

Vembu VMBackup for VMware vSphere and Microsoft Hyper-V

Vembu VMBackup provides faster and more efficient VMware and Hyper-V backups for small & medium businesses with enterprise level features. With RPO and RTO less than 15 minutes, VMBackup provides instant VM recovery options which ensures high availability and business continuity. Vembu VMBackup is specifically orchestrated and developed for virtual environments as an easy to use product at affordable cost.

“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

Protected Environments

VMware infrastructure

Platforms

- vSphere 6.7, 6.5, 6.0, 5.x, 4.x

Management Server

- vCenter Server 6.7, 6.5, 6.0, 5.x, 4.x

Virtual Machines

- All OSs supported by VMware

Microsoft infrastructure

Platforms

- Windows Server 2016, 2012 R2, 2012, 2008 R2

Hosts

- Windows Hyper-v Server 2016, 2012 R2, 2012, 2008 R2

Virtual Machines

- All OSs supported by Microsoft Hyper-V

Vembu VMBackup features

Backup

Agentless VMware and Hyper-v Backup: Eliminates VM level proxy client installation and provides centralized backup management from Vembu BDR backup server

VMware Hot-Add and SAN transport mode: Vembu VMBackup provides fast, secure and LAN free data transfer using VMware transport modes

CBT enabled VMware and Hyper-V incremental backups: Efficient block level pure incremental backup processing using VMware VADP and Vembu CBT Driver for VMware and Hyper-V environments respectively

Application-aware VM Backups: Uses application specific VSS writers to take consistent snapshots during the backup of highly transactional applications and log files are truncated at the the end of backup

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

Native Tape Support: Replicate a copy of data from BDR Server to Tape Server for long-term archival and offsite storage to maintain an efficient DR plan

Backup Level Encryption: The user can save multiple customized encryption passwords along with its unique hint and choose from them in the encryption settings page or while configuring the backup.

Automated Backup Verification: VMBackup automatically boots the backed up VMs and the screenshot of the booted VM will be captured and emailed to the administrator

OffsiteDR & CloudDR for Disaster Recovery: Replicate a copy of the backup data to your self-maintained offsite data center or to Vembu Cloud for disaster recovery purpose

VM Replication

Agentless VM Replication: VMware VMs can be replicated from source to target ESXi or vSphere environment without installing any proxies in Host or VM

Failover and Failback: VMBackup provides the option to instantly failover and failback the replicated VMs to the source or different host

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

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
- ✓ Instant Notifications
- ✓ Group Management
- ✓ Image Verification Reports

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

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

Recovery

Quick VM Recovery: Recover the backed up virtual machines instantly on any hypervisor like Hyper-V, VMware and KVM. This helps to ensure an RTO of <15 minutes

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

Live VM Recovery: Recover the backed up VMs permanently to the same or different ESXi host, vCenter Server or Hyper-V Server

Disk Level Recovery: Restore backed up VMs at disk level where backed up virtual disks can be restored to target VMs in an ESXi host

Disk Management mount: Recovers the mounted VHD, VHDX, VMDK, Flat-VMDK, RAW file format in the disk management of local machine through Vembu Virtual drive

Cross Platform Migration: The user can easily download the backed up data in various file formats as per requirement like VHD, VHDX, VMDK, VMDK-FLAT and RAW, which can be later used for V2V and V2P migrations

Storage & Management

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 built-in compression, encryption, version control and error correction

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

Compression & Encryption: The backed up data is encrypted and compressed before being stored in the backup server which reduces the storage space consumed

Web Console: All Windows Image backups can be managed easily by using the user-friendly web based interface

E-Mail Notification: The status of the configured image backups (like success, failure, etc.) will be notified to the user instantly through an email

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