

AHV with FortiADC-VM Deployment Guide

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Tuesday, November 20, 2018

AWS with FortiADC-VM Deployment Guide

Second Edition

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Change Log

Date	Change Description
11/20/2018	Second release.

Introduction

Amazon Elastic Compute Cloud (Amazon EC2) provides scalable computing capacity in the Amazon Web Services (AWS) cloud. Using Amazon EC2 eliminates your need to invest in hardware up front, so you can develop and deploy applications faster. You can use Amazon EC2 to launch virtual servers, configure security and networking, and manage storage.

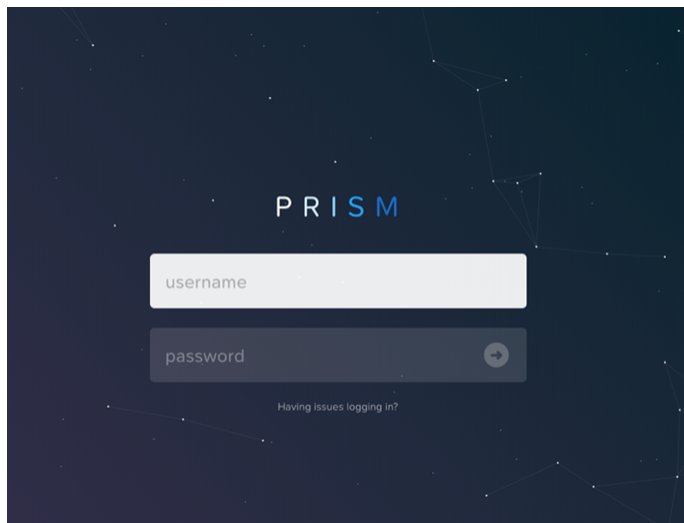
This guide shows how to deploy FortiADC-VM on AWS EC2.

Uploading the FortiADC Deployment Image to Nutanix

How to upload the image to Nutanix

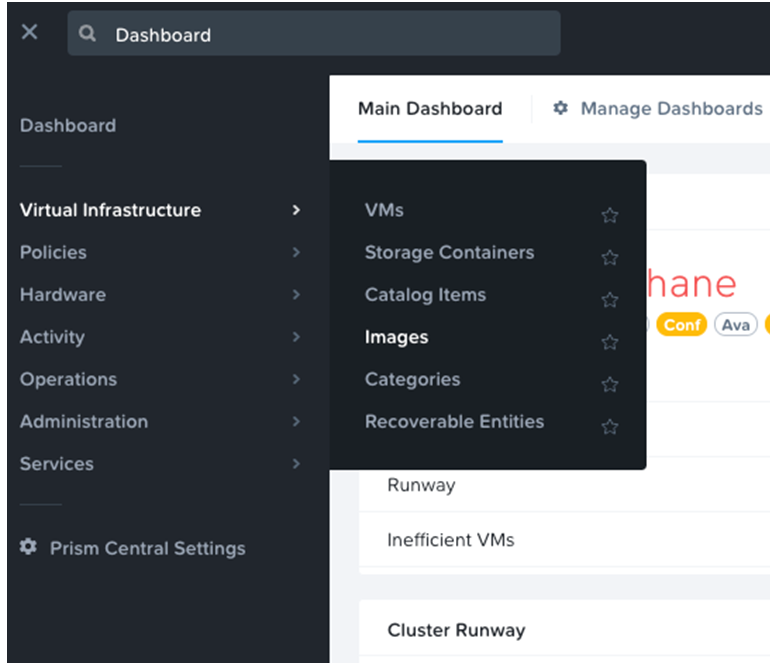
Log in to Nutanix

From http, go to Nutanix PRISM Central and log into the Nutanix management console.

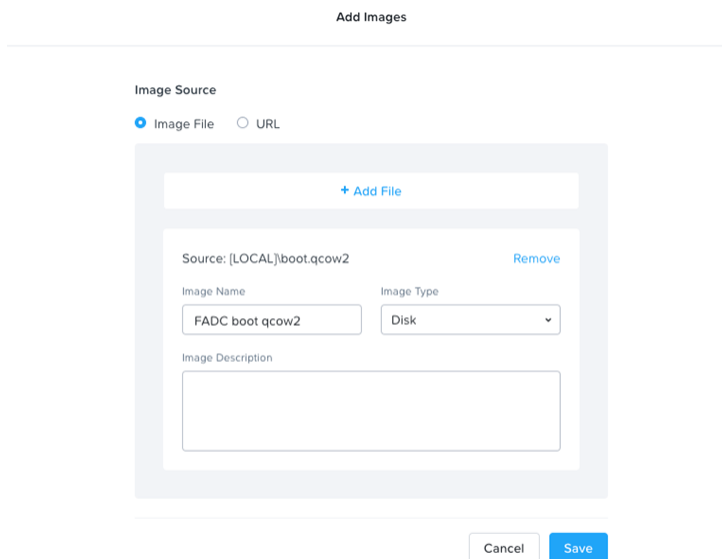


Upload the FortiADC boot image

1. Go to three bars in the upper left, then **>Virtual Infrastructure> Images**



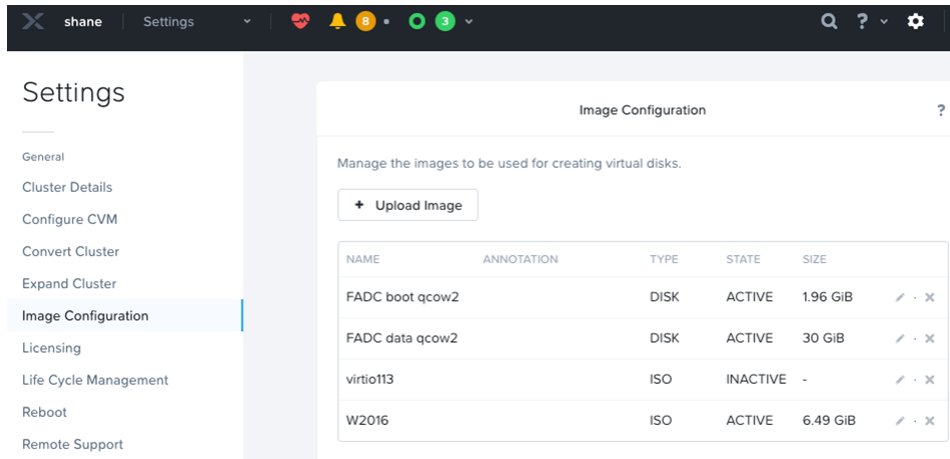
2. Click **Add Image**.
3. Under Image Source, click **Image File**.
4. In the Add Images window, click **Add File**.
5. **Select** the boot.qcow2 VM image file downloaded in Obtaining the Deployment Image.
6. In the IMAGE TYPE dropdown list, **ensure Disk is selected**.
7. In the IMAGE DESCRIPTION field, **enter the desired description**.
8. Click **Save**.



9. Wait a few minutes, then refresh the browser. You will find the newly created VM image in the Explore > Images list.

Check that Nutanix Image Service reports the VM image as active

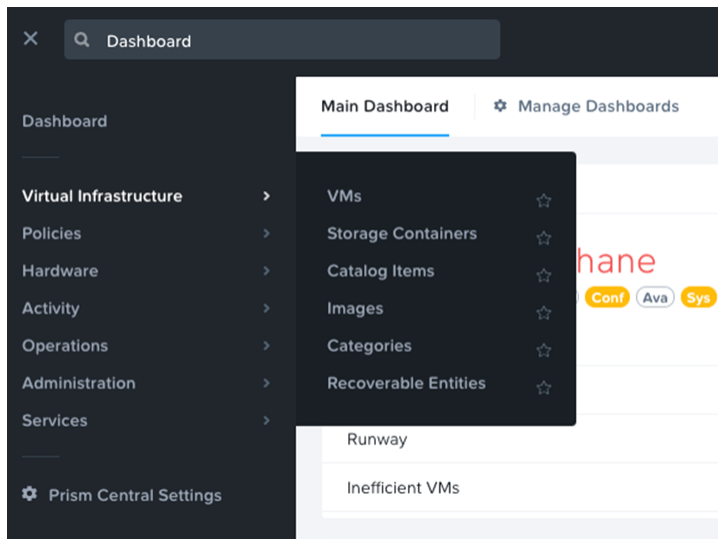
1. In the Nutanix management console, go to the main dashboard.
2. Under Cluster Quick Access, click the current cluster to launch PRISM ELEMENT
3. Go to the Gear icon, then > Image Configuration
4. In the Image Configuration window, ensure that the newly created VM is listed as active.



Creating the FortiADC Virtual Machine

Go to VMS

From the main PRISM Central dashboard, go to the three bars in the upper left corner > Virtual Infrastructure > VMS.



Press Create VM button**Enter the following configuration information for General Configuration and Compute Details:**

1. In the NAME field, enter the desired name for your VM.
2. In the VCPU(S) field, enter 1.
3. In the MEMORY field, enter 2.

By default, a CD-ROM is listed under Disks. Delete the CD-ROM.

You must create a boot disk and a log disk for the VM. First, let's create the boot disk:

1. Click **Add New Disk**.
2. The boot disk will be cloned from the VM image that you uploaded. Under OPERATION, **select Clone from Image Service**.
3. Under BUS TYPE, **select SCSI**.
4. Under IMAGE, **select the FortiADC boot disk image**.
5. Click **Add**. The boot disk has been added.

Create the data disk:

1. Click **Add New Disk**.
2. Under OPERATION, select Allocate on Storage Container
3. Under Storage Container, choose the appropriate storage container for the VM
4. Under SIZE (GB), **enter 30**.
5. Click **Add**. The log disk has been added.

Add 4-10 network interface for the VM:

1. Under Network Adapters (NIC), click **Add New NIC**.
2. Under VLAN NAME, select appropriate NICs.
3. Click **Add**.
4. Repeat for each additional virtual nic that is required

<OPTIONAL>Pin the VM to a host:

1. Under VM Host Affinity, click **Set Affinity**.
2. Under SELECT HOSTS, select the desired host.
3. Click **Save**.

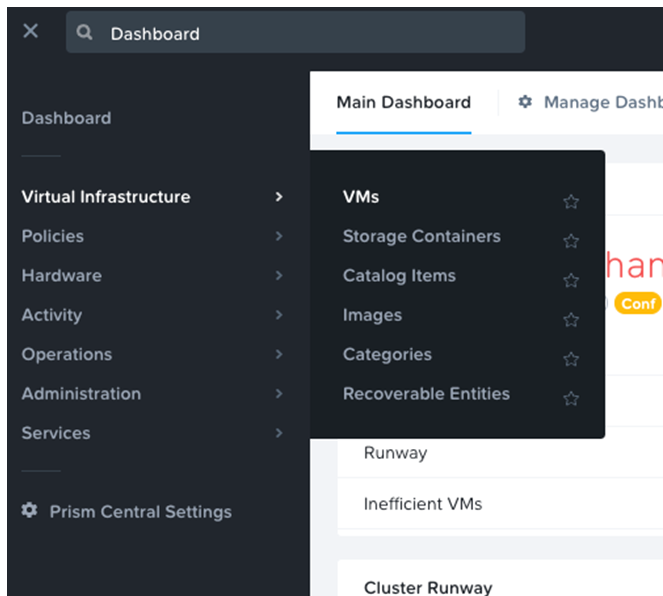
Finish

The system displays a Successfully submitted Create operation message when the VM has been created successfully with no error.

FortiADC-VM Power Up and IP Addressing

Power on the VM:

1. In the Prism Central dashboard, click on the 3 bars in the upper left and go to **Virtual Infrastructure> VMs**.



2. Click the check box next to newly created FortiGate-VM.
3. By default, the FortiGate-VM is shutdown after initial creation. Click **Actions > Power On**.

Launch console

Once Power State goes to green, click **Actions>Launch Console**

Log into FortiGate

Once boot-up is complete, the console prompts for login credentials. Log into the FortiGate, using the username admin and no password.

Set networking of vm console from command line

```
config system interface
edit port1
set ip xx.xx.xx.xx yyy.yyy.yyy.yyy (x=ip y=subnet mask)
end
config router static
edit 1
set gateway xx.xx.xx.xx
```

end

Go from http to FortiADC ip address from your browser

Log into the FortiGate-VM with the username admin and no password.



High Performance Network Security



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