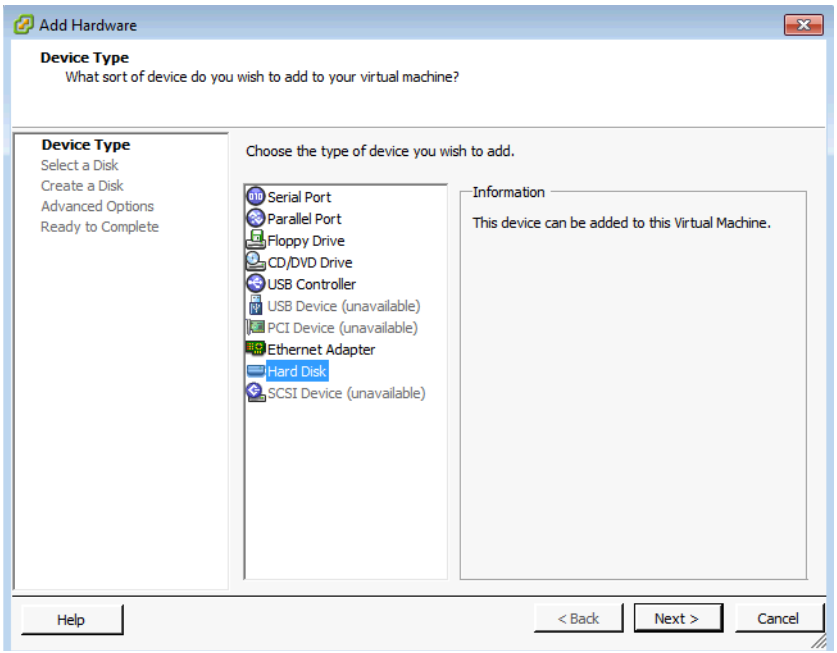
Step 6 Right-click the VM and select **Edit Settings** to display the devices (see Figure 4).

Figure 4 Adding a Hard Disk



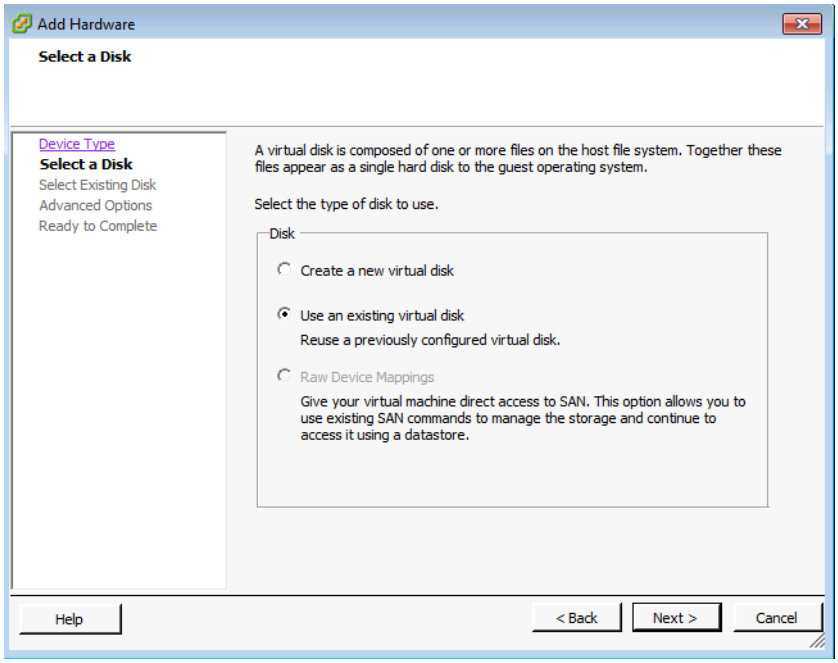
Step 7 Click **Add** > **OK** to connect to the existing media virtual disk from the old VM (see Figure 5).

Figure 5 Selecting Device Type (Hard Disk)



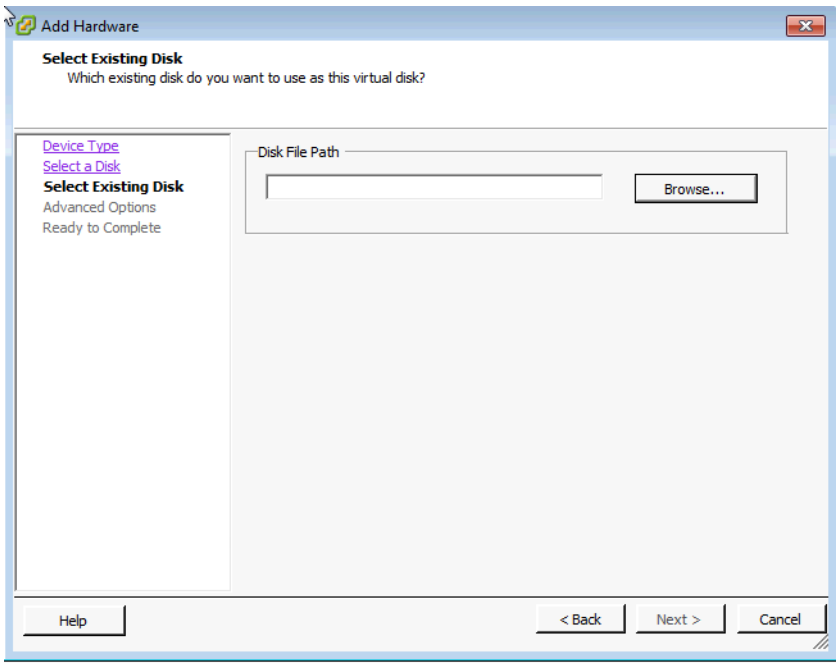
Step 8 From the list of device types, select **Hard Disk** and click **Next** to display the disk types (see Figure 6).

Figure 6 Selecting the Disk Type to Use



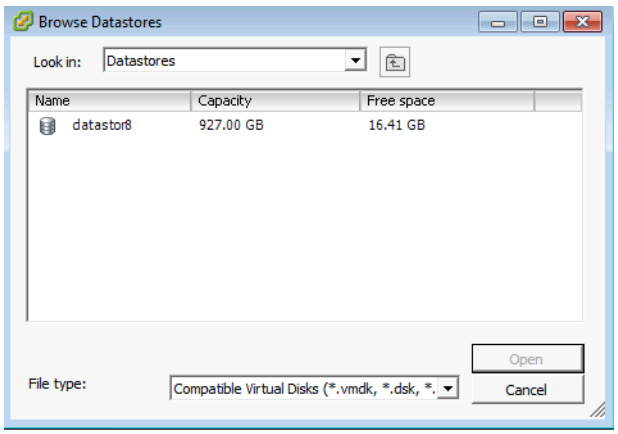
Step 9 Click the **Use an existing virtual disk** radio button and click **Next** to display the existing disks (see Figure 7).

Figure 7 Select an Existing Disk



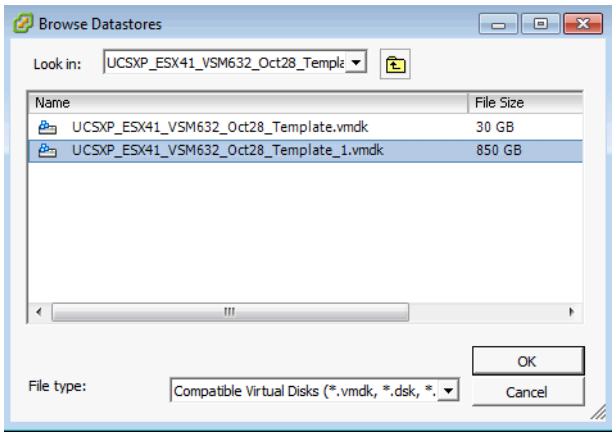
Step 10 Click **Browse** to navigate to the datastore in the old VM directory (see Figure 8).

Figure 8 Browsing Datastores



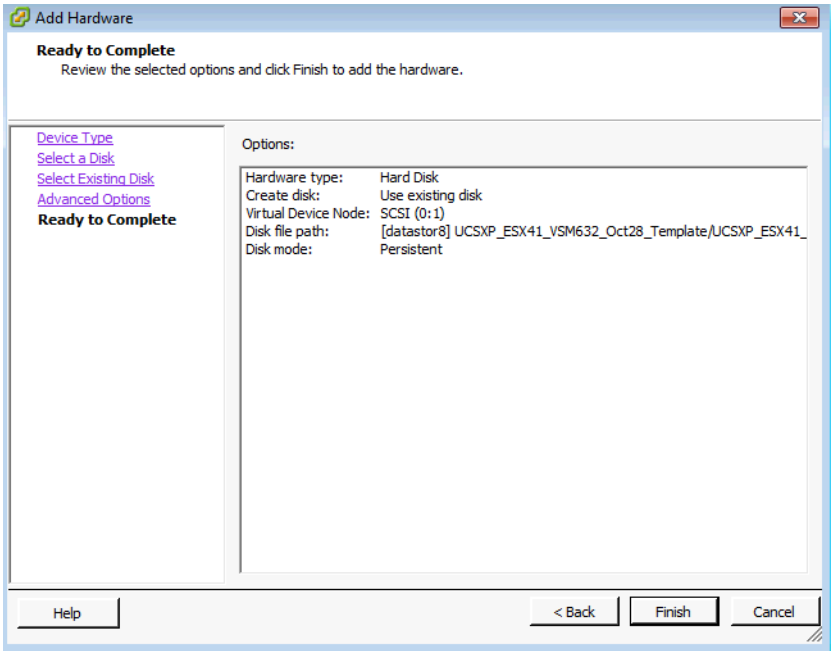
Step 11 Select the virtual disk file with **850 GB** file size (see Figure 10) and click **OK**.

Figure 9 Browse Datastores (850 GB)



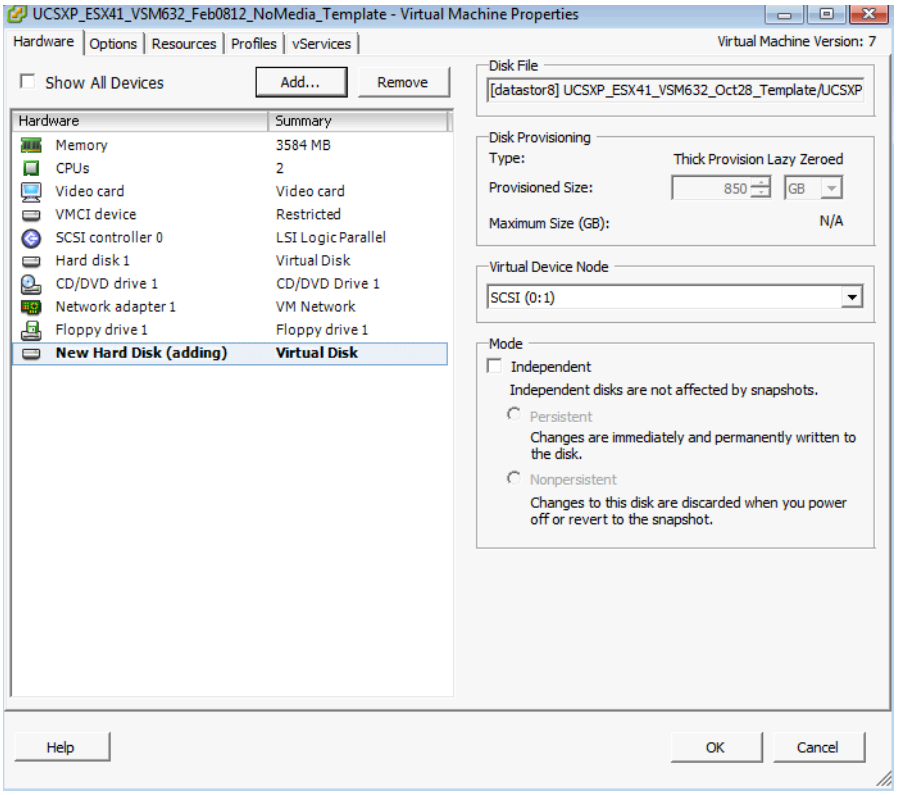
Step 12 Click **OK** and complete the remaining steps by selecting the default values (see Figure 10).

Figure 10 Ready to Complete



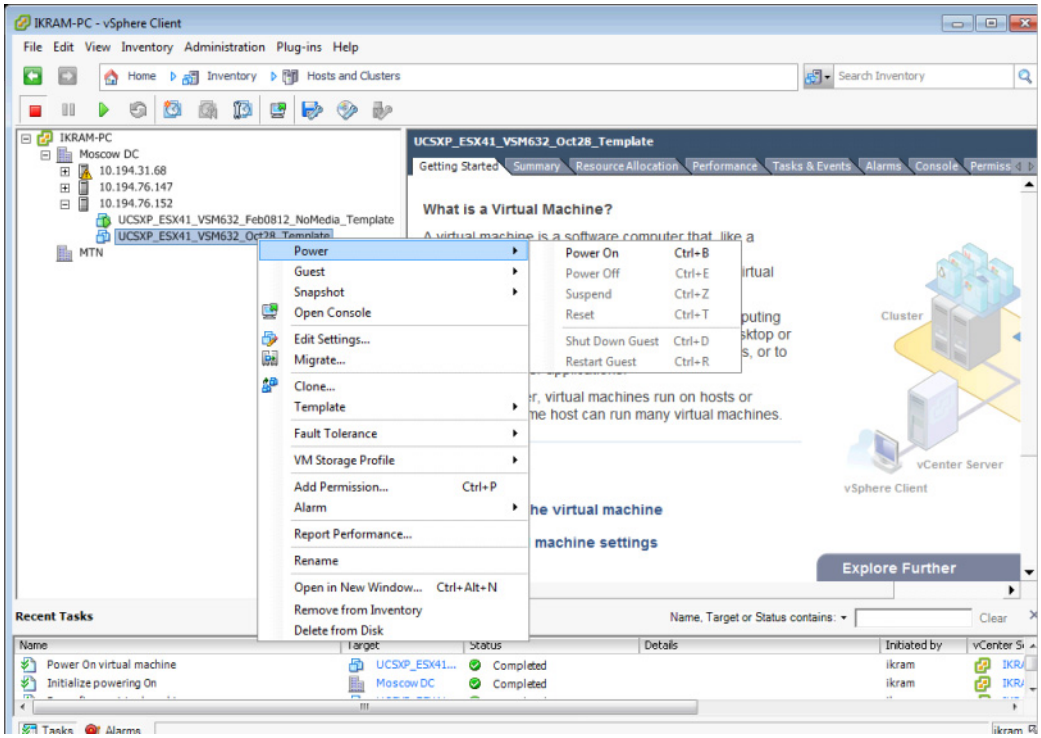
Step 13 Click **Finish** to display the devices (see Figure 11).

Figure 11 New Hard Disk (Adding)



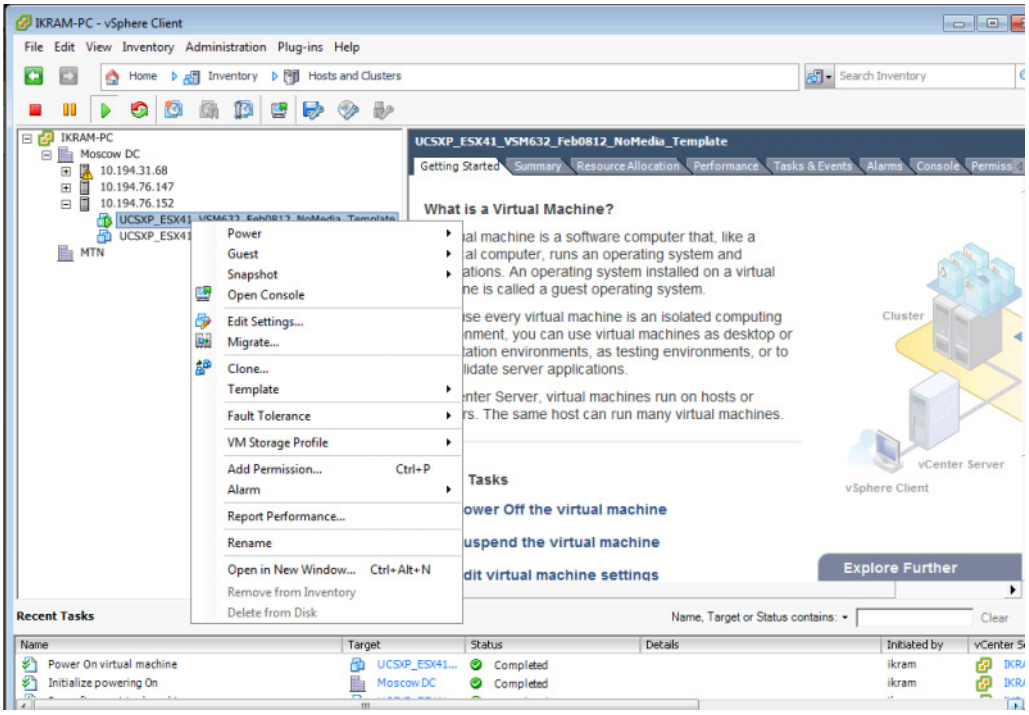
Step 14 Select **New Hard Disk (adding)** and click **OK** to display the list of VMs (see Figure 12).

Figure 12 List of New VMs



Step 15 In the left pane (Inventory tree), right-click a VM and select **Power > Power On** to display the VMs (see Figure 13).

Figure 13 Opening the VM Console

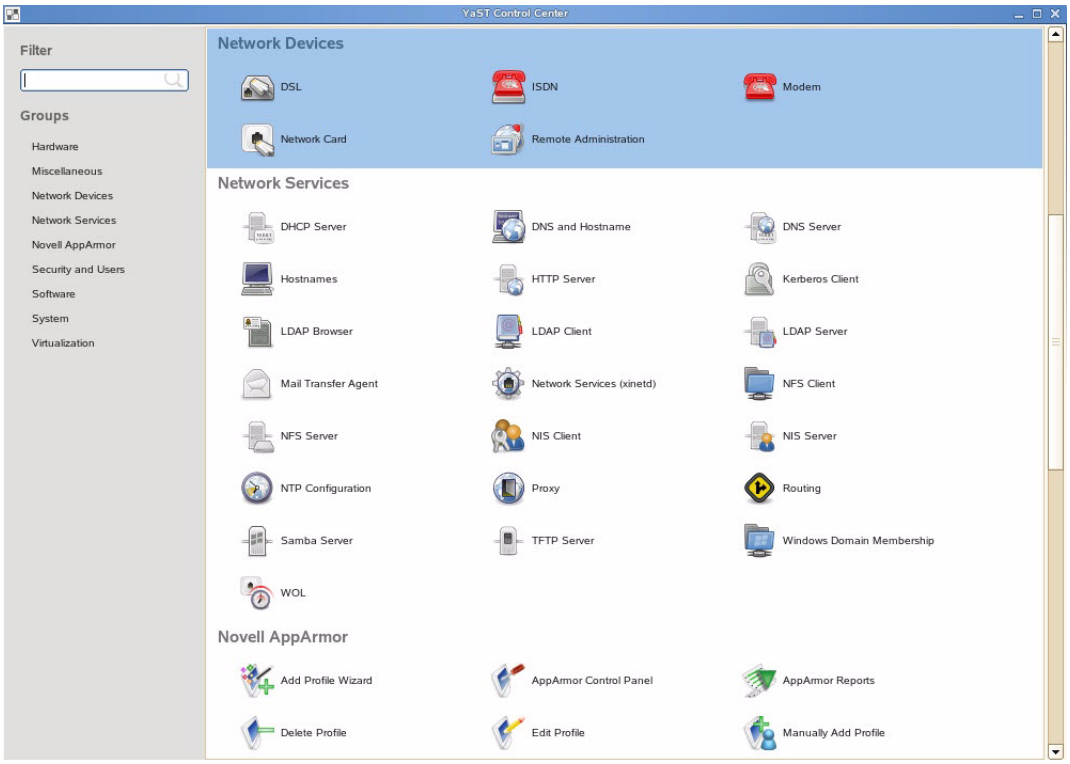


Step 16 In the left pane (Inventory tree), right-click a VM and select **Open Console**.

Step 17 Log on to the VSM with the standard default `root` username and the `secur4u` password.

Step 18 Launch the Yet Another Setup Tool (YaST) Control Center (see Figure 14) to configure the network and Network Time Protocol (NTP) settings to match the original VM.

Figure 14 YaST Control Center



1. Restore the VSOM to VSM data:
   a. Copy the VSOM backup file from its current location to the installed VSM server.Enter the following shell commands to stop the server:

      shell> **service cisco stop**

   b. From the Secure Shell (SSH) command line, enter the following command, where filename is the name of the backup file, and must include the .tar.gz extension:

      shell> **/usr/BWhttpd/bin/vsom_backup_restore -f filename**

      For example:

      shell> **/usr/BWhttpd/bin/vsom_backup_restore -f VSOM_psbu-dev03_backup_20100128164352.tar.gz**

   c. Restart the server.

      shell> **service cisco start**

2. Restore the VSM data:
   a. Enter the following command to stop the server:

      ```
      shell> service cisco stop
      ```

   b. Copy the Video Surveillance Media Server (VSMS) backup file from its current location to the VSMS server.
   c. Use the following command to extract the backup file, where the filename is the name of the backup file, and must include the .tar.gz extension:

      ```
      shell> gunzip filename.tar.gz e.
      ```

   d. From the SSH command line, enter:

      ```
      shell> tar -Pxvf filename.tar
      ```

      For example:

      ```
      shell> tar -Pxvf VSMS_PST_backup_20070327153851.tar
      ```

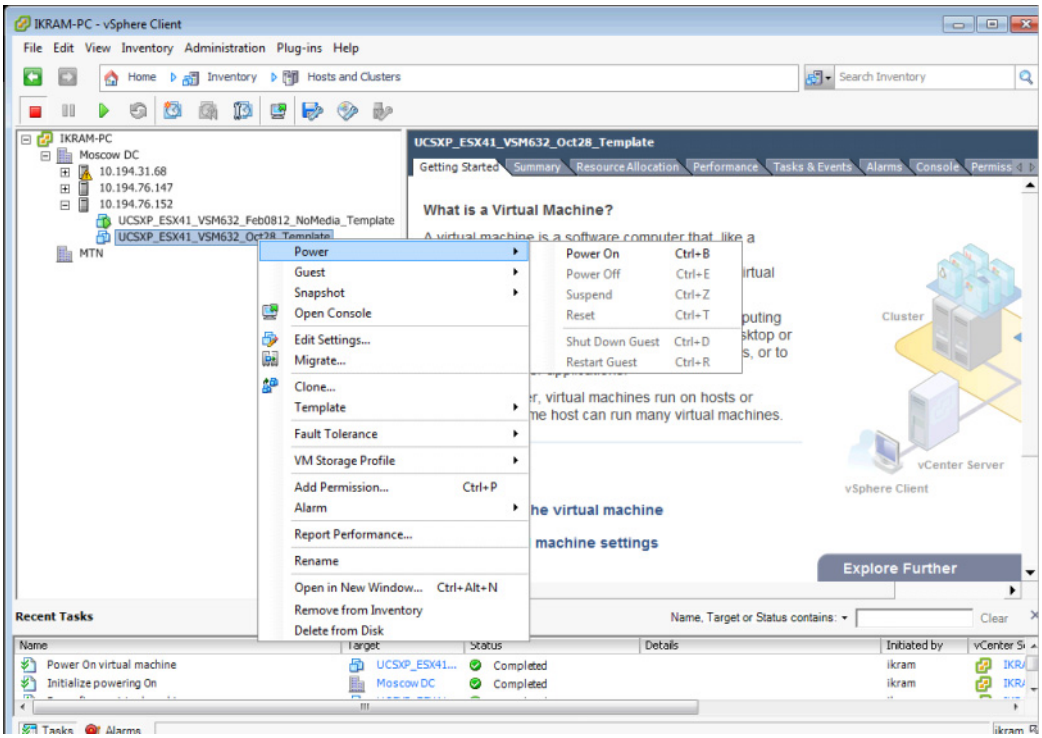
   e. Restart the server:

      ```
      shell> service cisco restart
      ```

3. Verify that the data is restored by logging on to the VSOM and viewing feeds from cameras and playing back archives.
4. In the left pane (Inventory tree), right-click the non-functional VSM VM and select **Delete from Disk** (see Figure 15).

Caution Do not delete the original machine until all the previous steps in the recovery procedure have been completed.

Figure 15 Deleting the VSM VM from the Disk



More Information

For more information about Cisco-related products, see the following resources:

Cisco Physical Security product information:
http://www.cisco.com/go/physec/

Cisco UCS Express Install and Upgrade Guides:
http://www.cisco.com/en/US/products/ps11273/prod_installation_guides_list.html

Cisco Video Surveillance Manager Install and Upgrade Guides:
http://www.cisco.com/en/US/products/ps9152/prod_installation_guides_list.html