RACKTOP

BrickStor SP Virtual Appliance Deployment Guide for Nutanix Acropolis

Preface

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BrickStor SP as a Nutanix Virtual Appliance

BrickStor Security Platform (BrickStor SP) is a data security platform for unstructured data that can be deployed as a virtual appliance, providing shared data over SMB and NFS protocols with advanced security and compliance features.

Nutanix Software Requirements

The following table shows the Nutanix software versions supported for deploying a BrickStor SP virtual appliance:

SOFTWARE	VERSIONS SUPPORTED	ADDITIONAL NOTES
Nutanix Acropolis	20201105.30398	

Hardware Requirements

The following table shows the required hardware hosting the Nutanix infrastructure that is suitable for a BrickStor SP virtual appliance:

COMPONENT	REQUIREMENTS
Processors	2.0GHz or better
Storage	Solid State Disk (SSD) is recommended for hosting virtual appliances to provide the required I/O performance of the primary OS drive for BrickStor SP. Mechanical hard disk drives (HDD) may serve as storage for file storage volumes.

Other Requirements

Additional requirements may present dependent on the enabled features and use case of the deployment (e.g., Network preferences). For more information regarding requirement specification, see the BrickStor SP User Guide.

Host Servers and Clustering

In order to ensure the highest levels of availability for BrickStor SP services when running as a virtual appliance, it is expected that the BrickStor SP virtual machine is deployed on a Nutanix Acropolis cluster with two or more hypervisor servers and High Availability enabled and configured to restart virtual machines in the event of a host failure.

Deploying BrickStor SP on Nutanix Acropolis

This following section will outline the steps for deploying a BrickStor SP virtual appliance and provide recommended and minimum required settings.

These instructions require that the customer has access to the current version BrickStor SP image file in ISO format which is available to licensed customers on the RackTop customer portal: https://www.myracktop.com

Creating the Virtual Machine

Naming and Resources

Using the Prism Central Management software from the Virtual Infrastructure tab, launch the VMs menu item and click on the **Create VM** button. Fill out the necessary details from the **Create VM dialog box**.

Compatibility and Guest OS

The following list represents the recommended choices for deploying a BrickStor SP virtual appliance:

- **Compatible with**: Nutanix Acropolis 20201105.30398 or later.
- **Hypervisors provide**: sufficient CPU, RAM, and performant IO for reliable VM operation.
- **Failover: Two or more Hypervisors are configured in cluster for VM failover.**

Customizing Hardware

The following list represents the recommended minimum choices for hardware customization of a typical BrickStor SP deployment:

- **CPU**: 4 (vCPU: 1, Cores: 4)
- **Memory**: 64GB
- **CD/DVD** drive: During creation of the virtual machine is a convenient time to mount the ISO file.
- **New Hard disk**: 100GB (Note: This is for the base operating system only. Additional Hard disks should be provisioned for data.)
    - Allocate on Storage Container: Bus Type SCSI
- **Additional Hard disks**: For data, storage may be provisioned using the same options, Allocate on Storage Container: Bus Type SCSI.
    - Provision these resources based on your data storage requirements.
- **Legacy BIOS:** Selected.
- **At least one network adapter added**.
    - If separate networks are desired for management and data access, additional network adapters should be added to the virtual machine.

Installing BrickStor SP as a Virtual Appliance

This section will outline the process of powering on the BrickStor SP virtual machine for the first time and installing the OS.

- Select the BrickStor SP virtual machine in Prism Central > Virtual Infrastructure > VM (tab) > Actions (menu item) and **power it on**.
- With the BrickStor SP virtual machine powered on, select **Launch Console**
- Once the VM has booted, the BrickStor SP installer will present.
    - Login with **root/racktop** and run **'osinstall'**. Select the **100GB OS disk**.
- Once the installation is complete, **eject** the ISO from the CD/DVD drive by **editing the VM settings** in Prism Central
- **Restart** the BrickStor SP virtual machine.
- The BrickStor SP appliance is now ready.
    - Refer to the BrickStor SP User Guide for the initial configuration instructions.

Configuring The BrickStor SP Manager

For instructions on setting up the BrickStor SP Manager including creating storage pools, joining a directory service, and setting up file sharing, refer to the BrickStor SP User Guide available at https://myracktop.com (Customer account required).