Overview

This chapter contains the following topics:

About Cisco IMC Supervisor

Cisco IMC Supervisor is a management system that allows you to manage rack mount servers on a large scale. It allows you to create groups of rack mount servers for monitoring and inventory purposes.

You can use Cisco IMC Supervisor to perform the following tasks for a rack mount server:

- Support for logical grouping of servers and summary views per group
- Collect inventory for the servers
- Provide monitoring capabilities for servers and groups
- Firmware management including firmware download, upgrade, and activation
- Manage standalone server actions including power control, LED control, log collection, KVM launch, CIMC UI launch and e-mail alerts
- Role Based Access Control (RBAC) to restrict access
- Email alerts
- Configure server properties using Policies and Profiles

About Cisco IMC Supervisor for Hyper-V

Support for deploying Cisco IMC Supervisor in a Hyper-V environment has been introduced in release 1.1.0.1.

Note We recommend deploying Cisco IMC Supervisor on the Hyper-V Manager host, rather than the SCVMM console.

Prerequisites

- Installation of Hyper-V Manager
- Configured system administrator privileges
- Cisco IMC Supervisor installed on Hyper-V host

Minimum System Requirements

Supported Hypervisor versions

- Windows 2008 R2 with Hyper-V Manager version 6.1.7
- Windows 2012 R2 with Hyper-V Manager version 6.3.9

Supported Server Models

- UCS C-220 M3 and M4
- UCS C-240 M3 and M4
- UCS C-460 M4
- UCS C-22 M3
- UCS C-24 M3
- UCS C-420 M3
- UCS C3160
- UCS EN120E M2
- UCS EN120S M2
- UCS E-140S M2
- UCS E-160D M2
- UCS E-180D M2
- UCS E-140S M1

- UCS E-140D M1

- UCS E-160D M1

- UCS E-140DP M1

- UCS E-160DP M1

Cisco IMC Supervisor supports up to 1000 UCS C-Series and E-Series servers.

Minimum Firmware Versions

Servers	Minimum Firmware Version
UCS C-series Servers	1.5(4)
UCS E-series Servers	2.3.1

Supported PCiE Cards

- Cisco UCS VIC 1225

- Cisco UCS VIC 1225T

- Cisco UCS VIC 1227

- Cisco UCS VIC 1227T

- Cisco UCS VIC 1385

Minimum Hardware Requirements

The Cisco IMC Supervisor environment must meet at least the minimum system requirements listed in the following table.

Element	Minimum Supported Requirement
vCPU	4
Memory	8 GB
Hard Disk	100 GB

Supported Firewall Ports

The list of applicable services and ports are listed in the following table.

Service	Port Number
Servers	Minimum Firmware Version

Service	Port Number
SSH Port	22
HTTP (S)	80/443
DHCP	UDP 67 & 68
Active Directory	TCP / UDP 389/636 & TCP 3268/3269
DNS	TCP/UDP 53
NTP	TCP/UDP 123
MySQL	3306
Cisco IMC Supervisor ↔ IMC Connectivity	UDP 80/443

Note If these ports and protocols are blocked by a firewall, you may experience timeouts or internal error when you are upgrading Cisco IMC Supervisor.

About Licenses

Cisco IMC Supervisor requires you to have the following valid licenses:

- A Cisco IMC Supervisor base license.

- A Cisco IMC Supervisor bulk endpoint enablement license that you install after the Cisco IMC Supervisor base license.

- A Cisco IMC Supervisor advanced license. You can add, edit, and delete policies and profiles with the base license but you cannot apply a policy or a profile to a server without the advanced license. An error occurs if this license is unavailable when you apply a policy.

- A default embedded Cisco IMC Supervisor evaluation license. The evaluation license is generated automatically when the end user installs Cisco IMC Supervisor and all the services start for the first time. It is applicable for 50 servers.

Important If you are using an evaluation license for Cisco IMC Supervisor, note that when this license expires (60 days from the date the license is generated), retrieving inventory and system health information, such as faults, will not work. You will not be able to refresh system data, or even add new accounts. At that point, you must install a perpetual license to use all features of Cisco IMC Supervisor.

The process for obtaining and installing the licenses is the same.

You must obtain a license to use Cisco IMC Supervisor, as follows:

1 Before you install Cisco IMC Supervisor, generate the Cisco IMC Supervisor license key and claim a certificate (Product Access Key).

2 Register the Product Access Key (PAK) on the Cisco software license site, as described in Fulfilling the Product Access Key, on page 5.

3 After you install Cisco IMC Supervisor, update the license in Cisco IMC Supervisor as described in Updating the License.

4 After the license has been validated, you can start to use Cisco IMC Supervisor.

Fulfilling the Product Access Key

Before You Begin

You need the PAK number.

Procedure

Step 1 Navigate to the Cisco Software License website.

Step 2 If you are directed to the Product License Registration page, you can take the training or click **Continue to Product License Registration**.

Step 3 On the Product License Registration page, click **Get New Licenses from a PAK or Token**.

Step 4 In the **Enter a Single PAK or TOKEN to Fulfill** field, enter the PAK number.

Step 5 Click **Fulfill Single PAK/TOKEN**.

Step 6 Complete the additional fields in **License Information** to register your PAK:

Field	Description
Organization Name	The organization name.
Site Contact Name	The site contact name.
Street Address	The street address of the organization.
City/Town	The city or town.
State/Province	The state or province.
Zip/Postal Code	The zip code or postal code.
Country	The country name.

Step 7 Click **Issue Key**.
The features for your license appear, and an email with the Digital License Agreement and a zipped license file is sent to the email address you provided.