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 VMware

Vembu Backup & Replication for VMware is designed to protect the VMs running on VMware ESXi and vCenter Server. Vembu uses the vSphere APIs for Data Protection (VADP) to provide agentless image-level backup and replication for the VMware VMs. The multiple recovery options of Vembu BDR Suite give you the flexibility to recover your backup data in a variety of ways, from instantly booting your backup VM to granular recovery application items or files & folders.

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

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"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

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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 VMware Backup: Backup single or multiple VMs from your ESXi host/vCenter server without installing any agent inside each VM

Near Continuous Data Protection: Schedule backups as often as every 15 minutes for lesser RPO

Incremental backups: Backup only the blocks that have changed since the previous backup in the successive schedules

Application-Aware backups: Ensure application-consistent backups of Microsoft applications and Oracle databases

Backup Proxy: Distribute the load on the BDR Backup Server by using a Backup Proxy for your backup jobs

Transport modes: Vembu supports VMware transport modes - SAN, Hot-Add, and Network mode (NBD & NBDSSL) for data transfer

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

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

Flexible Retention Policies: Create version or time based restore points by periodically merging the incremental backups together

GFS(Grandfather-Father-Son) Retention: Create GFS restore points using full or incremental backups 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.

Replication

Agentless VM Replication: Replicate your VMware VMs from one ESXi to another and get hold of your mission-critical VMs to stay periodically synced as the original

Failover & Failback: Instantly failover and failback the replicated VM at the time of system crash or disaster to reduce business downtime

Network Mapping: Maps production host network and IP address with the DR host network to avoid manual labour during the failover of replicated VMs

Re-IP Settings: For differing IP addressing schemes between production site and the DR site, use IP rules for the Replica VMs.

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: Reduce the RTO by instantly booting your backed up VMware VM on any hypervisors and later migrate to production with all the changes

Full VM Recovery: Permanently restore the backed up data as a VM to the same or different ESXI hosts

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

Disk Mount: Instantly access the backed up disks by mounting the backup data on the Disk Management Service of the BDR Backup Server through Vembu Virtual Drive

Disk Level Recovery: Restore backed up VMs at disk level to another VMs in an ESXi host

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 BDR backup server to an offsite server of your own or Vembu Cloud for disaster recovery.

Archive backups on Tapes: Store 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 file system-VembuHIVE for storing the backup data, which has in-built encryption, compression, version control, and error correction.

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.

Automated Backup Verification: With the latest available recovery point, the backup data is mount checked and boot checked to verify its recoverability

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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