

# Using App Launchpad as a Tenant User

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VMware Cloud Director App Launchpad 2.0

You can find the most up-to-date technical documentation on the VMware website at:

<https://docs.vmware.com/>

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# What Is App Launchpad

1

VMware Cloud Director<sup>®</sup> App Launchpad™ is a plug-in for VMware Cloud Director™ that provides catalogs of deployment-ready applications for developers and DevOps engineers.

By using App Launchpad, you can deploy a full stack of applications to VMware Cloud Director without the need to manage the underlying infrastructure.

Starting with App Launchpad 2.0, tenant users can deploy preconfigured container applications to a Kubernetes cluster. When you deploy container applications, App Launchpad exposes the configuration files, so tenants can fine-tune the advanced settings of their container applications.

The user interface of App Launchpad is integrated within the VMware Cloud Director tenant portal.

# Getting Started with App Launchpad

## 2

To run applications with a single click, first access the App Launchpad tenant portal, then review the available applications, and deploy the application you want to use.

This chapter includes the following topics:

- [Access the App Launchpad Tenant Portal](#)
- [Review the Available Applications](#)
- [Review the Details About an Application](#)
- [Launch a Container Application](#)
- [Launch an Application](#)

## Access the App Launchpad Tenant Portal

You access the App Launchpad tenant portal by using the VMware Cloud Director tenant portal.

### Prerequisites


To access the App Launchpad tenant portal, your VMware Cloud Director **system administrator** must install and configure App Launchpad.

### Procedure

- 1 In a Web browser, navigate to the VMware Cloud Director tenant portal URL of your organization.

For example, `https://vcloud.example.com/tenant/myOrg`.

- 2 Enter your user name and password, and click **Log In**.

- 3 From the main menu () , select **App Launchpad**.


### Results

The App Launchpad tenant portal opens.

## Review the Available Applications

You can review the applications that a VMware Cloud Director **system administrator** has published to your organization.

### Procedure


- 1 Log in to the VMware Cloud Director tenant portal.
- 2 From the main menu () , select **App Launchpad**.
- 3 If you are looking for a particular application, use the built-in search engine.
- 4 (Optional) To review the full list of featured applications for your organization, in the **Featured Applications** section, click **Show All**.
- 5 To review the full list of applications that are available for a deployment in your organization, look into the **All Applications** section.

## Review the Details About an Application

In the App Launchpad tenant portal, you can review technical details and the available versions for the applications that the **system administrator** has published to your organization.

You can only review the details of Bitnami applications.

### Procedure

- 1 Log in to the VMware Cloud Director tenant portal.
- 2 From the main menu () , select **App Launchpad**.
- 3 To find the application that you want to review, use the built-in search engine and click **Details**.  
You can also use the **Featured Applications** and **All Applications** lists to browse through the list of applications.

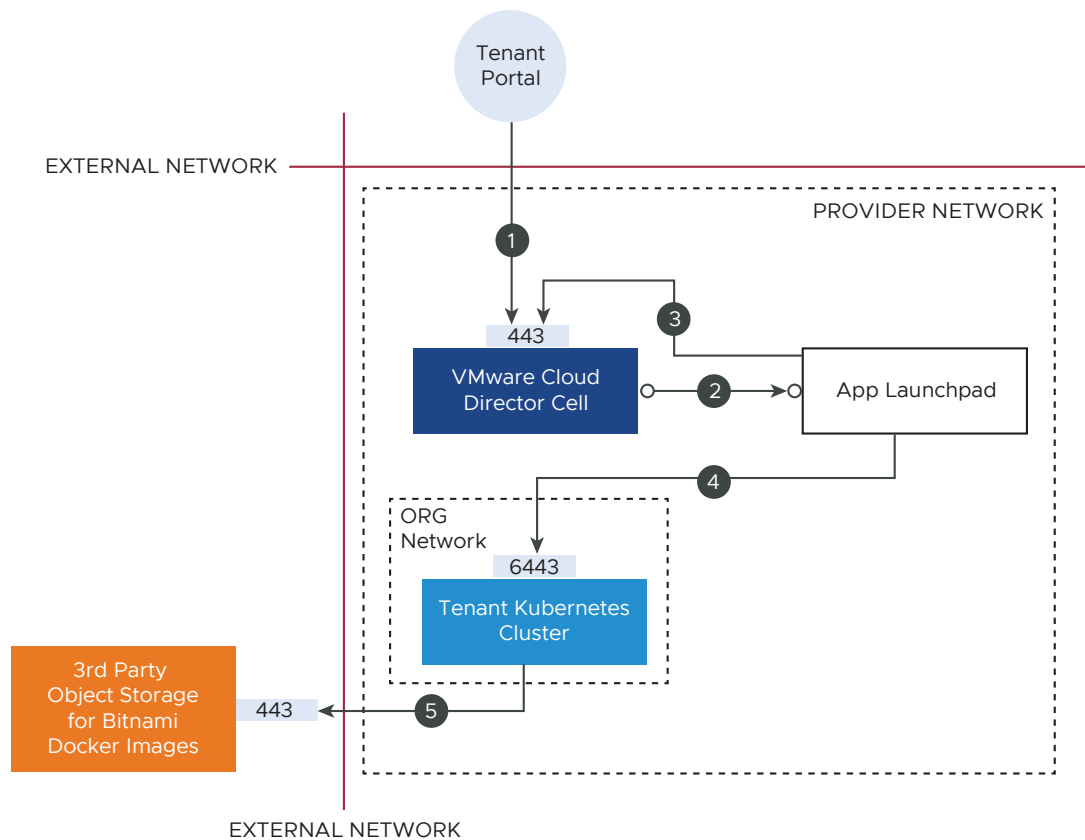
### Results

The details of the selected application display.

## Launch a Container Application

Starting with App Launchpad, you can deploy container applications to a Kubernetes cluster.

The following diagram illustrates the workflow of launching container applications with App Launchpad.




#### Legend

- 1 A tenant user launches a container application.
- 2 VMware Cloud Director dispatches the request to App Launchpad through the API extension.
- 3 App Launchpad loads the Helm Chart definition from VMware Cloud Director.
- 4 App Launchpad releases a new Helm Chart to the tenant Kubernetes cluster.
- 5 The Kubernetes cluster pulls and instantiates the docker image from the 3rd party object storage.

## Prerequisites

- Verify that you have the **vApp User** role or an equivalent set of rights assigned to your VMware Cloud Director instance. For more information, see [Predefined Roles and Their Rights](#).
- Verify that App Launchpad can reach the tenant Kubernetes cluster. If the Kubernetes cluster is deployed behind an organization routed network, additional configuration is required. See <https://kb.vmware.com/s/article/83215>.
- Verify that the tenant Kubernetes cluster has outbound access to the third party Docker hub where the Bitnami docker images are stored.

## Procedure

- 1 Log in to the VMware Cloud Director tenant portal.
- 2 From the main menu () , select **App Launchpad**.
- 3 To find the application that you want to launch, use the built-in search engine, select the application, and click **Launch**.

You can also use the **Featured Applications** list.

To find container applications, look for the Container label in the upper right corner of the application card.

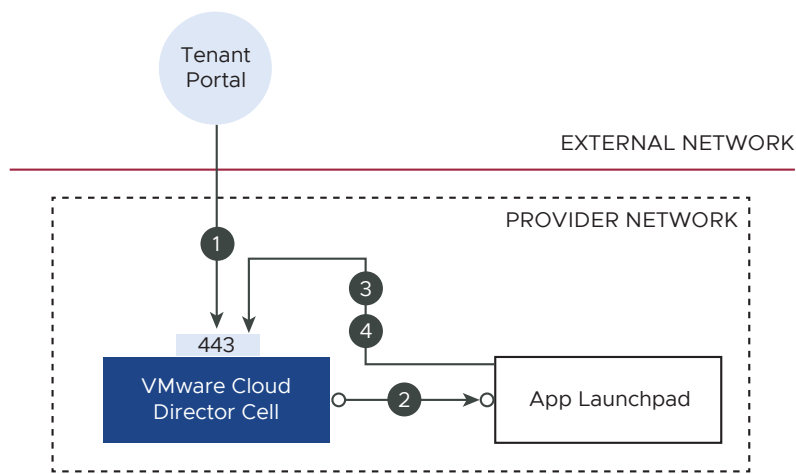
- 4 Enter a name for the application.
- 5 Select the target Kubernetes cluster.
- 6 (Optional) Edit the advanced settings of the application
  - a Click **Show Advanced Settings**.
  - b Edit the application settings using the YAML editor.
  - c (Optional) To review the editions, click **Changes**.
- 7 Click **Launch**.

## Launch an Application

When you launch an application, App Launchpad deploys a vApp in the virtual data center of your organization.

The following diagram illustrates the workflow of launching a VM application with App Launchpad.





Legend


- 1 A tenant user launches a VM application.
- 2 VMware Cloud Director dispatches the request to App Launchpad through the API extension.
- 3 App Launchpad reads the default organization settings, the edge network configuration, and vApp information from VMware Cloud Director.
- 4 App Launchpad instantiates the vApp in organization vDC of VMware Cloud Director.

## Prerequisites

Verify that you have the **vApp User** role or an equivalent set of rights assigned to your VMware Cloud Director instance. For more information, see [Predefined Roles and Their Rights](#).

## Procedure

1 Log in to the VMware Cloud Director tenant portal.

2 From the main menu () , select **App Launchpad**.

3 To find the application that you want to launch, use the built-in search engine, select the application, and click **Launch**.

You can also use the **Featured Applications** and **All Applications** lists to browse through the list of applications.

4 Enter a name for the application.

5 (Optional) To edit the deployment details, click **Show Details**.

A **service provider** has defined the default deployment details for your applications. You can optionally edit these details to meet your requirements.

a Select a target location for the application deployment.

b Select the deployment size.

c Select the IP address for the application.

Option	Description
<b>Internal IP Address</b>	<p>An IP address that is private and cannot be used to access the VM from outside of the subnet to which the VM is attached.</p> <p>You can select the following types of networks:</p> <ul style="list-style-type: none"> <li>■ Isolated network</li> <li>■ Routed networks without available IP addresses from the DNAT configuration</li> </ul>
<b>External IP Address</b>	<p>An IP address that is used to access the VM from outside of the subnet to which the VM is attached.</p> <p>You can select the following types of networks:</p> <ul style="list-style-type: none"> <li>■ Direct network</li> <li>■ Routed networks with available IP addresses from the DNAT configuration</li> </ul>

d To edit the advanced settings, click **Show advanced settings**.

e Select a network.

f (Optional) Select a firewall rule.

g Select a storage profile.

**6** (Optional) Add a startup script.

- a Click **Add Script**.

The **Add Script** window opens.

- b Paste your code and click **Save**.

**7** (Optional) Add metadata tags.

- a Click **Add Tag**.

- b Enter the key-value pair for the tag.

- c If necessary, add more tags by clicking **Add Tag** and entering the key-value pair for the tag.

**8** Click **Launch Application**.

A virtual application creation task appears in the task list of the VMware Cloud Director tenant portal. Launching the application can take a few minutes. After the application starts, you can find it in the **My Applications** list.

# Working with Applications as a Tenant User

## 3

Tenant users can power on, power off, and delete deployed applications. As a tenant user, you can also open the application in the virtual data center of VMware Cloud Director and open the console of an application.

This chapter includes the following topics:

- [Power off an Application](#)
- [Power on an Application](#)
- [Delete an Application](#)
- [View the vApp of an Application in the Virtual Data Center](#)
- [Open the Console of an Application](#)


## Power off an Application

To save virtual data center resources, you can power off an application that you do not use. You can later power on the application.

### Prerequisites

Verify that you have the **vApp User** role or the equivalent set of rights assigned to your VMware Cloud Director. For more information, see [Predefined Roles and Their Rights](#) in the *vCloud Director Documentation*.

### Procedure

- 1 Log in to the VMware Cloud Director tenant portal.
- 2 From the main menu () , select **App Launchpad**.
- 3 On the **My Applications** tab, find the application vApp that you want to power off.
- 4 From the **Actions** drop-down menu, select **Power Off** and confirm the operation.


## Power on an Application

If you powered off an application and you must use it again, power it on.

### Prerequisites

Verify that you have the **vApp User** role or the equivalent set of rights assigned to your VMware Cloud Director. For more information, see [Predefined Roles and Their Rights](#) in the *vCloud Director Documentation*.

### Procedure

- 1 Log in to the VMware Cloud Director tenant portal.
- 2 From the main menu () , select **App Launchpad**.
- 3 On the **My Applications** tab, find the application vApp that you want to power on.
- 4 From the **Actions** drop-down menu, select **Power On**.

### Results

After the power-on operation completes successfully, you can start using the application.


## Delete an Application

To clean up applications that you no longer need, you can delete the applications from App Launchpad.

### Prerequisites

- Verify that the application that you want to delete is powered off.
- Verify that you have the **vApp User** role or the equivalent set of rights assigned to your VMware Cloud Director. For more information, see the [Predefined Roles and Their Rights](#) topic in the *vCloud Director Documentation*.

### Procedure

- 1 Log in to the VMware Cloud Director tenant portal.
- 2 From the main menu () , select **App Launchpad**.
- 3 On the **My Applications** tab, find the application vApp that you want to delete.
- 4 From the **Actions** drop-down menu, select **Delete** and confirm the operation.

### Results

The application is deleted and tenant users can no longer use it. To use the same application, deploy it again. See [Launch an Application](#).


## View the vApp of an Application in the Virtual Data Center

To review or edit the settings of the vApp on which your application runs, open the vApp in the virtual data center of your organization.

## Prerequisites

Verify that you have the **vApp User** role or the equivalent set of rights assigned to your VMware Cloud Director. For more information, see [Predefined Roles and Their Rights](#) in the *vCloud Director Documentation*.

## Procedure

- 1 Log in to the VMware Cloud Director tenant portal.
- 2 From the main menu () , select **App Launchpad**.
- 3 On the **My Applications** tab, find the application vApp that you want to view in the virtual data center.
- 4 From the **Actions** drop-down menu, select **View in Virtual Datacenter**.

## Results

The **vApps** tab in the VMware Cloud Director tenant portal opens. You can review and edit the details of the vApp.


# Open the Console of an Application

To review or edit the settings of the operation system of the machine on which your application runs, you can open the console of the application.

## Prerequisites

- Verify that the application whose console you want to open is powered on.
- Verify that you have the **vApp User** role or the equivalent set of rights assigned to your VMware Cloud Director. For more information, see the [Predefined Roles and Their Rights](#) topic in the *vCloud Director Documentation*.

## Procedure

- 1 Log in to the VMware Cloud Director tenant portal.
- 2 From the main menu () , select **App Launchpad**.
- 3 In the **My Applications** tab, find the application vApp whose console you want to open and click **Open Console**.

## Results

The console opens in a new Web browser window.