

Vembu ImageBackup for Windows Server

Vembu ImageBackup is a data protection and Disaster Recovery solution designed to meet the needs of physical Windows Servers for small and medium businesses. It backs up entire system image or individual volumes of the physical machine and also initiates instant recovery of a complete system with built-in P2V migration support. During system crash or any major disaster, Bare-metal Recovery (BMR) of Vembu ImageBackup helps to recover the backed up Windows machine into a same or new hardware. With Vembu replication, the user can keep a redundant copy of their data to offsite or cloud locations. With RPO and RTO less than 15 minutes, IT Managers can now initiate complete physical or virtual system restore in minutes.

“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

“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 Windows Server 2016
- Microsoft Windows Server 2012 R2
- Microsoft Windows Server 2012
- Microsoft Windows Server 2008 R2
- Microsoft Windows Server 2008
- Microsoft Windows Server 2003 R2 SP2
- Microsoft Windows Server 2003 SP2

Windows Server ImageBackup features:

Backup

Physical Windows Server Image Backup: Backup entire disk image or any selected volumes of the Windows Server deployed in physical environments.

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

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, it verifies Microsoft Applications writer consistency

Log Truncation: Vembu ImageBackup reduces the overflow of storage space by automatically truncating the transaction logs after performing a successful backup.

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

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

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

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

Recovery

Quick VM Recovery: Backed up physical image can be booted instantly in VMware, Hyper-V and KVM environments without any manual driver injections or conversion tool assistance

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

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

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

Instant File Recovery: Individual files and folders of the Windows Server can be instantly restored from system image backup without restoring the whole machine

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

Partition Level Recovery: Recover selected volumes or disks alone to the same or different machine

Download Option: User can easily download the backed up physical machine data to various file formats as per the requirement like VHDX, VHD, VMDK, VMDK-FLAT and IMG

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.

Compression & Encryption: During the backup, the data is compressed to reduce the amount data transfer over the network and also at-rest to save the storage space. Then the backup data is encrypted using AES 256 bit encryption algorithm both at fly and rest

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

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

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

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