



## Deploying Applications

V2PC uses wizard-based configuration to facilitate deployment of node applications. This chapter provides information on creating application types and configuring application instances – the two main steps needed to deploy applications in V2PC.

To create applications, the required application bundle must first be installed on the V2PC repository server. For example, to add an application manager (AM), capture engine (CE), or playback engine (PE), or SCE, the Virtual Media Packager (VMP) bundle must be installed on the repository server as described in **Install the VMP Bundle** in the *Cisco Virtualized Video Processing Deployment Guide*.



### Note

Similar requirements exist for other applications in the Cisco V2P product family, such as Virtual Digital Content Manager (vDCM), Virtual Media Recorder (VMR), and Cloud Object Storage (COS). Refer to the customer documentation for these applications for details as needed.

## Creating Application Types

To create a new application type in V2PC:

- Step 1** From the navigation menu, choose **Application Deployment Manager > Application Types**. The Application Types page opens and displays a list of application types.

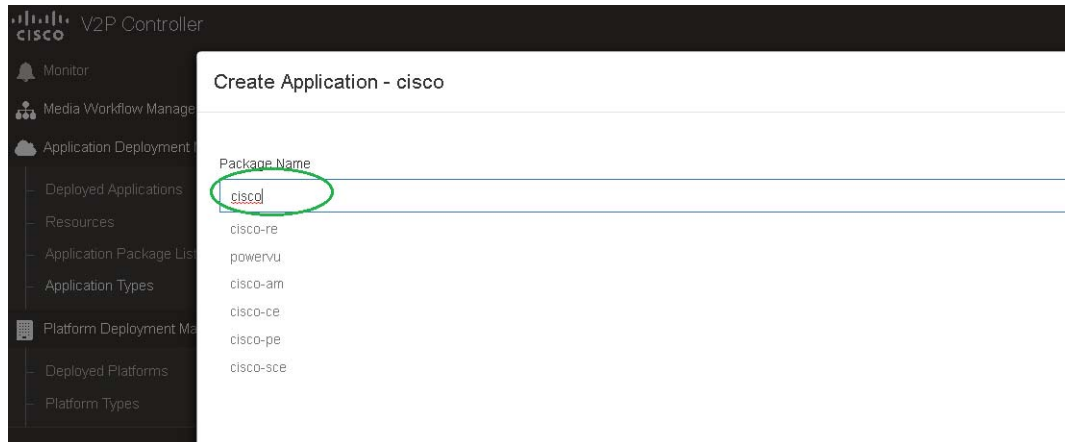
**Figure 5-1** Application Types Page

Package Name	Description
<input type="checkbox"/> cisco-am	
<input type="checkbox"/> cisco-ce	
<input type="checkbox"/> cisco-pe	
<input type="checkbox"/> sampleaic	

Showing 1 to 4 of 4 entries, 10 per page

**Step 2** Click **Add (+)** and choose an application from the **Package Name** drop-down list.

**Figure 5-2** *Package Name Drop-Down List*



**Step 3** Click **Save**.

## Configuring Application Instances

The life cycle of an application in V2PC includes four phases:

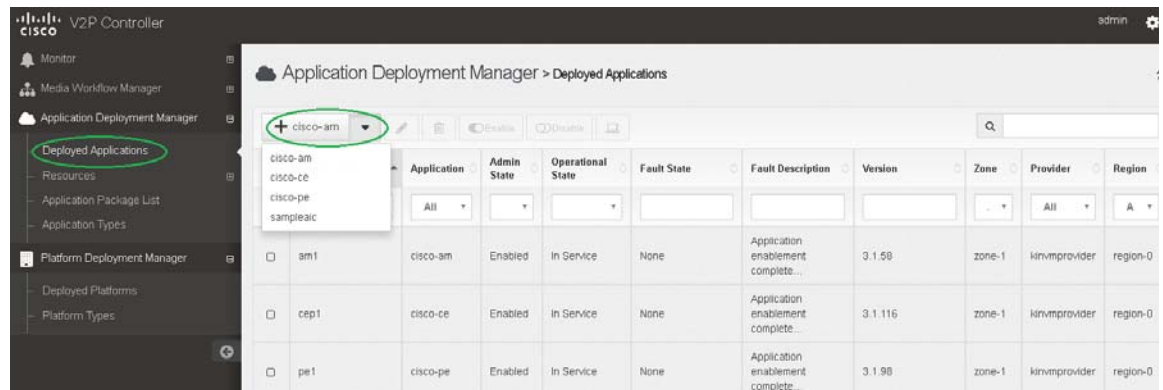
- Creating the application instance
- Enabling the application instance
- Disabling the application instance
- Deleting the application instance

### Creating an Application Instance

To create a new application instance in V2PC:

**Step 1** From the navigation menu, choose **Application Deployment Manager > Deployed Applications**. The Deployed Applications page opens.

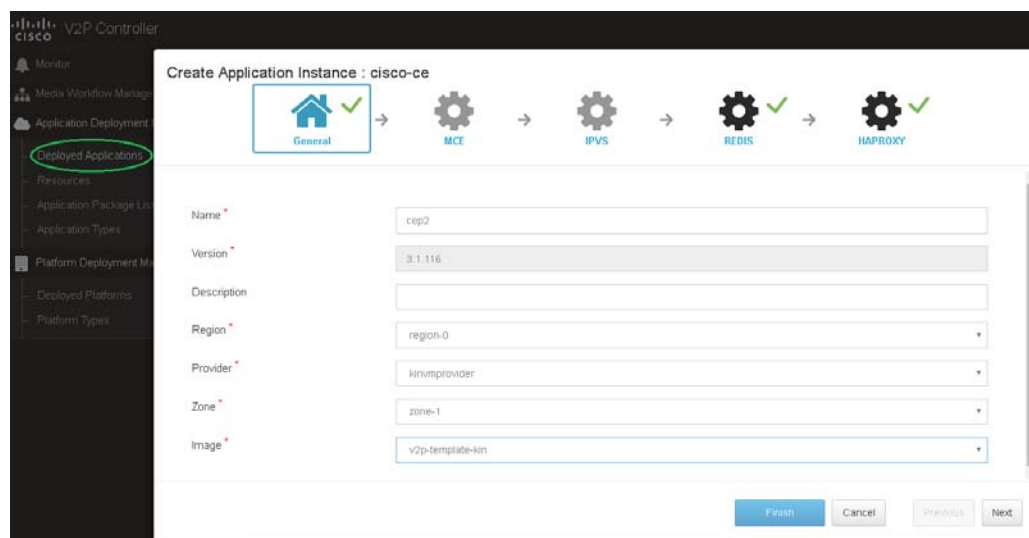
**Figure 5-3** *Deployed Applications Page*



**Step 2** Choose an application type from the drop-down list.

**Step 3** Click **Add (+)**. The Create Application Instance dialog opens.

**Figure 5-4** Create Application Instance Dialog



**Step 4** Configure the **Region**, **Provider**, **Zones**, and **Image** template for the deployment.

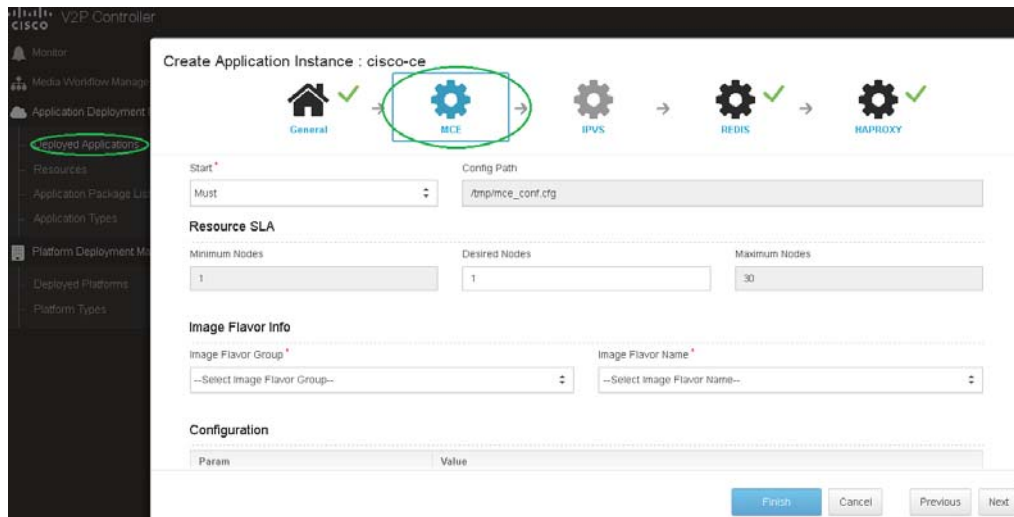


**Note**

Checks beside the icons at the top of the dialog indicate that the configuration now satisfies the attributes required for particular roles.

**Step 5** Click the **Configure (gear)** icon for each role (for example, MCE) to navigate to the configuration dialog for that role. You can also use the **Previous** and **Next** buttons to navigate between dialogs.

**Figure 5-5** Role Configuration Dialog



**Step 6** Confirm that the configuration icon for each role has a check indicating that its attributes are fully configured.

**Step 7** Click **Finish** to save the configuration.

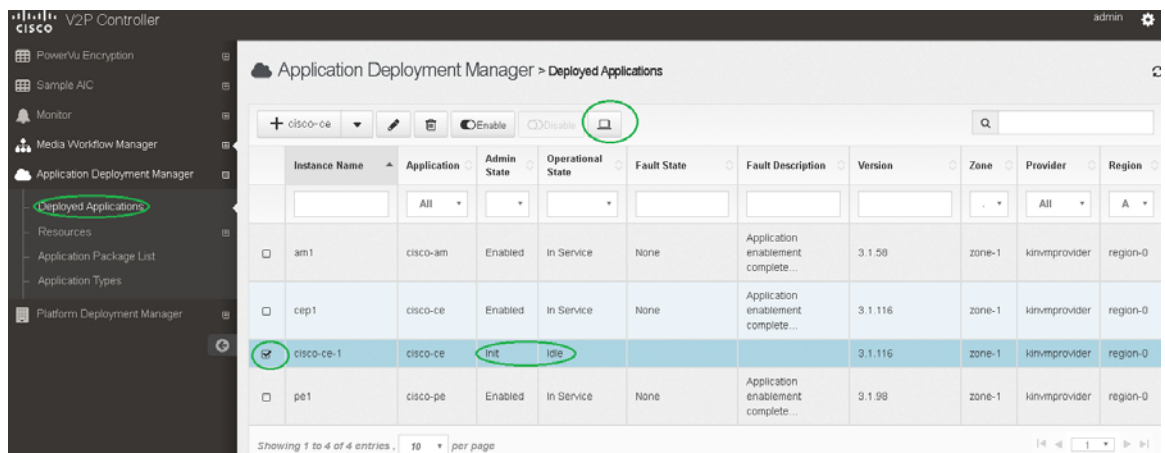
## Enabling an Application Instance

To enable an application instance:

**Step 1** From the navigation menu, choose **Application Deployment Manager > Deployed Applications**. The Deployed Applications page opens and displays a list of applications.

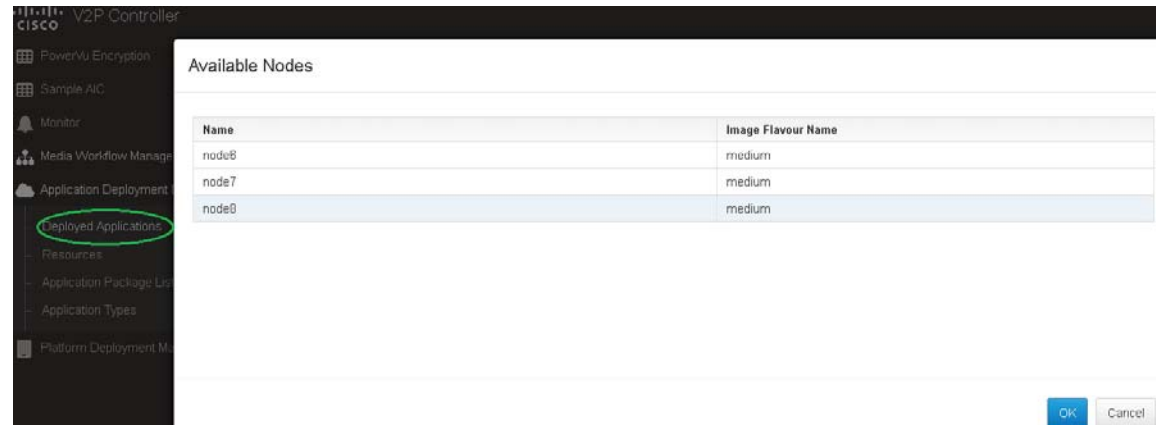
**Step 2** Place a check beside the application to be enabled to select it.

**Figure 5-6** Deployed Applications Page, Show Assets Icon



**Step 3** Click **Show Assets** to view the assets for the application and confirm that it has the required number of idle nodes available in the zones configured in the application.

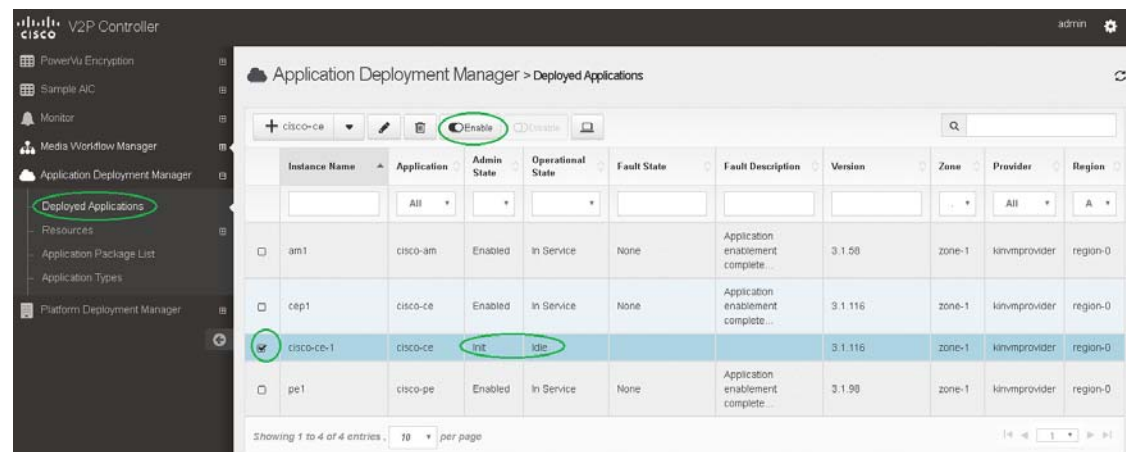
Figure 5-7 Available Nodes Listing



**Step 4** Is the available node count at least equal to the Minimum Nodes required?

- If **yes**, click **Enable** to enable the application.
- If **no**, navigate to **Application Deployment Manager > Resources > Provider**, create the required number of additional nodes under that zone, then return to the Deployed Applications page and click **Enable** to enable the application.

Figure 5-8 Deployed Applications Page, Application In Service



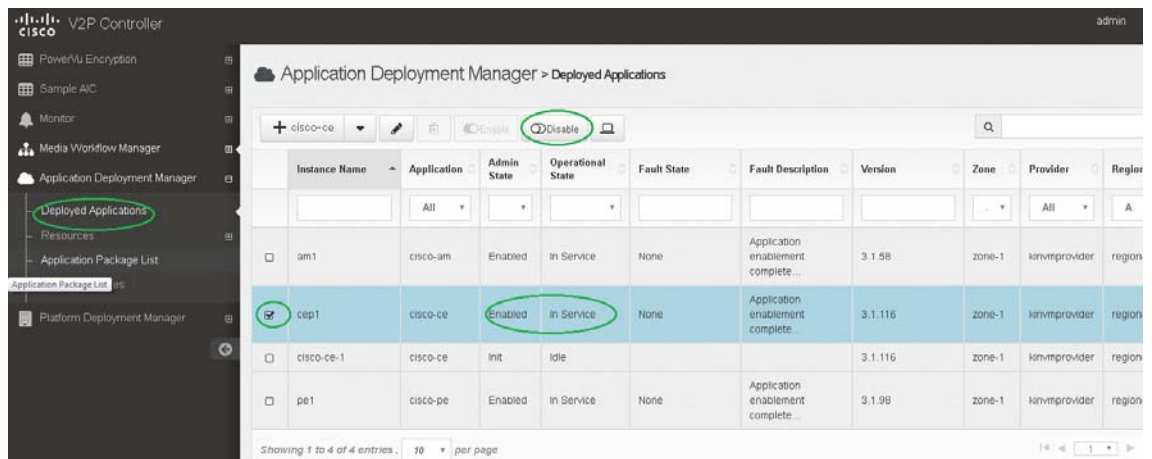
**Step 5** Confirm that the state of the application changes from Idle to **In Service**.

## Disabling an Application Instance

To disable an enabled application instance:

- Step 1** From the navigation menu, choose **Application Deployment Manager > Deployed Applications**. The Deployed Applications page opens and displays a list of applications.
- Step 2** Place a check beside the application to be disabled to select it, and then click **Disable** to disable it.

**Figure 5-9** Deployed Applications Page, Disable Button

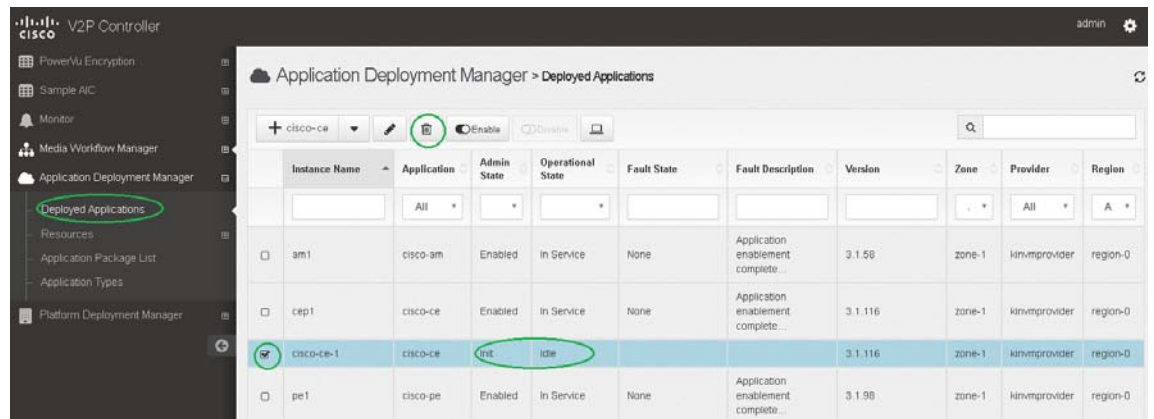


## Deleting an Application Instance

To delete an application instance:

- Step 1** From the navigation menu, choose **Application Deployment Manager > Deployed Applications**. The Deployed Applications page opens and displays a list of applications.
- Step 2** Place a check beside the application to be deleted to select it, and then click **Delete (trash can)**.

**Figure 5-10** Deployed Applications Page, Delete Icon



Application Deployment Manager > Deployed Applications

Instance Name	Application	Admin State	Operational State	Fault State	Fault Description	Version	Zone	Provider	Region
am1	cisco-am	Enabled	In Service	None	Application enablement complete...	3.1.50	zone-1	krvmprovider	region-0
cep1	cisco-ce	Enabled	In Service	None	Application enablement complete...	3.1.116	zone-1	krvmprovider	region-0
cisco-ce-1	cisco-ce	Init	Idle			3.1.116	zone-1	krvmprovider	region-0
pe1	cisco-pe	Enabled	In Service	None	Application enablement complete...	3.1.90	zone-1	krvmprovider	region-0

**Note**

Deleted applications are removed from the Deployed Applications table.

