

Vembu ImageBackup for Windows Servers, Desktops and Laptops

Vembu ImageBackup provides easy, secure and reliable backup of Windows Servers and Workstations hosted in physical IT environments by allowing the IT admins to backup the entire system image of the physical windows machine. Users can also initiate the instant recovery of a complete system on any Hypervisor during a system crash or disaster and the Bare-metal Recovery (BMR) of Vembu ImageBackup helps to recover the backed up Windows machines on same or new hardware. IT admins can also keep a redundant copy of their backed up data to an offsite or cloud locations for disaster recovery.

“Vembu ensures availability of our core productions 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

“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

Protected Environments

Microsoft Platform

- Windows XP SP2* and above
- Windows 2008* and above

Vembu ImageBackup Features

Backup

Disk Image Backup from BDR Server: The user can configure the disk image backup of Physical Windows Servers and Workstations directly from the Vembu BDR Server console

Physical Windows Servers and Workstations Backup: Backup entire disks or any selected volumes of the Windows Servers and Workstations deployed in physical environments

Full Image Backup: Backup entire physical machine to protect everything like operating system, applications and data to ensure the business continuity

CBT enabled incremental backups: Using Vembu’s own proprietary CBT driver, changed blocks alone will be backed up after initial full backup

Near Continuous Data Production: Option to run image backup job every 15 minutes to get RPO (Recovery Point Objective) less than 15 minutes

Application-aware Image Backups: During each backup schedule, Microsoft Applications writer consistency is verified to ensure the consistency of the Microsoft applications such as Exchange, SQL, SharePoint and Active Directory and also truncate the transaction logs automatically.

Retention Policies: Basic and Advanced (GFS) retention policies helps to maintain multiple recovery points for data restore and to effectively manage the backup data storage size

Backup level Encryption: Enable Encryption Settings for individual backup jobs through unique passwords for securely accessing and restoring the data

Automated Backup Verification: Backed up Windows Workstations will be booted as virtual machine with latest available recovery point and the screenshots of the booted screen will emailed to the administrator

OffsiteDR & CloudDR for Data Redundancy and Disaster Recovery: Replicate a copy of physical ImageBackup data to your self-maintained offsite data center or to Vembu Cloud

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

Physical IT Environment monitoring and management 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 windows machines instantly on any of the hypervisors like Hyper-V, VMware and KVM without restoring the entire VM data ensuring the RPO lesser than 15 Minutes

Disk/Partition Recovery: Recover selected volumes or disks to the same or different machine

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

Disk Management Mount: Users can get access the disks of the backed up machines by mounting the backup data on the disk management of local machine through the Vembu virtual drive

Cross platform Migration (P2V): Vembu helps to migrate backed-up Windows Server to VMware, Hyper-V and KVM environments

Bare-metal Recovery: The entire system can be restored from the Backup data to same or new hardware using Vembu Recovery CD

Vembu Universal Explorer: Be it physical or virtual machine data, Vembu Universal Explorer recovers application items from Microsoft Exchange, SharePoint, SQL and Active Directory

Storage & Management

Efficient Storage Management: Vembu uses its own **VembuHIVE** file system on top of the storage targets to enhance the performance and scalability of the storage targets. It has built-in compression, encryption, version control, and built-in 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

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

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

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