Hyper-V Backup - Standard edition
Vembu Technologies

Experience
100+ Countries
Headquartered in Chennai
Vembu BDR Suite

Vembu BDR Suite is a portfolio of products designed to backup multiple environments from virtual to physical to cloud while addressing diverse and advanced use cases.

- **VMBackup**: Backup & Replication for VMware and Hyper-V
- **ImageBackup**: Backup & BMR for Physical Windows Servers and Desktops
- **NetworkBackup**: Backup for files/folders & applications
- **OffsiteDR**: Replicate a copy of your backup data off-site.
Understanding RPO and RTO

**RTO (Recovery Time Objective)**
Time duration to recover a backed up machine after disaster

**RPO (Recovery Point Objective)**
Until which point in time you can recover the machine data after disaster

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Recovery Time Objective (RTO)

- The time taken for a business to recover from the occurrence of a disaster is RTO
- Downtime is not something every business can afford
- With Vembu, you can recover your virtual machines within a matter of minutes
- Vembu adheres to the industry best RTO and RPO of <15 minutes
Recovery Point Objective (RPO)

- The RPO for your business can be set by the maximum amount of data that you can afford to lose if disaster strikes.
- With Vembu, you can retain even years worth of data.
- You can also backup as frequently as every 15 minutes.
- Also, near Continuous Data Protection ensures that you don’t lose even minutes’ worth of data.
On-premise Deployment - Simple

- Ideal setup for businesses looking to manage backups within their premises
- Setup DR site in your local environment and backup via LAN connections
- Configure and manage backup jobs from BDR Backup Server GUI
- Backup VMs to the local storage repositories
Hybrid Deployment - Scenario 1 (OffsiteDR)

- This deployment is recommended for large environments
- Setup DR site in your local environment and backup via LAN connections
- Send another copy of backup data to your own datacenter via LAN/WAN connection
- Ensure a disaster-resistant environment by signing up for Vembu OffsiteDR
Hybrid Deployment - Scenario 2 (CloudDR)

- This deployment is recommended for large environments
- Setup DR site in your local environment and backup via LAN connections
- Send another copy of backup data to Vembu Cloud via WAN connection
- Ensure a disaster-resistant environment by signing up for Vembu CloudDR
Remote office/Branch office

- Setup Vembu BDR backup server and Vembu Offsite DR server in remote office as well as branch office
- Sync backup data between both the locations
Product Highlights
Top Features

- Cluster support can help you ensure high availability for your Hyper-V VMs
- Host level Hyper-V backup is designed to protect Microsoft Hyper-V Servers
- CBT enabled incremental ensures high performance incremental backup
- Transaction log files can be truncated, if enabled. If not, then they can accumulate until they fill all the available disk space
Compression and Encryption

- The backup data is compressed to reduce the storage needs
- The backup data is also encrypted using AES 256 algorithm both in-flight and at rest
- Users can save multiple customized encryption passwords along with a unique hint to ensure double protection for the backed up data
**Efficient Storage Management**

Vembu BDR Backup Server utilizes VembuHIVE™ file system to effectively manage storage repositories.

- Supports SAN, NAS and DAS
- Automatically scale up/out the storage devices
- In-built version control and error correction
- In-built Compression & Encryption
Migration Plan (P2V and V2V)

Vembu supports migration of machines from one environment to another.

- Vembu supports instant creation of VMDK, VHD and RAW files for backed up virtual/physical machines
- Users can instantly start migrations like P2V (Physical to virtual) and V2V (between virtual environments)
Vembu Universal Explorer

It is a tool that helps you recover individual items from various Microsoft Application backups like Exchange, SQL, SharePoint and AD.

- Instantly restore emails/mailboxes from MS Exchange
- Instantly restore MS SQL databases and tables
- Restore documents of MS SharePoint
- Granularly recover MS Active Directory items
Managing Backup Jobs

Using Vembu, you can automate the backup process by scheduling through the web console. Once set, the incrementals will run as per the configuration and no manual intervention is required.

- Add backup schedule window settings if you don't want to run incrementals during non working hours
- Auto Authorization feature ensures that only the authorized clients can connect to the BDR
- Bandwidth Throttling enables you to limit the bandwidth used by the backup process from the client machine
Architecture - Hyper-V Backup

- Vembu VMBackup Client/Proxy is a transport software, which sits on the source Hyper-V Server and is used to process the VM data
- Vembu VMBackup Client works as a proxy between Hyper-V Server and Vembu BDR Backup Server
- Vembu VMBackup Client/Proxy backs up the VM data from the storage location and compresses, encrypts and delivers it to the Vembu BDR Backup server's storage repository
Quick VM Recovery on any hypervisor

Instantly boot the backed up VM on VMware, Hyper-V and KVM by mounting to Vembu Virtual Drive.
Live VM Recovery

Restore the backed up VM permanently to the same or different ESXi host, Hyper-V host or KVM host
File Level Recovery

Restore files/folders from the backed up VM instantly without having to restore the entire backed up VM

VMware
Hyper-V

Vembu BDR Server

Folder
Instant Item Level Recovery - Vembu Universal Explorer

Vembu Universal Explorer helps you restore Exchange mails, SQL database/tables, SharePoint documents and AD Users/Roles granularly.
Vembu Virtual Drive

- Vembu Virtual Drive will be available in Vembu BDR Backup Server machine and for every VM, it will create an IMG, VHD, VHDX, VMDK, VMX and RAW files instantly.

- For every incremental schedule, full virtual hard disk files will be created without using any additional storage.
Licensing & Pricing
Licensing

**Subscription**
- Vembu offers licensing options for 1, 2, 3 and 5 years
- 24/7 support and major/minor upgrades included

**Perpetual**
- One time purchase with upgrades and support for one year
- AMC of 20% of license fee to be paid for continued support & updates

**Available Editions**
- Free
- Standard
- Standard Essentials
- Enterprise
- Enterprise Essentials
Pricing

- Vembu offers five pricing editions with features that cater to different levels of business requirements

- Check pricing here
  
  https://www.vembu.com/vembu-bdr-suite-pricing/
Thank You

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