



# Getting Started with Cisco Intersight Managed Mode Transition Tool

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## Prerequisites

This section covers the minimum requirements for installing Cisco Intersight Managed Mode Transition Tool:

- Supported version of Cisco UCS Manager: 3.2(1d) or above.
- Supported version of Cisco UCS Central: 2.0(1a) or above.
- Supported ESX version - ESXi 6.0 and above.
- Minimum VM requirement - 2 vCPUs, 8 GB RAM, 100 GB storage.
- Virtual Hardware Version used by the OVA - 11
- Network Connectivity Requirements:
  - TCP Port 443(HTTPS) (from IMM Transition Tool, Release 1.0.2 onwards)
  - TCP Port 22 (SSH) for troubleshooting or advanced configuration.
  - Access to the following is required:
    - DNS (using TCP/UDP Port 53)
    - NTP (using UDP Port 123)
    - UCS Manager/UCS Central devices (using TCP Port 443 [HTTPS] only)
    - Intersight devices (using TCP Port 443 [HTTPS] only)
    - Connection to the proxy server settings (if any)
- Pushing Config to Intersight requires HTTPS connectivity to the Intersight instance.

- For SaaS, the URL is <https://www.intersight.com>
- For Appliance, the URL is provided by the user.

## Installing Cisco Intersight Managed Mode Transition Tool

An Open Virtual Appliance (OVA) is a prebuilt software solution that comprises one or more virtual machines (VMs) that are packaged, maintained, updated, and managed as a single unit. The Cisco Intersight Managed Mode Transition Tool OVA has a preinstalled operating system and includes application functionality that is necessary for the IMM Transition Tool functionality. The IMM Transition Tool as an OVA can be deployed on a VMWare Vsphere infrastructure.



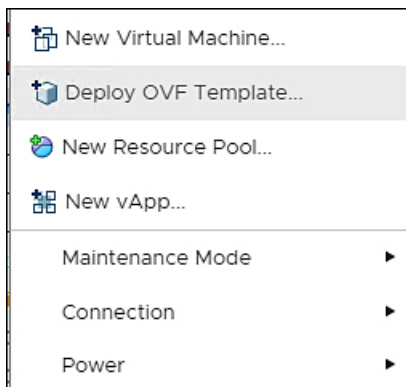
**Note** From IMM Transition Tool, 3.1.1 onwards, you can take a backup of the tool data and restore it on the same or another instance of the IMM Transition Tool. For more details, see [Appendix E: Backup/Restore](#).

### Before you begin

- From the [UCS Tools](#) page, download the IMM Transition Tool .ova file to your computer in a place that is easy to find when you start to deploy the OVF template.

**Step 1** Log into the HTML5 vSphere Web Client and go to the **VMs** tab.

**Step 2** Add the **Deploy OVF Template** action button via the *Actions* dropdown list.



**Step 3** Click the added **Deploy OVF Template** button.

A new window appears, asking to select a template.

## Deploy OVF Template

- Select an OVF template**
- Select a name and folder
- Select a compute resource
- Review details
- Select storage
- Ready to complete

Select an OVF template  
Select an OVF template from remote URL or local file system

Enter a URL to download and install the OVF package from the Internet, or browse to a location accessible from your computer, such as a local hard drive, a network share, or a CD/DVD drive.

URL

http | https://remote-server-address/file-to-deploy.ovf | .ova

Local file

IMM-Migration.ova

- Step 4** Click **Choose Files**, select the downloaded OVA file.
- Step 5** Click **Next**.
- Step 6** Select the location where you want to deploy the virtual appliance, click **Next**.
- Step 7** Select the resource you want to use to run the virtual appliance, click **Next**.

## Deploy OVF Template

- ✓ 1 Select an OVF template
- ✓ 2 Select a name and folder
- 3 Select a compute resource**
- 4 Review details
- 5 Select storage
- 6 Ready to complete

Select a compute resource  
Select the destination compute resource for this operation

Server [REDACTED]

- > [REDACTED]
- > [REDACTED]
- > [REDACTED]
- > [REDACTED] **TO**
- > [REDACTED]
- > [REDACTED]
- > [REDACTED]
- > [REDACTED]
- > [REDACTED]

Compatibility

✓ Compatibility checks succeeded.

CANCEL BACK NEXT

Review the package details, that contain advanced configuration options.

## Deploy OVF Template

- ✓ 1 Select an OVF template
- ✓ 2 Select a name and folder
- ✓ 3 Select a compute resource
- 4 Review details**
- 5 Select storage
- 6 Select networks
- 7 Customize template
- 8 Ready to complete

**Review details**  
Verify the template details.

Publisher	No certificate present
Download size	2.1 GB
Size on disk	5.2 GB (thin provisioned)
	100.0 GB (thick provisioned)

[CANCEL](#) [BACK](#) [NEXT](#)

**Step 8** Click **Next** to accept these options.

**Step 9** Select the desired storage location from the list of datastores, click **Next**.

## Deploy OVF Template

- ✓ 1 Select an OVF template
- ✓ 2 Select a name and folder
- ✓ 3 Select a compute resource
- ✓ 4 Review details
- 5 Select storage**
- 6 Select networks
- 7 Customize template
- 8 Ready to complete

Select storage  
Select the datastore in which to store the configuration and disk files

Encrypt this virtual machine (Requires Key Management Server)

Select virtual disk format: Thick Provision Lazy Zeroed ▾

VM Storage Policy: Datastore Default ▾

Name	Capacity	Provisioned	Free	Type
[REDACTED]	92.5 GB	973 MB	91.55 GB	VM
[REDACTED]	1.5 TB	1 TB	509.62 GB	VM
[REDACTED]	1.5 TB	1.28 TB	264.34 GB	VM

Compatibility

✓ Compatibility checks succeeded.

CANCEL
BACK
NEXT

**Step 10** Select a destination network from the dropdown list for each source network, click **Next**.

### Deploy OVF Template

- ✓ 1 Select an OVF template
- ✓ 2 Select a name and folder
- ✓ 3 Select a compute resource
- ✓ 4 Review details
- ✓ 5 Select storage
- ✓ 6 Select networks**
- 7 Customize template
- 8 Ready to complete

**Select networks**  
Select a destination network for each source network.

Source Network	Destination Network
VM Network	VM Network

1 items

**IP Allocation Settings**

IP allocation: Static - Manual

IP protocol: IPv4

CANCEL BACK NEXT

**Step 11** Customize the deployment properties by entering the **Network** settings values and setting up the **System Password**.

**Deploy OVF Template**

- ✓ 1 Select an OVF template
- ✓ 2 Select a name and folder
- ✓ 3 Select a compute resource
- ✓ 4 Review details
- ✓ 5 Select storage
- ✓ 6 Select networks
- 7 Customize template**
- 8 Ready to complete

Section	Settings
Network	6 settings
Public Network Type	STATIC
Public Network IP	
Public Network Netmask	
Public Network Gateway	
DNS	Enter a valid DNS IP for the Static network and enter a random IP for DHCP. The DNS field value is only considered if the Network Type is Static.
NTP	
Root Credential	1 settings
System Password	Please provide the password for the admin user. Use the same to login to the tool.
Password	
Confirm Password	

CANCEL BACK NEXT

An auto-generated default password is used as a replacement for any existing password in UCS Manager/UCS Central policies such as Virtual Media, iSCSI Boot that are converted. Similarly, another auto-generated password is used for Mutual CHAP Authentication in iSCSI Boot Policy.

**Note** You should change the password for the converted policies after those are pushed to Intersight.

**Step 12** Click **Next**.

Review the configuration data.

**Step 13** Click the **Refresh** button to update the system.  
The VM will be visible in the center windowpane.

**Step 14** Select the VM and click **Power On**.

**Step 15** Once the VM is powered on, click the **Open Console** icon to open the VM console in a new window.

You have successfully deployed the OVA template and powered on the VM.

## Upgrading Cisco Intersight Managed Mode Tool

Perform the following steps to upgrade the tool from 3.0.1 or 3.0.2 to any of the higher version using CLI :

1. Take a SNAPSHOT of the VM before starting the upgrade.
2. Copy (SCP) the downloaded tar file of the higher version to the lower version VM.
3. Execute the below command:



```
sudo imm_upgrade -p <downloaded_tar_file>
```

This will take few minutes to complete.

The file validation and the upgrade process will get started as shown below:

INFO: File format validation success

INFO: Version validation success

INFO: MD5 hash validation success

INFO: Upgrading...

INFO: Upgrade Success. Restarting server

INFO: Server Restarted



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**Note** It is recommended to roll back to the last snapshot of the VM in case of failure of the upgrade.

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## Accessing Cisco Intersight Managed Mode Transition Tool using the Graphical User Interface

You can access the user interface of the Cisco IMM Transition Tool through browser window, to generate transition readiness report, and convert UCS domain into IMM configuration.

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**Step 1** Launch a Web browser window.

**Step 2** Enter `http://<VM IP address>` or `https://<VM IP address>`. VM IP address is the IP address of the VM where you have deployed Cisco IMM Transition Tool OVA.

IMM Transition Tool, Release 1.0.2 and above, provides HTTPS support. All the `http` URLs get redirected to `https`.

**Step 3** In the Login dialog box, enter the user name and password.

User name: admin

Password: Enter the password set on the **Customize template** page during installation.

**Step 4** Click **Sign In**.

To end the user session, click **Log Out** from the user settings in the top-right corner.

**Note** **Session Timeout**—In IMM Transition Tool, Release 1.0.2 onwards, if you remain inactive for 30 min, you are automatically logged out of the session. You have to relogin to use the application again.

