Cisco OverDrive 4.0 Providing VMs Guide

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About This Guide

This preface briefly describes what this guide is about, who it is for, and how to read it.

- Is this guide for me?—It is for people with basic web browser skills and the need to create VMs (virtual machines) for other people to use.
- What is it about?—It explains how to allocate or create VMs, power them up and down, and remove them from a cloud.
- How is it organized?—There is only one chapter.
- What other documentation do I need?—Desciribes other Cisco OverDrive 4.0 documentation.
- Conventions—Explains conventions used in this guide.
- Obtaining Documentation and Submitting a Service Request—Contains information on obtaining documentationand submitting a service request.

Is this guide for me?

This guide is designed for two basic audiences:

- Resellers of OverDrive who want to create and manage VMs for use by end users, within packages of OverDrive clouds.
- Mid-level computer users such as office managers, occasional or junior IT admins, and so on, who want to make VMs available to users in their groups and departments.

What is it about?

This guide explains how to use the OverDrive Cloud Orchestration Manager to create VMs within previously created clouds; how to power the VMs off and on; and how to gather their hostnames and IP addresses to give to end users.

How is it organized?

Chapter 2 is meant to be photocopied or embedded in HTML such as in a wiki, or made available in edited format as appropriate.

What other documentation do I need?

For task-oriented help in managing an OverDrive network, see *Cisco OverDrive 4.0 User Guide*. For end users to create, power up or down, and remove VMs to be used by people in their group, department, or customer base, see Providing VMs.

Introducing Cisco OverDrive 4.0 describes the OverDrive product, its concepts and architecture. This guide provides a common background that all users, installation experts, and network admins are expected to know or be able to reference.

Conventions

This document uses the following conventions:

Item	Convention
Commands and keywords	**boldface** font
Variables for which you supply values	*italic* font
Displayed session and system information	`screen` font
Information you enter	**`boldface screen`** `font`
Variables you enter	*`italic screen`* font
Menu items and button names	**boldface** font

Note Means *reader take note*. Notes contain helpful suggestions or references to material not covered in the publication.

Caution Means *reader be careful*. In this situation, you might do something that could result in equipment damage or loss of data.

Warning **This symbol means danger. You are in a situation that could cause bodily injury.**

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS version 2.0.

CHAPTER 1

Providing VMs for other people

This document explains how to use OverDrive to:

- Add and remove VMs from clouds
- Inform potential users of the IP addresses and hostnames of the VMs

If you have basic web browser skills, you can follow the directions below.

These instructions contain the following sections:

- Starting the Cloud Orchestration Manager—using Firefox or Internet Explorer
- Enabling virtual machines in a cloud—adding, powering on
- Removing virtual machines—powering off and removing

Starting the Cloud Orchestration Manager

Using Firefox or Internet Explorer:

1. Access the orchestration manager via the URL https://HostName:8443/vcom/manager.html:
2. Enter your user name and password, then click Login.

Note If you do not see at least one cloud, you cannot proceed.

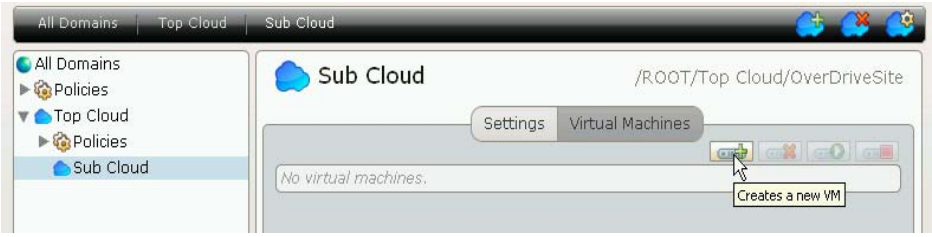
Enabling virtual machines in a cloud

You can create and power up virtual machines as described here.

Adding a virtual machine

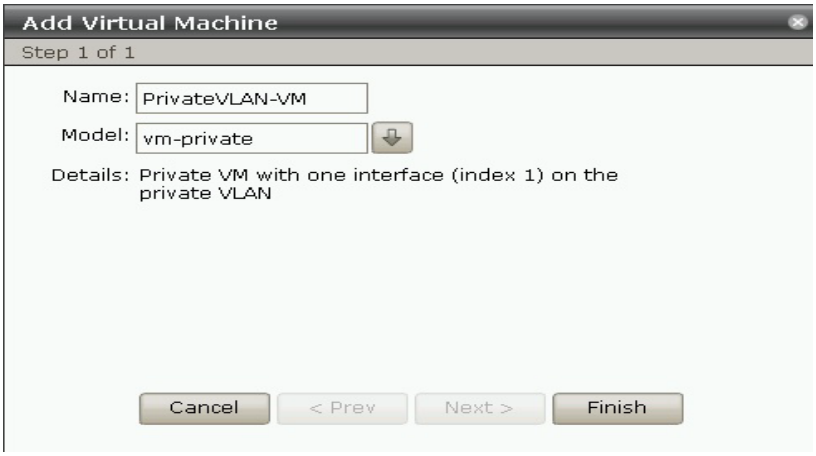
To add virtual machines:

1. Click the virtual machine tab
2. Highlight the appropriate cloud (generally a cloud contained within another cloud) and click the new VM button, for example:



The Add Virtual Machine dialog displays.

3. Specify the hostname and model to use, for example:



Note The model field or drop-down list, and details/description depend on how the clouds and VMs have been configured. The above figure will most certainly be different for you. Knowing which hostname and model to choose is outside the scope of this document.

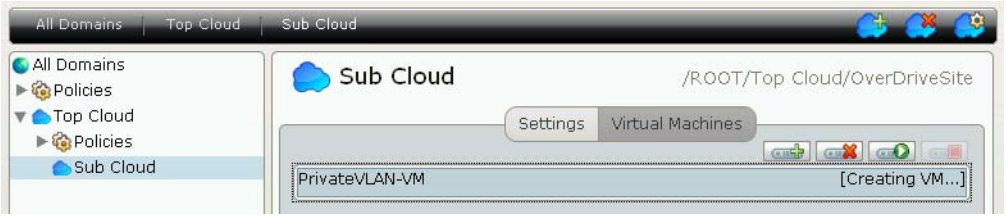
4. Click Next.

   The next dialog asks you to enter details about the VM, for example:

   - Virtual memory—where 1024 MB is the equivalent of 1 GB
   - Disk size—in GB
   - Number of interfaces—generally just 1 or 2, depending on whether it can be accessed both internally and externally from within or without your group

5. Click Finish to create the VM.

Your VM should show up in a panel like the following, in a series of stages as it gets created.



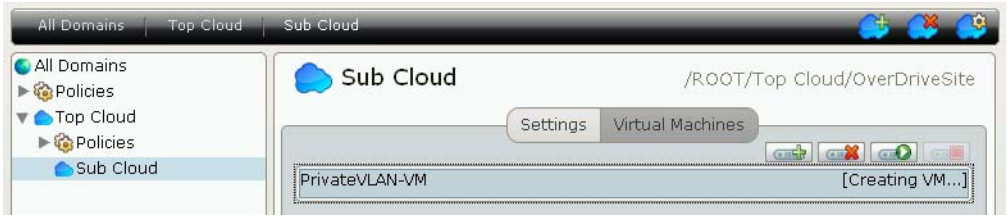
The stages are:

- Creating—the VM is created with the memory, disk, and interfaces
- Configuring interfaces—its ports are told the IP addresses to use
- Powered off—where the VM remains until you power it on
- Powered on—after you power it on

Powering on virtual machines

Use the power-on button to turn on the VM that you have made. For example:

1. Highlight the VM and click the power-on button.
2. Observe that the VM powers on, with one or two IP addresses, depending on how many interfaces you specified:



3. At this point, you can tell other people in your group or department which IP addresses and/or hostnames to use for the VMs that you have created.

Note You also need to provide directions for them to access the VMs.

Removing virtual machines

To remove a VM when it is no longer needed:

1. Make sure it is not in use.
2. Highlight the VM and turn if off using the power-off button.
3. Use the remove VM button.