

# Deploying Apstra Virtual Appliance on Nutanix

Published  
2025-07-28

# Table of Contents

## Deploying the Apstra Virtual Appliance on Nutanix

Download the Image | 1

Upload the Image | 1

Deploy the VM | 2

# Deploying the Apstra Virtual Appliance on Nutanix

## IN THIS SECTION

- Download the Image | 1
- Upload the Image | 1
- Deploy the VM | 2

This guide explains how to deploy the Apstra VM Image for Linux KVM image and install it on Nutanix.

## Download the Image

1. Download the 6.0 Apstra VM Image for Linux KVM (QCOW2) from the [Software Downloads](#) page.
2. Select the 6.0 version from the **VERSION** drop-down window.

An example filename for the 6.0 version is `aos_server_6.0.0-189.qcow2.gz`.

3. Extract the disk image and then move it to the location where you want to install it.

## Upload the Image

1. Log into the **Nutanix Prism Central** console.
2. Navigate to the **Image Configuration** screen, or similar screen, depending on the version of Nutanix.

The screenshot shows the Prism Central Settings page with the 'Image Configuration' tab selected. A 'Create Image' dialog box is open, showing the following fields:

- Name:** A text input field.
- Annotation:** A text input field.
- Image Type:** A dropdown menu with 'DISK' selected.
- Storage Container:** A dropdown menu with 'SelfServiceContainer' selected.
- Image Source:** Two radio buttons: 'From URL' (unselected) and 'Upload a file' (selected). The 'Upload a file' option has a 'Choose File' button and the text 'No file chosen'.

At the bottom of the dialog are three buttons: 'Back', 'Cancel', and 'Save'.

3. Click **Upload Image**, specify the name of the image, select the image type as **DISK**, and then upload the **qcow2** file that you extracted earlier.

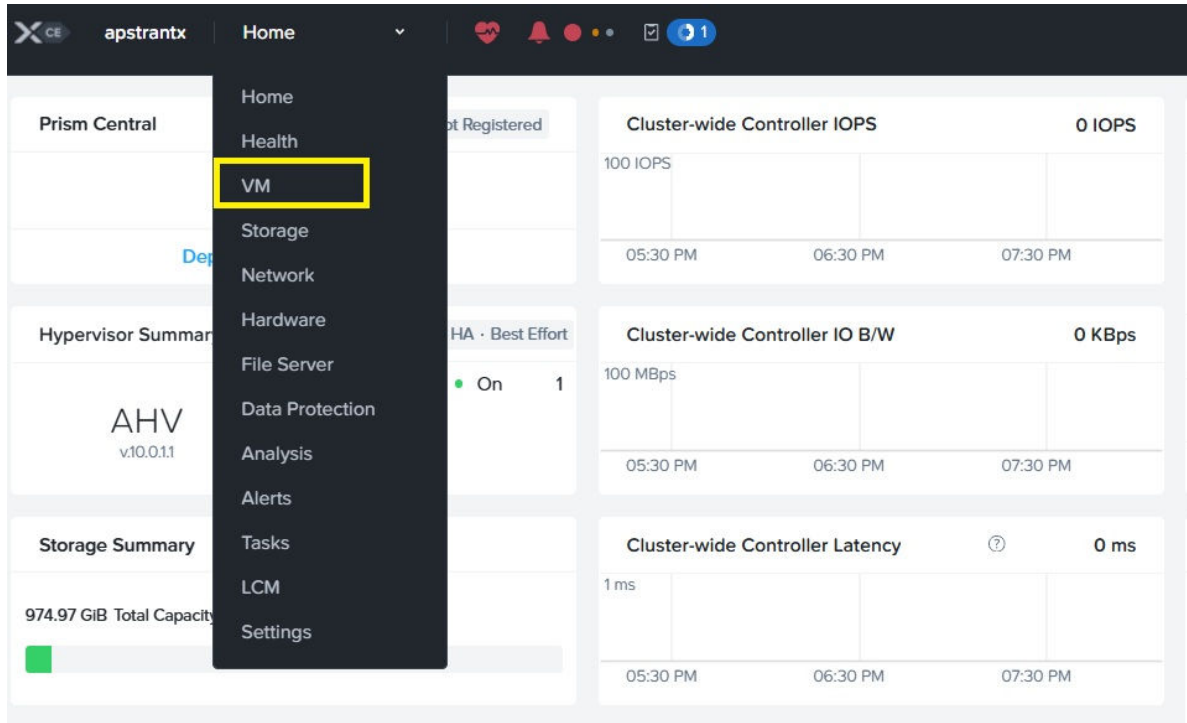
The screenshot shows the 'Add Disk' dialog box with the following fields:

- Type:** A dropdown menu with 'DISK' selected.
- Operation:** A dropdown menu with 'Clone from Image Service' selected.
- Bus Type:** A dropdown menu with 'SCSI' selected.
- Image:** A dropdown menu with 'qcow2-apstra' selected.
- Logical Size (GiB):** A text input field with '80' entered.
- Index:** A dropdown menu with 'Next Available' selected.

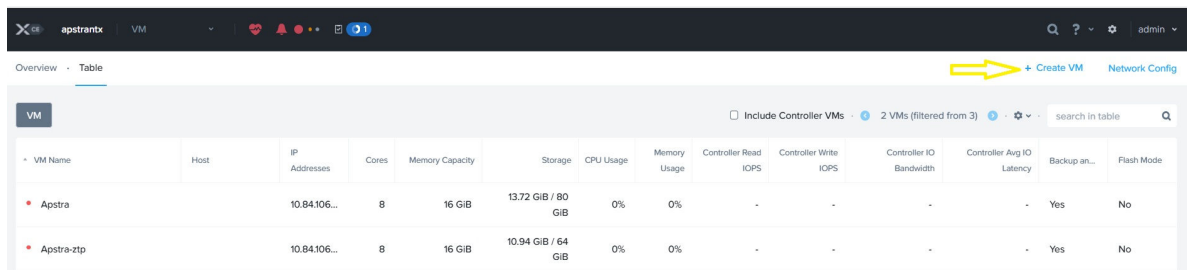
Below the fields is a note: "Please note that changing the size of an image is not allowed." At the bottom are two buttons: 'Cancel' and 'Add'.

## Deploy the VM

1. In the **Prism Central** console, navigate to the **VM** section.



2. Click **Create VM** to start the wizard, and then enter the name of the VM in the **Name** edit box.



Create VM

?

×

General Configuration

Name

Description

Timezone

(UTC) UTC

Cluster ▾

Use UTC timezone for Linux VMs and local timezone for Windows VMs.

☐ Use this VM as an agent VM

Compute Details

vCPU(s)

Number Of Cores Per vCPU

Cancel

Save

3. Select **Legacy BIOS** in the **Boot Configuration** section.

Create VM

Memory ?

16

GiB

Boot Configuration

☐ UEFI ?

☒ Legacy BIOS

Set Boot Priority

Default Boot Order (CD-ROM, Disk, Network)

Disks

+ Add New Disk

Type	Address	Parameters	
CD-ROM	ide.0	EMPTY=true; BUS=ide	

Volume Groups

Cancel

Save

- Specify the number of vCPU(s) and cores per vCPU, and memory details.

**Create VM** ? x

Description  
Optional

Timezone  
(UTC) UTC Cluster ▾  
Use UTC timezone for Linux VMs and local timezone for Windows VMs.

☐ Use this VM as an agent VM

**Compute Details**

vCPU(s)  
8

Number Of Cores Per vCPU  
1

Memory ?  
16 GiB

Cancel Save

5. Add a NIC to the VM by clicking **Add New NIC** in the **Network Adapters (NIC)** section.

Create VM

+ Add Volume Group

Network Adapters (NIC)

+ Add New NIC

VM Host Affinity

You haven't pinned the VM to any hosts yet.

+ Set Affinity

☐ Custom Script

Cancel

Save

6. Select the available subnet name from the drop-down window.

Create NIC

?

×

Subnet Name

Apstra-sub

Network Connection State

Connected

Private IP Assignment

Network address / prefix	Free IPs (Subnet)	Free IPs (Pool)
10.84.104.0/21	2043	1

Assignment Type

Assign with DHCP

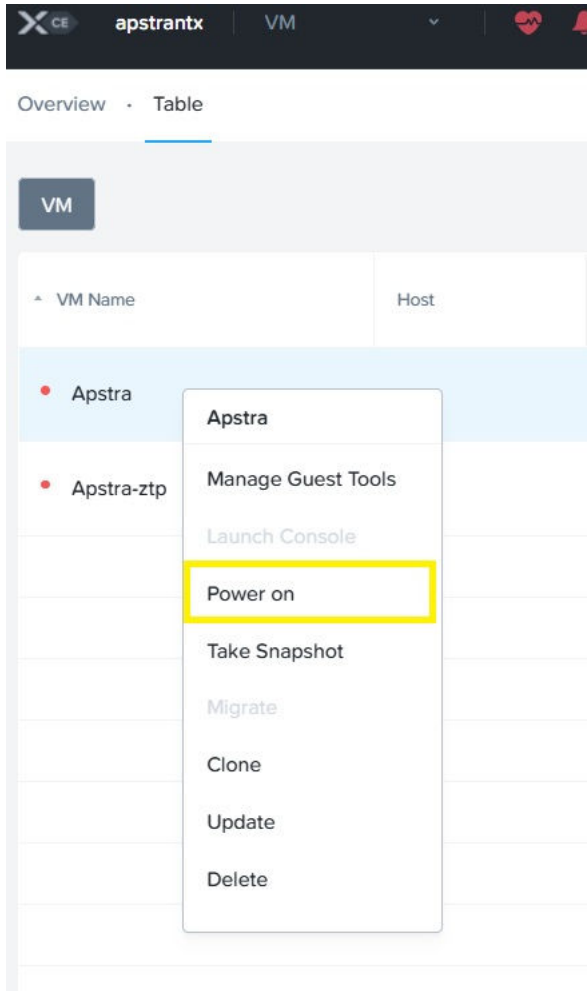
Assignment type will appear as Static after it has been assigned  
DHCP because the IP is permanently associated with the VM.

×

Cancel

Add

7. Save the VM settings and power it on.



Now you can configure your Apstra server.

Juniper Networks, the Juniper Networks logo, Juniper, and Junos are registered trademarks of Juniper Networks, Inc. in the United States and other countries. All other trademarks, service marks, registered marks, or registered service marks are the property of their respective owners. Juniper Networks assumes no responsibility for any inaccuracies in this document. Juniper Networks reserves the right to change, modify, transfer, or otherwise revise this publication without notice. Copyright © 2025 Juniper Networks, Inc. All rights reserved.