Red Hat Hyperconverged Infrastructure for Virtualization 1.8

Managing virtual machines using the Web Console

Perform common virtual machine management tasks in the Web Console

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Perform common virtual machine management tasks in the Web Console

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Abstract

After Red Hat Hyperconverged Infrastructure for Virtualization has been deployed, you can perform many operational and management tasks for virtual machines using the Web Console. Read this book to understand how to manage virtual machines using the Web Console. This document explains how to perform maintenance tasks specific to Red Hat Hyperconverged Infrastructure for Virtualization.

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MAKING OPEN SOURCE MORE INCLUSIVE

Red Hat is committed to replacing problematic language in our code, documentation, and web properties. We are beginning with these four terms: master, slave, blacklist, and whitelist. Because of the enormity of this endeavor, these changes will be implemented gradually over several upcoming releases. For more details, see our CTO Chris Wright's message.

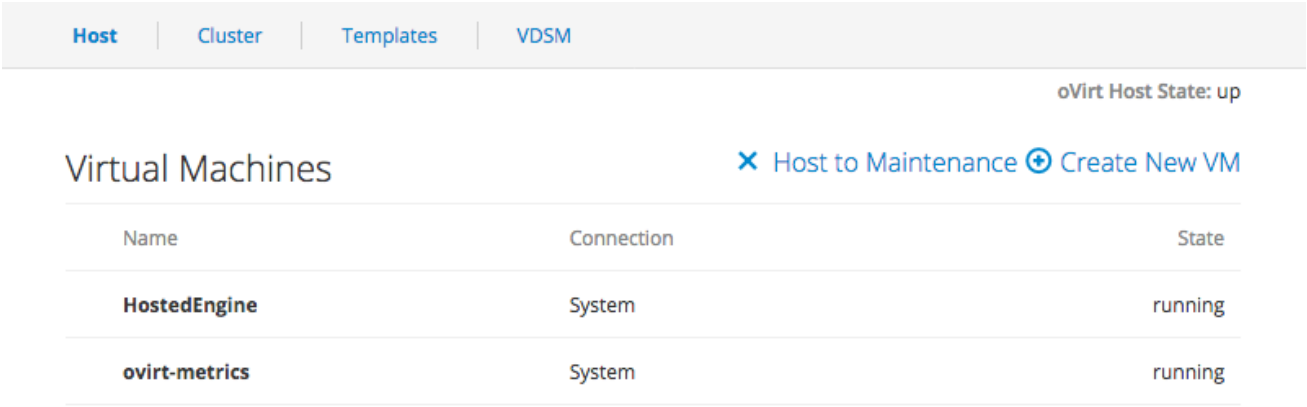
CHAPTER 1. UNDERSTANDING THE WEB CONSOLE

1.1. UNDERSTANDING THE OVIRT MACHINES TAB

The **oVirt Machines** tab provides an overview of the virtual machines running in the hyperconverged cluster.

To view this tab, browse to the Web Console interface for your server (for example, http://server1.example.com:9090), log in, and click the hostname and **oVirt Machines**.

The oVirt Machines tab



This tab is divided into a number of subtabs.

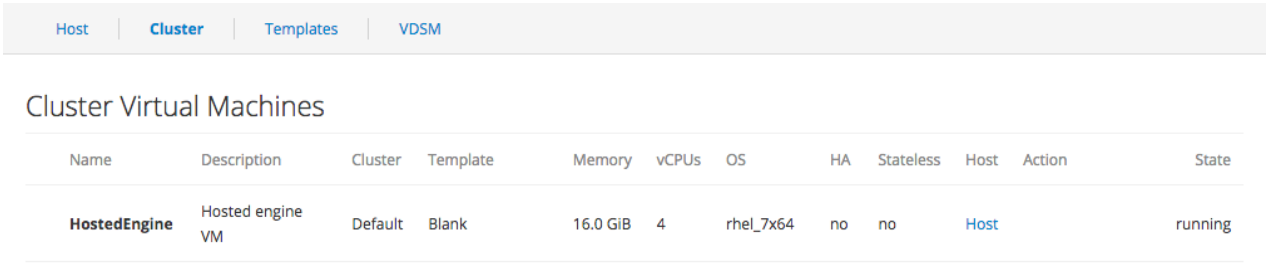
Host

The **Host** subtab shows information about virtual machines that are available on this hyperconverged host. Clicking on each virtual machine shows a summary of that machine, as well as various management operations. See Managing virtual machines using the Web Console for more information about virtual machine operations.

Cluster

The **Cluster** subtab shows information about virtual machines that are available in the hyperconverged cluster. The **Host** column lets you easily navigate to the appropriate location for managing each virtual machine. The **Action** column shows any operations you can perform from this hyperconverged host.

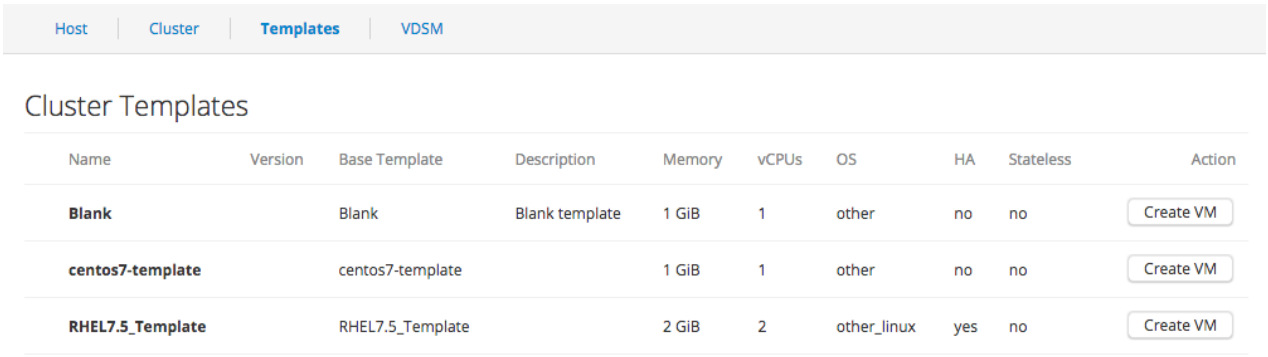
The Cluster subtab



Templates

The **Templates** subtab shows the template images that you can use to create new virtual machines.

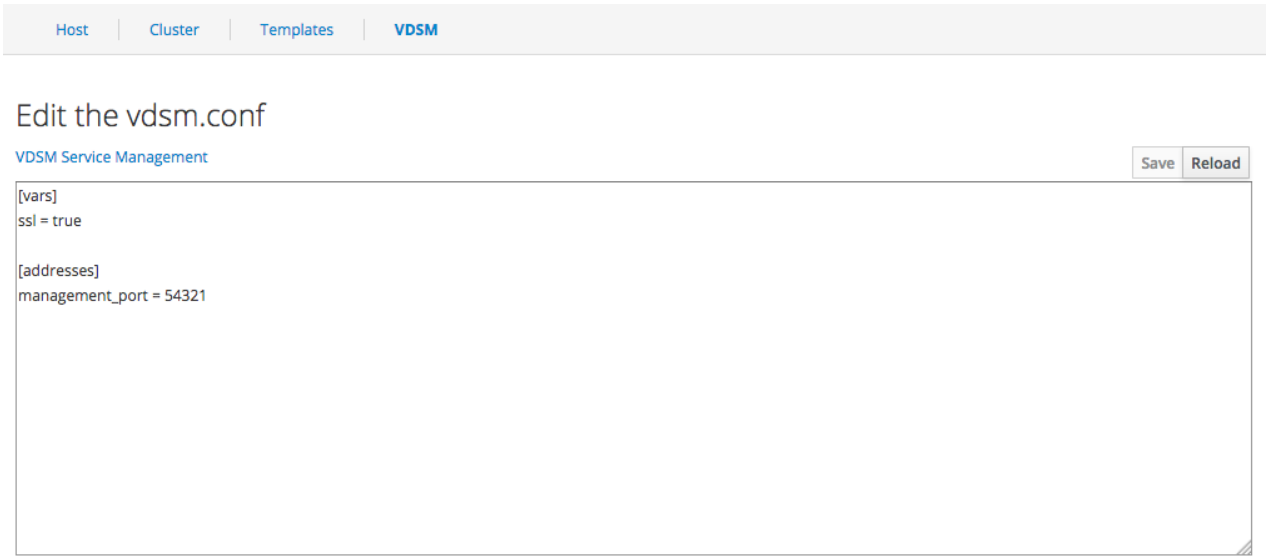
The Templates subtab



VDSM

The **VDSM** subtab shows the current contents of the **vdsm.conf** file and provides an easy way to edit the file's contents. See VDSM and Hooks in the Red Hat Virtualization 4.4 documentation for more information about VDSM.

The VDSM subtab



1.2. UNDERSTANDING THE VIRTUAL MACHINE SUMMARY

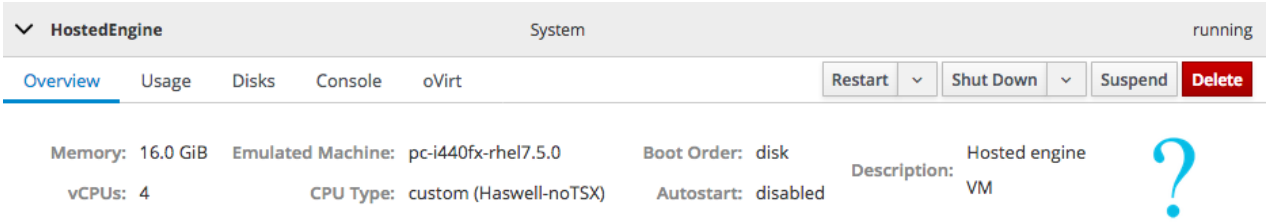
In the Web Console, the **Host** subtab on the **oVirt Machines** tab shows information about virtual machines that are available on this hyperconverged host.

Clicking on each virtual machine shows a summary of that machine, as well as various management operations. The summary is divided into a number of sections that display different types of information and operations.

Overview

This section shows basic information about the virtual machine's compute resources and capabilities.

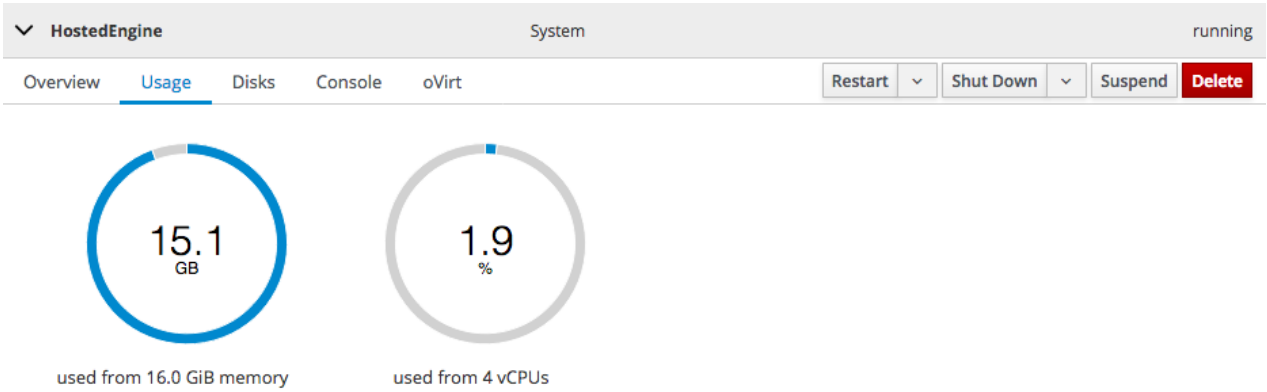
The Overview section of the virtual machine summary



Usage

This section shows the memory and CPU usage of this virtual machine.

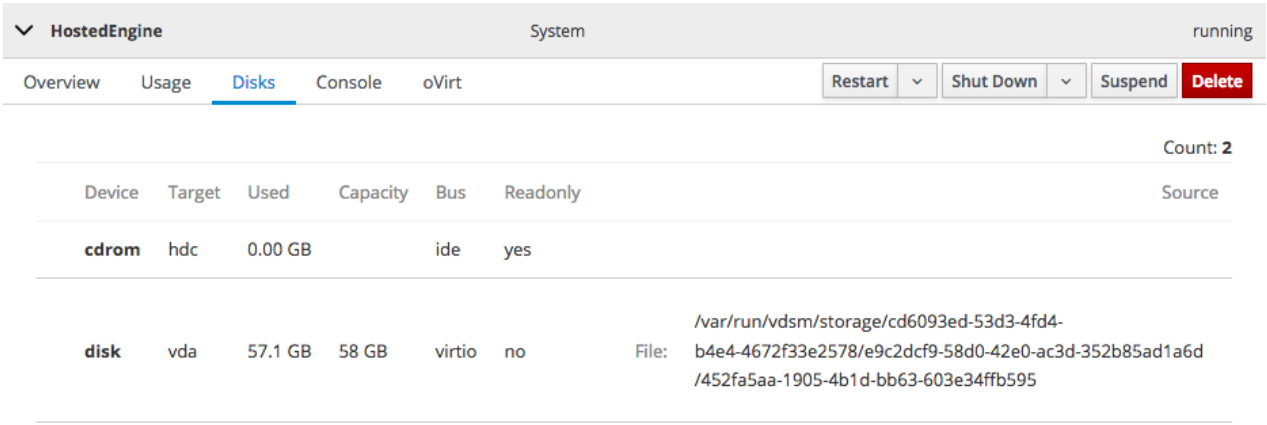
The Usage section of the virtual machine summary



Disks

This section shows details about the storage devices available to this virtual machine.

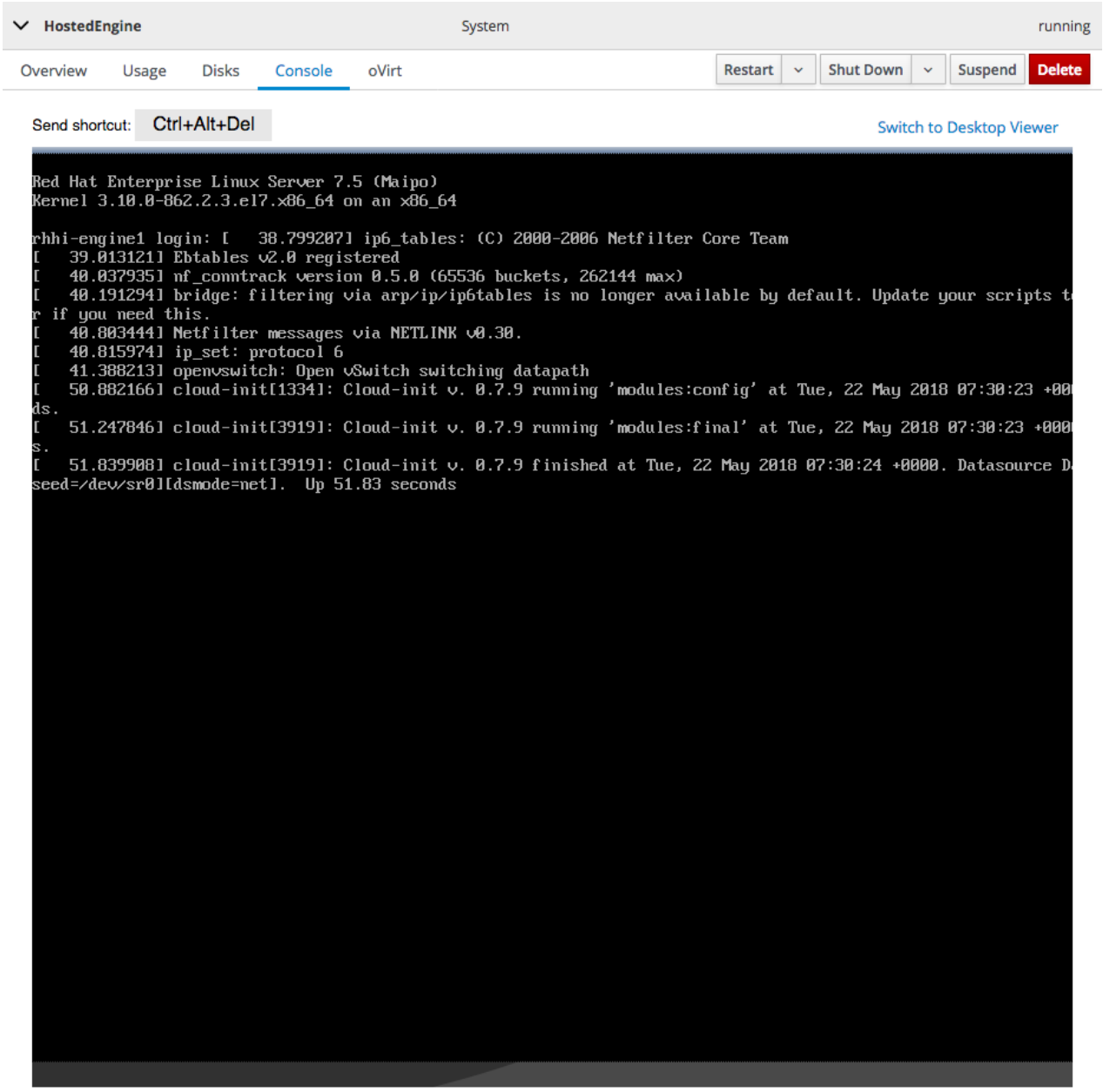
The Disks section of the virtual machine summary



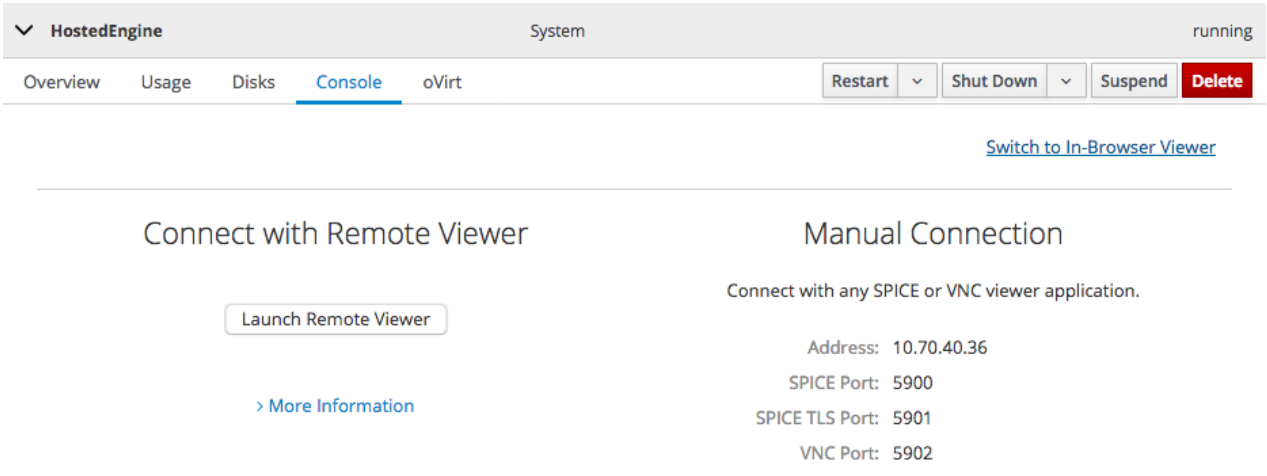
Console

This section shows options for connecting to the console of the virtual machine.

Graphics Console (VNC)



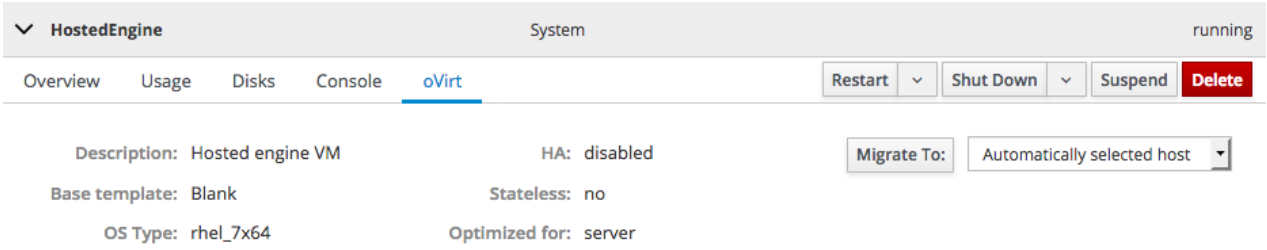
Graphics Console in Desktop Viewer



oVirt

This section shows virtualization related information about the virtual machine and provides a way to migrate the virtual machine to another hyperconverged host. See Migrating a virtual machine to a different hyperconverged host using the Web Console for more details about migrating virtual machines.

The oVirt section of the virtual machine summary



See Managing virtual machines using the Web Console for more information about any of the virtual machine operations mentioned in this section.

CHAPTER 2. MANAGING VIRTUAL MACHINES USING THE WEB CONSOLE

2.1. CREATING A VIRTUAL MACHINE FROM A TEMPLATE USING THE WEB CONSOLE

1. Log in to the Web Console.
2. Click the hostname, then click **oVirt Machines → Template**.
3. Click the **New VM** button beside the template that you want to use.
4. Specify a **Name** for your VM and click **Create**.
   Your new virtual machine is created on one of the hosts in your hyperconverged cluster.

2.2. UPDATING A VIRTUAL MACHINE USING THE WEB CONSOLE

You cannot currently update virtual machines using the Web Console.

See Upgrading Red Hat Hyperconverged Infrastructure for Virtualization for information about updating the Hosted Engine virtual machine using the Administration Portal.

See Updating Virtual Machine Guest Agents and Drivers in the Red Hat Virtualization 4.4 documentation for instructions on updating virtualization related software on a virtual machine using the Administration Portal.

2.3. STARTING A VIRTUAL MACHINE USING THE WEB CONSOLE

1. Log in to the Web Console.
2. Click the hostname, then click **oVirt Machines → Cluster**.
3. Click **Run** beside the virtual machine you want to start.

2.4. PAUSING A VIRTUAL MACHINE USING THE WEB CONSOLE

1. Log in to the Web Console.
2. Click the hostname, then click **oVirt Machines → Host**.
3. Click the virtual machine to pause.
4. Click **Suspend**.

2.5. RESUMING A VIRTUAL MACHINE USING THE WEB CONSOLE

1. Log in to the Web Console.
2. Click the hostname, then click **oVirt Machines → Host**.
3. Click the virtual machine to resume.
4. Click **Resume**.

2.6. DELETING A VIRTUAL MACHINE USING THE WEB CONSOLE

1. Log in to the Web Console.
2. Click the hostname, then click **oVirt Machines → Host**.
3. Click the virtual machine to delete.
4. Click **Shut Down** to shut down the virtual machine before deletion.
5. Click **Delete**.
6. Confirm deletion.

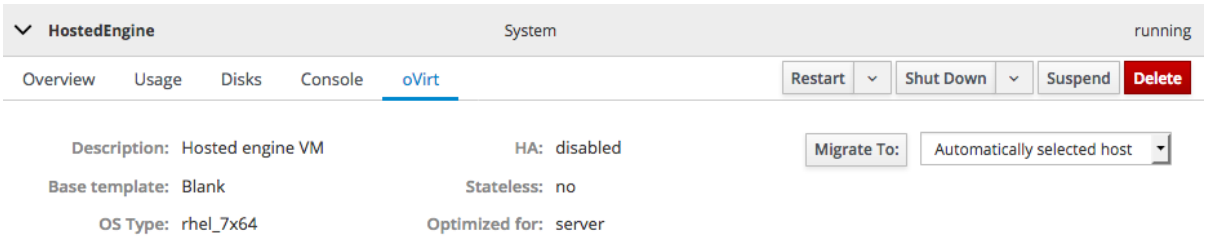
2.7. SHUTTING DOWN A VIRTUAL MACHINE USING THE WEB CONSOLE

1. Log in to the Web Console on the host that is running the virtual machine.
2. Click the hostname, then click **oVirt Machines → Host**.
3. Click on the virtual machine you want to shut down.
4. Click **Shut Down**. This shuts the virtual machine down gracefully.
   If your virtual machine is not responding, click the dropdown arrow beside **Shut Down** and click **Force Shut Down** instead.

2.8. MIGRATING A VIRTUAL MACHINE TO A DIFFERENT HYPERCONVERGED HOST USING THE WEB CONSOLE

1. Log in to the Web Console.
2. Click the hostname, then click **oVirt Machines → Host**.
3. Click the virtual machine to migrate.
4. Click the **oVirt** section.

The oVirt section of the virtual machine summary

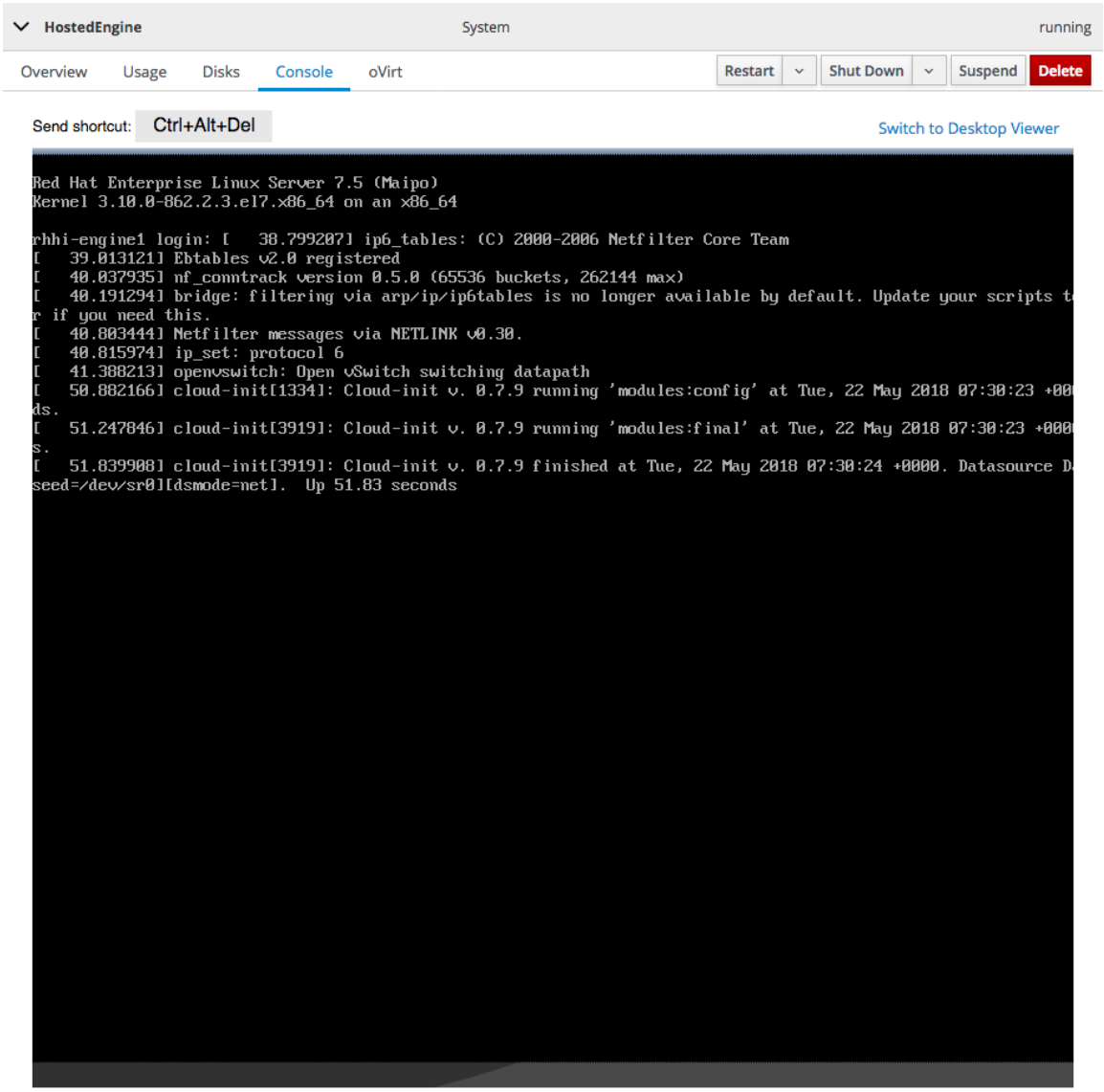


5. Specify a host in the dropdown menu, or use the default value of **Automatically selected host**.
6. Click **Migrate to** and wait for the virtual machine to migrate.
7. Click the **Cluster** subtab and verify that the virtual machine is now running on a different host.

2.9. ACCESSING THE CONSOLE OF A VIRTUAL MACHINE USING THE WEB CONSOLE

1. Log in to the Web Console.
2. Click the hostname, then click **oVirt Machines → Host**.
3. Click the **Console** subtab.
4. Select a **Console Type**.
   a. **For the Hosted Engine virtual machine**
   The default console type for the Hosted Engine virtual machine is **Graphics Console (VNC)**. The console loads after several seconds.

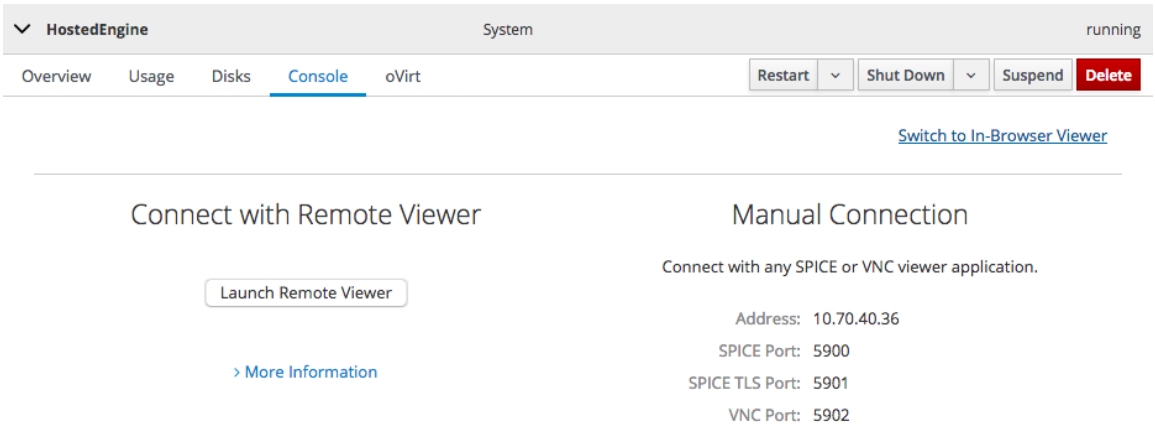
   Graphics Console (VNC)



   Click anywhere in the console and log in to the Hosted Engine virtual machine to perform any administrative operations.

   b. **For any other virtual machine:**

   Graphics Console in Desktop Viewer



On Red Hat Enterprise Linux based systems, click **Launch Remote Viewer** to launch the **Remote Viewer** application.

Otherwise, use the information under **Manual Connection** to connect to the console with your preferred client.