

vprotect

Modernized Backup for Nutanix AHV

Efficient Nutanix Backup with Integration into Enterprise Backup Platforms

vProtect Highlights

- Efficient, incremental VM-level backup and protection for Nutanix Acropolis Hypervisor
- Supports data export into existing backup environments for integration and long-term storage. Works with IBM Spectrum Protect, Veritas NetBackup, Dell-EMC Networker and Catalogic DPX
- Backup to Amazon S3, OpenStack Swift or any mounted file-system
- Provides incremental backups for Nutanix clusters – CRT (Changed-Region Tracking) based on Nutanix AHV API
- Open API for 3rd party software integration (REST API) as well as command line
- Multi-node support for better scalability or geographically dispersed environments
- Auto-discovery of VMs through Nutanix Hypervisor Manager (Prism) or individual hosts
- Easy file-level restore using mountable backups
- Optionally uses quiesced snapshots

vProtect Introduction

Catalogic vProtect is an enterprise backup solution for Nutanix Acropolis Hypervisor and other open virtual environments. vProtect enables VM-level protection and can function as a standalone solution or integrate with enterprise backup software.

vProtect for Nutanix delivers efficient and scalable Nutanix backup & restore with full backups or incrementals (Changed Region Tracking), drive-exclusion and single file restore.

vProtect Architecture

The vProtect architecture consists of two components: the vProtect Server and one or more Nodes. The Server provides management and stores all metadata. A Node is responsible for data transfer and integration with the hypervisor platform and backup destinations. In a Nutanix implementation, the vProtect Node is installed on the Nutanix Cluster in a virtual machine and is referred to as the Proxy VM.

The Proxy VM can be any CentOS/RHEL based installation. For smaller environments, all components can install on the same VM. Individual VMs are automatically discovered and indexed, and then backup policies can be applied to them.

Backup Storage Options

vProtect has a unique ability to export backups to third-party backup providers. This allows vProtect to add native Nutanix backup functionality into products that do not natively support it. vProtect works with IBM Spectrum Protect, Veritas NetBackup, Dell-EMC Networker and Catalogic DPX. vProtect can also optionally keep a local backup copy for faster operational recovery purposes.

Standalone deployments are also possible. vProtect can back up to any file system connected to the Proxy VM. In addition, data can be exported to Amazon S3 or OpenStack Swift.

Efficient incremental backups

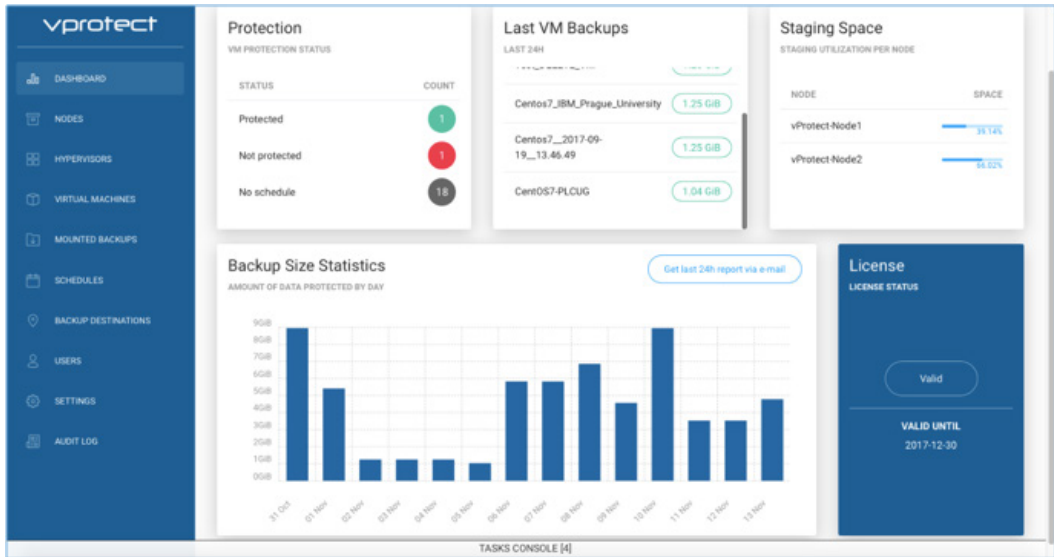
vProtect provides incremental backups for Nutanix clusters through the use of Changed-Region Tracking (CRT) based on Nutanix AHV API. In addition to incremental backups, users can exclude specific VM disks from backup. For example, disks that store large temp files that aren't needed in recovery.

Data consistency

vProtect uses the Nutanix API to create application-consistent snapshots. Using Nutanix VM resident tools allows for quiescing databases prior to the snapshot, which results in a more consistent backup. Otherwise, vProtect will use crash consistent snapshots returned by Nutanix AHV.

Easy Dashboard View

vProtect provides an easy-to-use, intuitive interface that makes management and monitoring simple. Configuration steps are clearly defined. A visual scheduler aids in understanding. And the dashboard immediately identifies any VMs that are not protected.



Mountable backups and file restore

The mountable backup feature provides a quick and easy way to access backup data without having to do a full VM restore. This is especially useful for restoring one or a few individual files. The user can mount the backup image which requires no data movement, and simply copy back the needed files. Incremental backups can also be mounted because the vProtect Node merges the incremental backups into the full backup image.

© Copyright Catalogic Software 2018
50 Tice Boulevard, Suite 110
Woodcliff Lake, NJ 07677 U.S.A.
201.249.8980
catalogicsoftware.com

United Kingdom: +44 (0) 207 712 1667
Germany: +49 (0) 2102 307614 0
Netherlands: + 31 (0) 20 347 23 88



Catalogic is a registered trademark of Catalogic Software Inc. ECX is a trademark of Catalogic Software Inc. All other company and product names used herein may be the trademarks of their respective companies.

