Working with Nutanix

https://campus.barracuda.com/doc/79463488/

This article makes recommendations for protecting virtual machines (VMs) and applications running on a Nutanix platform, as well as the deployment of the Barracuda Backup Virtual Appliance (Vx) in a Nutanix environment.

Barracuda Backup provides Nutanix customers with a cloud-first approach to backup and recovery. Fully tested and validated on Nutanix clusters running VMware vSphere, Barracuda Backup can both protect VMs and be deployed as a virtual appliance within VMware vSphere. Barracuda Backup also supports the protection of VMs running on both Microsoft Hyper-V and Nutanix AHV, with the ability to be deployed as a virtual appliance on Hyper-V. The combined solution of Nutanix and Barracuda Backup gives customers the peace of mind that their data, applications, and VMs are fully protected and always available.

Audience

This article is intended for individuals responsible for the architecture, design, management, and support of Barracuda Backup on Nutanix systems, familiar with both Barracuda Backup and Nutanix, and using this best practice guide to better understand the synergy between the two products.

Purpose

This article covers the high-level best practices for Barracuda Backup and Barracuda Backup Vx with Nutanix, and covers Barracuda Networks' support for VMware vSphere, Microsoft Hyper-V, and how to protect Nutanix AHV VMs and applications. Additionally, this article provides step-by-step instructions for deploying the Barracuda Backup Virtual Appliance (Vx) into a Nutanix environment running VMware vSphere and Microsoft Hyper-V.

This article is intended for use by individuals responsible for the architecture, design, management, and support of Barracuda Backup on Nutanix systems. It is assumed that readers of this document are familiar with both Barracuda Backup and Nutanix, and are using this best practice guide to better understand the synergy between the two products.

This article covers the high-level best practices for Barracuda Backup and Barracuda Backup Vx with Nutanix. This article covers Barracuda Networks' support for VMware vSphere, Microsoft Hyper-V, and how Nutanix AHV VMs and applications can be protected, and provides step-by-step instructions for deploying the Barracuda Backup Vx into a Nutanix environment running VMware vSphere and Microsoft Hyper-V

Barracuda Backup and Nutanix Technology Alliance

Barracuda Backup provides an additional layer of protection for virtualized workloads powered by Nutanix. With hypervisor-level snapshots for VMware vSphere, Barracuda Backup makes it easy to protect your data, VMs, and applications running on Nutanix. Together, Barracuda Backup and Nutanix provide a complete data protection solution that helps organizations meet their recovery point and recovery time objectives.

Benefit	Nutanix	Barracuda Backup
VMware Data Protection w/Snapshots	✓	✓
Replication to Other Nodes	✓	
Business Continuity / Failover	✓	
Granular File Recovery (Direct Restore)		✓
Granular Application Recovery		✓
Offsite (external) Replication		✓
Long Term Retention		✓
Tape / Disk Out Capability (Archive)		✓
Backup, DR, and Archive in the Cloud		✓
Live VM Recovery for VMware		✓

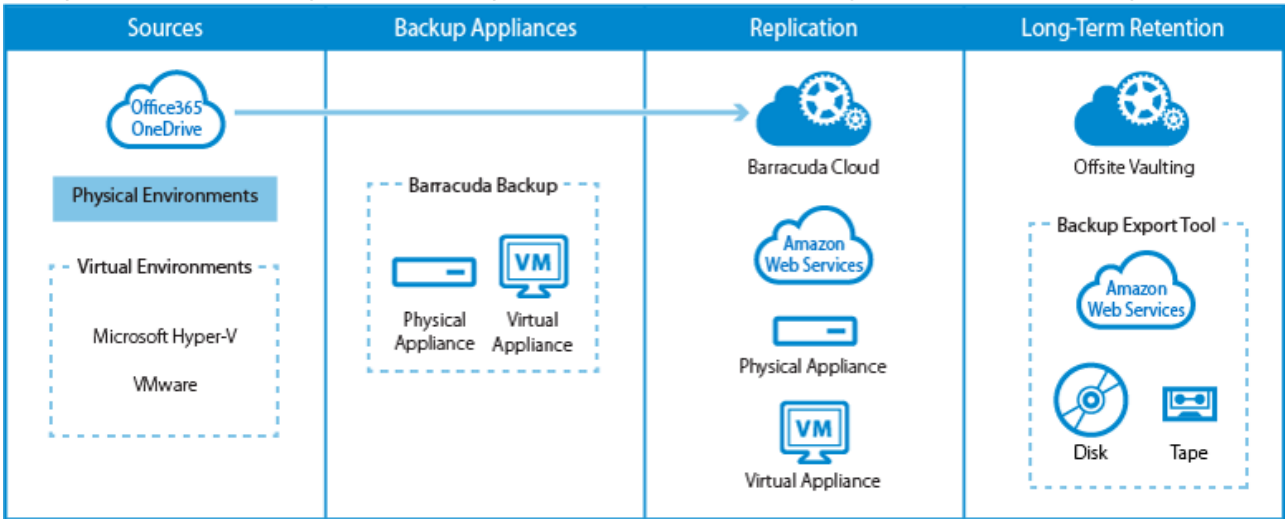
Understanding the Barracuda Backup Appliance

Barracuda Backup Appliances provide an integrated, all-in-one data protection solution that includes the necessary compute, local storage, backup software, and offsite storage to fulfill all of your backup requirements. To ease the pain of management and provide access to data at all times, Barracuda Backup is managed by a cloud-hosted, centralized management interface called Barracuda Cloud Control. Barracuda Backup Appliances range in capacity from 1 TB to 112 TB and can protect most environments up to 50 TB with a single device.

Some of the advantages of Barracuda Backup include:

- Simple pricing with no per-application or per-server licensing fees
- Cloud-based central management for seamless multi-site administration
- Rapid local or remote recovery, preventing data loss and minimizing down time
- Built-in cloud and site-to-site replication prevent data loss in case of disaster
- LiveBoot and Cloud LiveBoot enable rapid VM recovery
- Cloud-to-Cloud Backup protects Microsoft 365 environments from data loss
- Offsite vaulting of historical revisions frees up valuable space on local storage

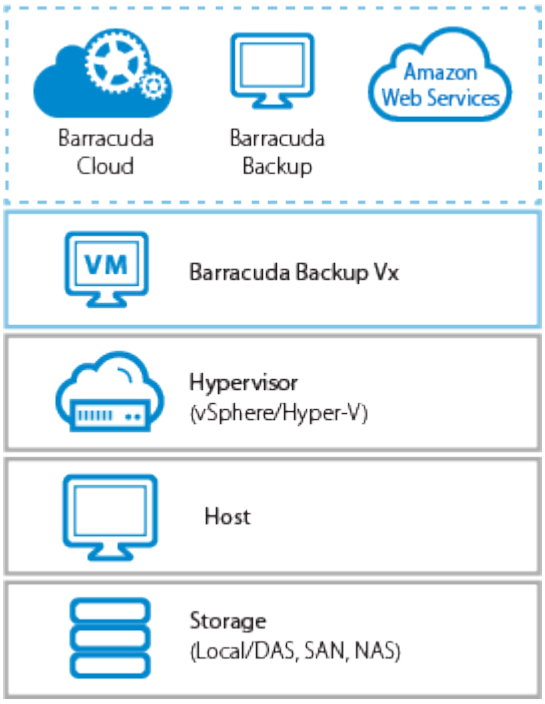
- Compression and deduplication for up to 50X reduction in storage and bandwidth requirements



Understanding the Barracuda Backup Vx Appliance

The Barracuda Backup Vx is a virtual image of a Barracuda Backup Appliance that can be deployed to a VMware vSphere or Microsoft Hyper-V environment. The software-based solution, once deployed, provides the exact same functionality and features as the Barracuda Backup Appliances. In addition to the advantages provided by a Barracuda Backup Appliance, Barracuda Backup Vx provides two key benefits for customers:

- Barracuda Backup Vx enables customers to deploy the Barracuda Backup product on their own infrastructure, using their own storage.
- Barracuda Backup Vx helps fully virtualized customers more effectively use and deploy Barracuda Backup to protect their virtual environment without having to deploy a dedicated physical Barracuda Backup Appliance.



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