# Create Project and Launch VM

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The information provided in this section is generic to OpenStack and it is provided here for your convenience with the exception of ConfigProfile, which is DFA specific.

## Known Caveats

The following are known caveats when you are creating a project and launching VM:

- Do not put hyphens in the project name.

- The Bulk Create and Delete functionality of VMs is not completely supported. (Refer the Known Limitations and Caveats section.)

- Do not give space for a network name or project name or a VM name.

## Steps to Create a Project

Take the following steps to create a project:

1 Login to Horizon using the following username and password:
```
username: admin
password: cisco 123
```

2 Click Projects and then Create Project.

**3** Enter a name for the project.

**Note** Do not use hyphens in the project name.

**4** Click Create Project.

# Steps to Create a User for the Project

Take the following steps to create a user for the project:

**1** Click Users.

**2** Click Create User.

**3** Fill in all the fields, select the project you just created and select the role as admin

**Note** The network information will not be populated to DCNM correctly, if you fail to specify the role as admin.

# Steps to Create the Network

Take the following steps to create the network:

**1** Login as the user you created in the "Steps to Create a User for the Project" section.

**2** Click the Project tab.

**3** Click Networks and click Create Network.

**4** Specify a name for the network and click the Subnet tab.

**Note** Steps 3 and 4 are mandatory.

**5** Specify a network address for the subnet.

**6** Click the Subnet Detail tab and leave the Enable External DHCP option checked if External DHCP instead of static IP address, for VM to be used.

**7** Click the CiscoDFA tab, It gives you a new window, and then select the config profile from the pull-down menu.

The other parameters specified in this window is for Cisco's Prime Network Service Controller (PNSC) integration.

Without service, make sure you select the basic non service related profiles:

- defaultNetworkIpv4EFProfile
- defaultNetworkIpv4TfProfile
- defaultNetworkdefaultPartitionIpv4TfProfile

&bull; defaultNetworkdefaultPartitionIpv4EfProfile

&bull; defaultNetworkL2Profile

Then select Network Role "Host Network," as shown below.

*Figure 1: Create Network Screen*



# Steps to Launch the VM

Take the following steps to launch the VM:

1  Click Instances and then click Launch Instance.

2  Click the Image drop-down menu and select the image.

There will be cirros image by default.

**3** Specify a name for the Instance.

**4** Click the Networking tab and select the network from the Available network list.

**5** Click Launch.