

Vembu VMBackup for Microsoft Hyper-V

Microsoft Hyper-V is becoming a tough competition for VMware vSphere ever since the Microsoft unveiled the free hypervisor alongside Windows OS. So, more IT Admins are attracted towards it by the new and improved functionality of Hyper-V. Vembu VMBackup for Microsoft Hyper-V provides faster and efficient backups with enterprise level features for SMBs. With RPO and RTO less than 15 minutes, VMBackup provides faster VM recovery options which ensure high availability and business continuity.

“Vembu ensures availability of our core production systems that support Mackie’s business operations. 24x7 availability of business applications and its data is critical for us, and Vembu delivers on these requirements. Vembu has become an integral component of our IT and business continuity strategy.”

Lee Wong, Manager of Information Technology at The Mackie Group

Supported Hyper-V Environment

Hosts

- Microsoft Windows Server Hyper-V 2016
- Microsoft Windows Server Hyper-V 2012 R2
- Microsoft Windows Server Hyper-V 2012
- Microsoft Windows Server Hyper-V 2008 R2

Platforms

- Microsoft Windows Server 2016
- Microsoft Windows Server 2012 R2
- Microsoft Windows Server 2012 R2 Core
- Microsoft Windows Server 2012
- Microsoft Windows Server 2008 R2
- Microsoft Windows Server 2008 R2 Core

Features of Hyper-V Backup

Backup

Agentless Hyper-V Backup: Backup all virtual machines running on Hyper-V server without installing any agent inside each VM

Full VM Backup: Protect entire VM including operating system, application and data of virtual machine running on a Hyper-V environment in a single pass to ensure the business continuity

CBT enabled Hyper-V incremental backups: Efficient block level incremental backup processed using Vembu proprietary CBT (Change Block Tracking) Driver for the VMs running on Hyper-V environments

Advanced Retention Policies: Basic and Advanced (GFS) retentions policies helps to merge the multiple recovery points and reduces the time taken to restore the backed up VMs

VM Data Stored In CSV and SMB Share: Backup all the virtual machines on Hyper-V host which are stored on the SMB and Clustered Shared Volumes(CSV)

Application-aware Backup: During each backup schedule, VMBackup verifies the Microsoft Applications writer consistency to ensure the consistency of the Microsoft applications such as Exchange, SQL, SharePoint and Active Directory

Log Truncation: Vembu VMBackup reduces the overflow of storage space by automatically truncating the Exchange transaction logs after performing a successful VM backup

OffsiteDR for Data Redundancy and Disaster Recovery: Replicate redundant copy of backup data to your own offsite data center or to Vembu Cloud

Recovery

Quick VM Recovery: Recover the backed up VMs instantly to any hypervisors like Hyper-V, VMware and KVM without restoring the entire VM data

Instant File Recovery: Recover individual files and folders instantly from backed up VMs without restoring the entire VM data

Full VM Recovery: Recover the backed up VMs permanently to the same or different Hyper-V Server

Cross Hypervisor Migration (V2V): VMBackup helps to migrate VMs running on Hyper-V to VMware and vice versa by downloading the virtual disk files like VHD, VHDX, VMDK, VMDK-Flat, RAW from the recovery console

Centralized Data Monitoring available **24/7/365**

Vembu BDR360 – Centralized monitoring and management portal delivers extensive reports on backup activities and resource utilization across all BDR backup servers with features like

- ✓ Email Alerts
- ✓ VM Level Reports
- ✓ Instant Notifications
- ✓ Group Management
- ✓ Image Verification Reports

Vembu Portal – Centralized license management portal to manage license utilization.

- ✓ Billing
- ✓ Invoice
- ✓ Licensing
- ✓ Account Management

Vembu Universal Explorer

Vembu Explorer for Microsoft Exchange: Instantly restores Exchange user mailboxes, emails, contacts and etc. from backup VMware VMs without restoring entire Exchange server

Vembu Explorer for Microsoft Active Directory: Instantly restores Active Directory objects and GPOs and etc. without restoring entire MS Active Directory VM

Vembu Explorer for Microsoft SQL Server: Instantly restores SQL database and tables without restoring entire SQL VM

Vembu Explorer for Microsoft Sharepoint: Instantly restores SharePoint site collections, documents and other SharePoint items without restoring entire SharePoint VM

Storage & Management

Efficient Storage Management: Vembu uses its own proprietary filesystem VembuHIVE on top of the storage targets to enhance the performance and scalability of the storage devices. It has built-in compression, encryption, deduplication and built-in error correction

Scale-out Repositories: Storage targets such as Local, SAN, NAS and DAS can be incrementally added to the repository anytime without affecting the existing backup job

Compression & Encryption: The backed up data are encrypted and compressed before storing it on the backup server to reduce the storage needs

Web console: All the Hyper-V backups can managed easily by using the user-friendly web console based interface

Cross Platform Migration: Using Vembu VMBackup, the backed up Hyper-V VMs can be easily migrated to other hypervisors and vice versa. Similarly, the physical servers can also be migrated to the Hyper-V Servers

E-Mail Notification: The status of the configured backups (like success, failure, etc.) will be notified to the user instantly by a detailed E-Mail

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