vembu
Backup & Disaster Recovery

Simplifying Data Protection

Backup for | VMware | Hyper-V | Windows | AWS | Microsoft 365 | Google Workspace | File Servers | Endpoints | Applications

Backup & Replication for Hyper-V

Vembu Backup & Replication for Hyper-V offers agentless host and cluster-level backups of your virtual machines running on Hyper-V. By leveraging Resilient Change Tracking (RCT) technology, you can schedule automatic incremental backups with minimum RPO of 15 minutes. Diverse recovery options, from granular recovery to cross-platform migration, Vembu allows you to instantly restore your backups as new VMs with minimal RTO.

Customer Quotes

"We have used Vembu product for years, starting with its hybrid-cloud backup solutions and like it for its ease to deploy, ease to manage, ease to invoicing, and broad set of scalable offerings from simple file backup up to BCP product lines."

-Lee Wong, Manager of Information Technology at The Mackie Group

"Vembu have been a valued partner since starting to use the product around 5 years ago. We've consistently seen improvements and upgrades as needed. When we've had problems they've been there to help, no hard sales and no fuss."

-Alan Morris, Head of Technical Services, Cyngor Sir CEREDIGION County Council

Vembu Portal

It is an all-in-one portal to register & manage Vembu Products & Services with the options like:

- Billing
- Invoice
- Licensing
- Account Management

Backup

Agentless Backup: Backup single/multiple VMs or entire Hyper-V host and protect your Hyper-V environment without installing any agent inside each VM.

Cluster-level Backup: Backup Hyper-V Clusters without any interruptions, even when the backed up VMs are moved from one host to another.

Hyper-V VM Replication: Replicate your Hyper-V VMs from one host to another. In the event of a disaster or system crash, you may simply failover your production workloads to the replica VMs and continue operations.

Support for CSV, S2D, SMB Share: Backup Hyper-V VMs whose data is stored on Cluster Shared Volumes (CSV), Storage Spaces Direct (S2D), SMB share – Standalone File Server, Clustered File Server & Scale-Out File Server (SOFS).

Near Continuous Data Protection: Schedule backups as often as every 15 mins for best RPO

Incremental backups: Vembu uses Resilient Change Tracking (RCT) and proprietary CBT driver to backup only the changed blocks since the previous backup

Application-Aware backup: Ensure consistent backups of VSS aware applications such as Microsoft Exchange Server, SQL Server, SharePoint and Active Directory

Advanced Retention Policies: Retain multiple recovery points that span days and years by periodically merging the restore points.

Backup level Encryption: Vembu provides end-to-end encryption (AES 256 bit) and lets you encrypt the data at rest and in flight through customized password

Automated Backup Verification: With the latest available recovery point, the backup data is automatically booted as a VM to verify its recoverability.

Optimized Backup with Where-it-left-off: Backup data can run more efficiently even if there is network failure or other interruptions during backup.

GFS (Grandfather-Father-Son) Retention: Create restore points on a weekly, monthly, quarterly, and yearly basis.

Synthetic Full Backup: Vembu creates synthetic full backup by merging full and subsequent incremental in the repository without running an additional full backup.

Disaster Recovery & Monitoring

Vembu Offsite DR

Store a secondary copy of your backup data with period replication from your BDR Backup Server to your datacenter in an offsite location

- Instant Boot VM
- Download backup images
- Configure backup window
- Cross-Platform Migration
- Efficient Storage Management

Vembu Cloud DR

Replicate a copy of your backup data from your BDR Backup Server to Vembu Cloud.

- Secure cloud storage
- Bandwidth throttling
- Flexible retention policies
- File level Recovery
- Download Backup Images

Vembu BDR 360

Centralized tool for monitoring that provides end-to-end visibility to all the backup jobs configured using the Vembu BDR Suite with features like:

- Email Alerts
- Instant Notifications
- Group Management
- Connectwise Integration
- Email Alerts & Instant Notifications

Recovery

Instant Boot VM with Live Migration: Reduce your RTO to mins by instantly booting your Hyper-V VM backup data as a VM on any hypervisors like VMware or Hyper-V or KVM & migrate the instant boot VM to production in background.

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

File Level Recovery: Browse, search and instantly restore the required files and folders from the backup data

Disk Mount: Instantly access the entire machine data by mounting the backed up disk on the disk management of the BDR Backup Server

Download VMs and Disks: Download the backed up VMs in any of the following file-formats i.e. VHD, VHDX, VMDK, Flat-VMDK & RAW

Application Item-level Recovery: Granularly browse and recover the individual application items of Microsoft Exchange, SharePoint, SQL and Active Directory

Storage & Management

Offsite Copy/DR: Replicate a copy of your backup data from the onsite backup server to an offsite server of your own or to Vembu Cloud for Disaster Recovery

Archive backups on Tapes: Replicate a copy of your backup data to tape media for long-term archival

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

Efficient Storage Management: Vembu uses its proprietary VembuHIVE file system on top of the storage targets to enhance performance and scalability of the storage targets. It has in-built Compression, Deduplication, Encryption, Version Control and Error Correction.

Rotated Drives as Backup Repository: Vembu supports setting up rotated drives as the primary backup repository to use multiple external hard drives to store the backup data and swap them on a regular basis.

Email-Alerts: Enable email notifications to get alerts about the status of the configured backups (like success, failure, missed, etc.)

Group Management: Create multiple groups by selecting the hosts or VMs with multiple users for easier management.

Getting Started

Download Vembu BDR Suite and Start the 30 days free trial version. After the trial period, you can either opt to purchase the product or continue using the free edition.

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