# Free Hyper-V Backup using Vembu VMBackup Free Edition

Microsoft Hyper-V is becoming a tough competition for VMware vSphere ever since Microsoft unveiled the free hypervisor alongside Windows OS. Nowadays, IT Admins are switching over to Hyper-V due to its new and improved functionality. Vembu VMBackup for Microsoft Hyper-V provides faster and efficient backups with enterprise-level features for SMBs. With RPO and RTO less than 15 minutes, VMBackup provides faster VM recovery options which ensures high availability and business continuity.

Vembu BDR Suite comes with a 30 days of free trial with no restriction to any of its features and after the 30 days trial period the user must purchase the licenses to continue using all the features or else the user can opt for the Free edition of Vembu BDR Suite to continue using it. The free edition comes with two options. The user can choose between unlimited features - limited VMs (upto 3) or limited features - unlimited VMs

*" Vembu ensures availability of our core productions systems that support Mackie's business operations. 24×7 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**

## Supported Hyper-V Environment

### Hosts

- Microsoft Windows Server Hyper-V 2016
- Microsoft Windows Server Hyper-V 2012 R2
- Microsoft Windows Server Hyper-V 2012
- Microsoft Windows Server Hyper-V 2008 R2

# Features of Hyper-V Backup

## Backup

**Agentless Hyper-V Backup:** Backup all virtual machines running on Hyper-V server without installing any agent inside each VM

**Full VM Backup:** Protect entire VM including operating system, application and data of virtual machine running on a Hyper-V environment in a single pass to ensure business continuity

**VMs Stored In SMB Share:** Backup all the virtual machines on Hyper-V host which are stored in the SMB shared volumes

**Backup Scheduling Options:** Different scheduling options help to configure the backup schedules based on how frequently the successive backups are to be performed.  User can choose from Hourly/Daily/Weekly options for the backup schedules from the console

**Application-aware Backup:** During each backup schedule, Microsoft Applications writer consistency is checked to ensure the consistency of the Microsoft applications such as Exchange, SQL, SharePoint and Active Directory

**Log Truncation:** Vembu VMBackup reduces the overflow of storage space by automatically truncating the Exchange transaction logs after performing a successful VM backup

## Recovery

**Full VM Recovery to Hyper-V host:** Permanently restore the backed up virtual machines to the same or different Hyper-V host

**Quick VM Recovery:** Backed up VM data can be recovered instantly in VMware, Hyper-V and KVM environments without restoring the entire VM

**File level Recovery:** Without restoring the entire virtual machine, individual files and folders can be recovered from the backed up VM data

**Download:** The backed up data can be downloaded to various file formats like VHD, VHDX, VMDK, VMDK-FLAT and RAW which can later be used for V2V and V2P migrations

**Cross Platform Migration:** Using Vembu VMBackup, the backed up Hyper-V VMs can be easily migrated to other hypervisors and vice versa. Similarly, the physical servers can also be migrated to Hyper-V Servers

## Storage & Management

**Platforms**

- Microsoft Windows Server 2016
- Microsoft Windows Server 2012 R2
- Microsoft Windows Server 2012 R2 core
- Microsoft Windows Server 2012
- Microsoft Windows Server 2008 R2
- Microsoft Windows Server 2008 R2 Core

**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 the Hyper-V backups can be managed easily using the user-friendly web console based interface

**Backup Group Management:** The backup jobs are grouped under various categories and the groups are managed easily from the BDR server console

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

## Vembu Universal Explorer

**Vembu Explorer for Microsoft Exchange:** Instantly restore Exchange user mailboxes, emails, contacts, etc. from backed up VMware VMs without restoring entire Exchange server. Supports MS Exchange Server 2003, 2007, 2010, 2013 and 2016

**Vembu Explorer for Microsoft Active Directory:** Instantly restore Active Directory objects, GPOs,  etc. without restoring entire MS Active Directory. Supports Active Directory Server 2008 R2 STD, 2012 DC , 2012 R2 DC

**Vembu Explorer for Microsoft SQL Server:** Instantly restore SQL database and tables without restoring entire SQL database. Supports MS SQL Server 2005, 2008, 2008 R2, 2012, 2014, 2016

**Vembu Explorer for Microsoft Sharepoint:** Instantly restore SharePoint site collections, documents, etc. without restoring entire SharePoint. Supports Microsoft SharePoint Portal Server 2003,2007,2010,2013

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