Overview

This chapter contains the following sections:

Licensing Requirements

For a complete explanation of Cisco NX-OS licensing recommendations and how to obtain and apply licenses, see the *Cisco NX-OS Licensing Guide* and the *Cisco NX-OS Licensing Options Guide*.

Supported Platforms

Starting with Cisco NX-OS release 7.0(3)I7(1), use the Nexus Switch Platform Support Matrix to know from which Cisco NX-OS releases various Cisco Nexus 9000 and 3000 switches support a selected feature.

Information About Virtual Machine Tracker

Virtual Machine Tracker (VM Tracker) works together with VMware vCenter and enables you to do the following:

- Identify the Cisco Nexus 9000 Series port that is used for each VM

- Identify the VLAN requirements of each VM

- Track the movement of VMs from one host (ESXi) to another

- Track VM configuration changes such as additions, deletions, or modifications of VLANs, and configure VLANs on Cisco Nexus 9000 Series ports accordingly

- Track the additions or deletions of VMs and hosts, and configure VLANs on Cisco Nexus 9000 Series ports accordingly

- Track the state of VMs and dynamically provisions VLANs on the Cisco Nexus 9000 server facing physical ports.

Virtual Machine Tracker and VMware vCenter

VM Tracker synchronizes with VMware vCenter to retrieve the following information:

- The host on which the VMs exist.

- The Cisco Nexus 9000 Series ports through which the VM traffic flows.

- The virtual network interface card (vNIC) that connects the VM to a virtual switch.

- The power state of the VM.

- The VLAN information of port groups or distributed virtual switch (DVS) port groups.

- The port groups or DVS port groups that are required for the VM.