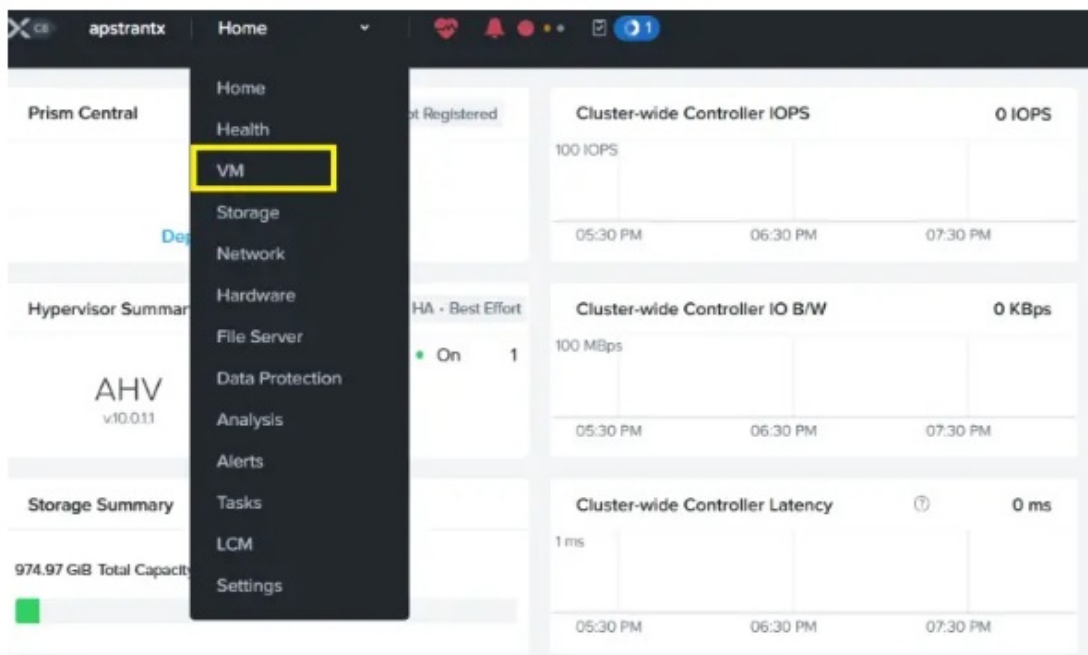


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Juniper Deploying Apstra Virtual Appliance on Nutanix

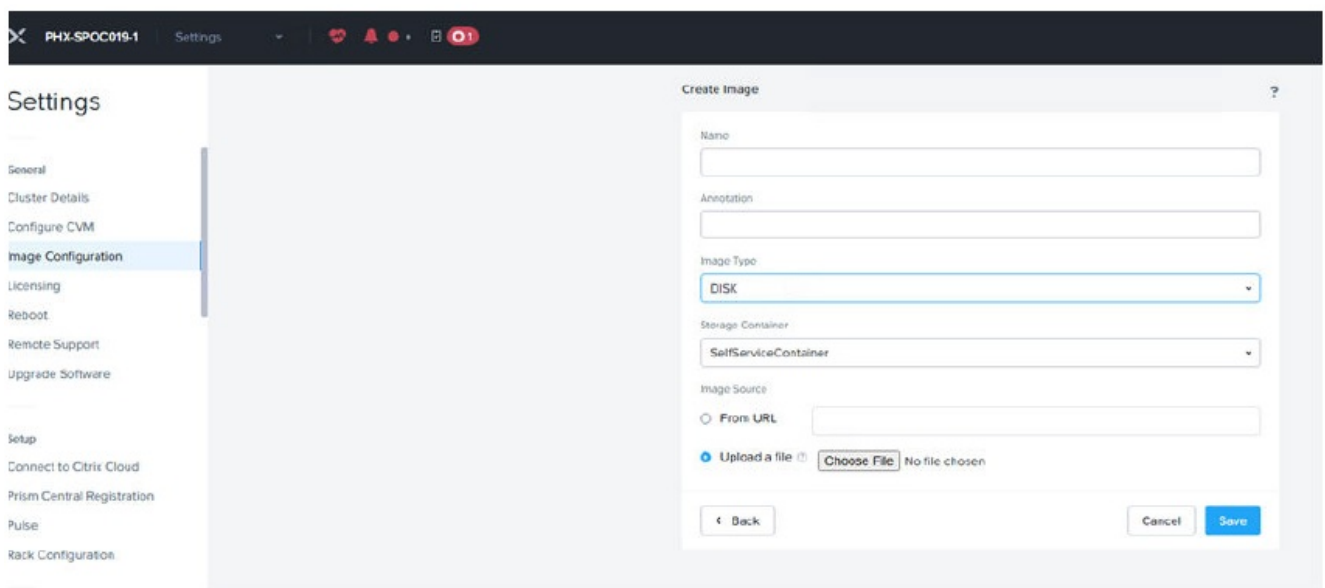


Download the Image

1. Download the 5.1 Apstra VM Image for Linux KVM (QCOW2) from the Software Downloads page.
2. Select the 5.1 version from the VERSION drop-down window.
An example filename for the 5.1 version is aos_server_5.1.0-117-189.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 Nutanix Prism Central console interface. On the left, a sidebar menu is visible with the following items: Settings, General, Cluster Details, Configure CVM, Image Configuration (highlighted), Licensing, Reboot, Remote Support, Upgrade Software, Setup, Connect to Citrix Cloud, Prism Central Registration, Pulse, and Rack Configuration. The main area displays the 'Create Image' dialog box. This dialog has a title bar with a question mark icon. It contains the following fields and options: 'Name' (text input), 'Annotation' (text input), 'Image Type' (dropdown menu with 'DISK' selected), 'Storage Container' (dropdown menu with 'SelfServiceContainer' selected), and 'Image Source' (radio buttons for 'From URL' and 'Upload a file', with 'Upload a file' selected). Below the 'Upload a file' option is 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.

Add Disk?×

Type

DISK

Operation

Clone from Image Service

Bus Type

SCSI

Image ?

qcow2-apstra

Logical Size (GiB) ?

80

Please note that changing the size of an image is not allowed.

Index

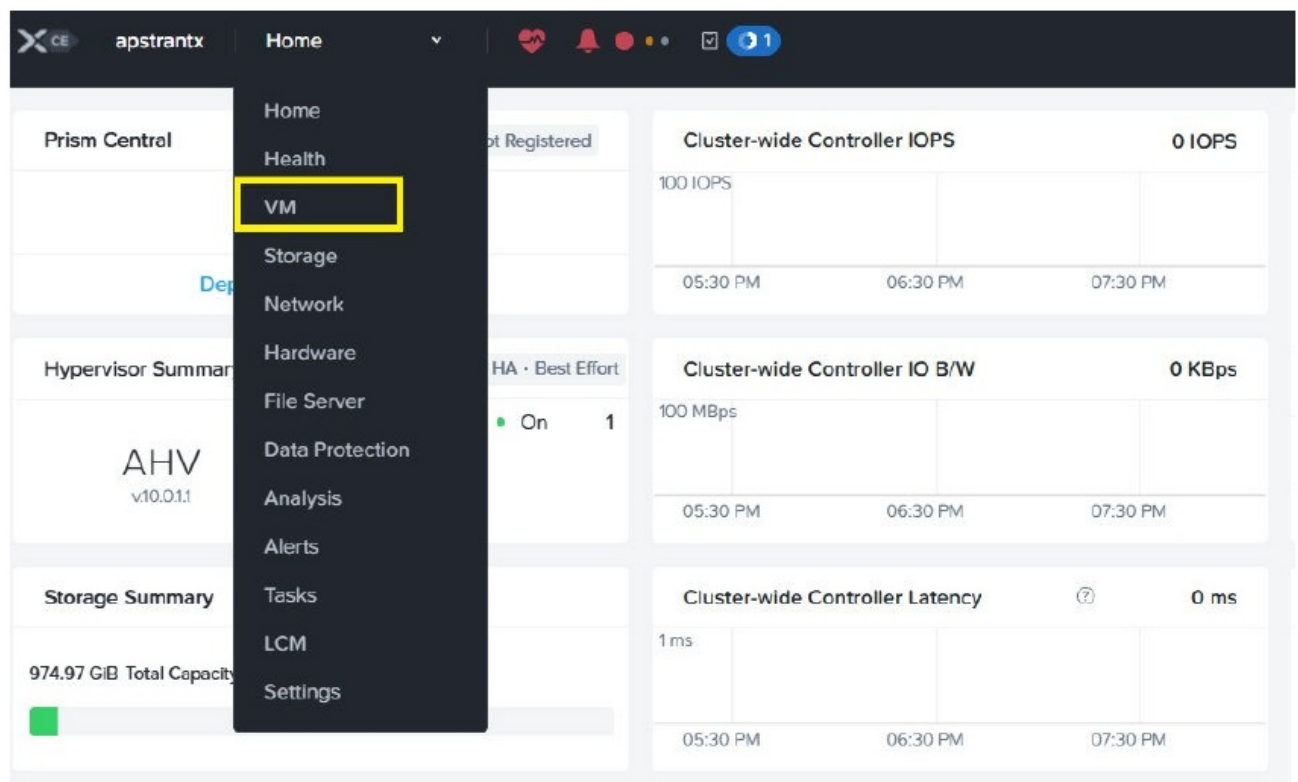
Next Available

Cancel

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.

apstrantr VM													
Overview Table													
<div> <div>VM</div> <div> <input type="checkbox"/> Include Controller VMs 2 VMs (Filtered from 3) <div>search in table</div> </div> </div>													
VM Name	Host	IP Addresses	Cores	Memory Capacity	Storage	CPU Usage	Memory Usage	Controller Read IOPS	Controller Write IOPS	Controller IO Bandwidth	Controller Avg IO Latency	Backup an...	Flash Mode
Apstra		10.84.306...	8	16 GiB	13.72 GiB / 80 GiB	0%	0%	-	-	-	-	Yes	No
Apstra-ntp		10.84.306...	8	16 GiB	10.94 GiB / 54 GiB	0%	0%	-	-	-	-	Yes	No

Create VM

?

×

General Configuration

Name

Name

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)

Value

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) ▾

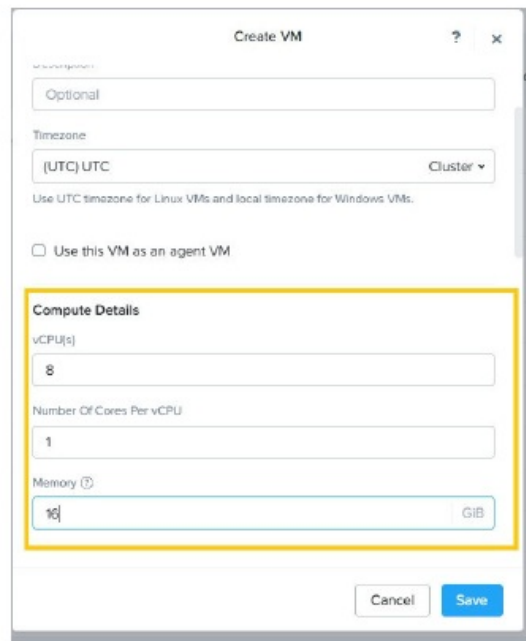
Disks + Add New Disk

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

Volume Groups

Cancel Save

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

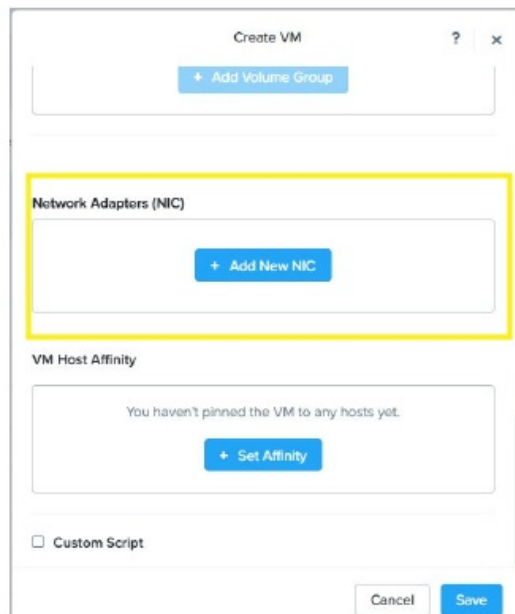


The screenshot shows the 'Create VM' dialog box with the 'Compute Details' section highlighted by a yellow border. The 'Compute Details' section contains the following fields:

- vCPU(s)**: A text input field containing the value '8'.
- Number Of Cores Per vCPU**: A text input field containing the value '1'.
- Memory**: A text input field containing the value '16', followed by a 'GIB' unit selector.

Other visible fields in the dialog include 'Optional' (a button), 'Timezone' (a dropdown menu set to '(UTC) UTC'), and a checkbox labeled 'Use this VM as an agent VM' which is currently unchecked. At the bottom right are 'Cancel' and 'Save' buttons.

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



The screenshot shows the 'Create VM' dialog box with the 'Network Adapters (NIC)' section highlighted by a yellow border. This section contains a single button labeled '+ Add New NIC'.

Other visible sections in the dialog include:

- VM Host Affinity**: A section with the text 'You haven't pinned the VM to any hosts yet.' and a '+ Set Affinity' button.
- Custom Script**: A checkbox that is currently unchecked.

At the bottom right are 'Cancel' and 'Save' buttons.

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.

apstrantx VM

Overview • Table

VM

VM Name	Host
Apstra	
Apstra-ztp	

Apstra

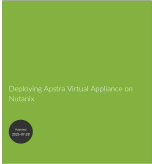
- Apstra
- Manage Guest Tools
- Launch Console
- Power on
- Take Snapshot
- Migrate
- Clone
- Update
- Delete

Now you can configure your Apstra server.

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Documents / Resources

	Juniper Deploying Apstra Virtual Appliance on Nutanix [pdf] User Guide Deploying Apstra Virtual Appliance on Nutanix, Apstra Virtual Appliance o n Nutanix, Virtual Appliance on Nutanix, Appliance on Nutanix
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References

- [User Manual](#)

■ JUNIPer

◆ Appliance on Nutanix, Apstra Virtual Appliance on Nutanix, Deploying Apstra Virtual Appliance on Nutanix, JUNIPer, Virtual Appliance on Nutanix

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