

Offsite Replication Using Vembu OffsiteDR

Vembu OffsiteDR allows IT admins to replicate the backed up data from backup server to their OffsiteDR installed server on their own data center. In any case of disaster or backup server corruption or crash, the replicated data can be restored directly from the OffsiteDR which is similar as restoring from the backup server. This makes it possible to rebuild the entire infrastructure in minimal time.

“Vembu ensures availability of our core production 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 Environments

Microsoft infrastructure

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

Linux infrastructure

- Ubuntu 16.04 LTS (64 Bit)
- Ubuntu 14.04 LTS (64 Bit)
- Ubuntu 12.04 LTS (64 Bit)

Vembu OffsiteDR features

Replication

Live Data Transfer: Instantly transfer data from backup server to your very own OffsiteDR Server. Live DATA transfer enables seamless transaction between servers so that OffsiteDR Server stays updated instantaneously

Instant Disaster Recovery: Entire backup server can be rebuilt from scratch with the help of data from OffsiteDR server. An on-premise server is rebuilt within minutes

Highly Secure AES 256 Bit Encryption: Data replicated to OffsiteDR server is highly secure and reliable. With federally acclaimed AES 256 bit encryption, data is kept highly secured during replication and also at-rest

High Availability: Vembu once again ensures the Availability of any business through OffsiteDR. The backed up data from the local server will be replicated to an OffsiteDR server and in any case of disaster, the backup data will be restored as similar as restoring from Vembu BDR server

Bandwidth Throttling: Vembu OffsiteDR allows you to throttle the speed of backup data transfer, which in-turn reduces the network traffic during peak timing. The

Retention policies: Any number of daily merged recovery points can be maintained for the replicated data in Vembu OffsiteDR server.

Replication Schedule Window: Vembu OffsiteDR provides a schedule window by which one can stop the replication process from running, for a certain period of time

Recovery

Quick VM Recovery: Instantly recover the replicated backup image data as ready-state VMs on VMware or Hyper-V or KVM servers. Quick VM recovery helps in maintaining business continuity with minimal downtime

Full VM recovery to ESXi or Hyper-V server: The replicated backup data of Hyper-V or VMware VMs can be permanently restored to an ESXi or Hyper-V host directly from the OffsiteDR server

Instant File Level Recovery: Auto attach the replicated data to Disk Management of local machine and granularly recover the required Files/Folders instantly from the OffsiteDR server

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

Bare-Metal Restore: Restore the replicated image data to the same or new hardware using Vembu Recovery CD

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
- ✓ 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

Download: Multi-format restore is available for any image based backup of a Physical/Virtual machine. The file formats like VHD, VMDK, VHDX, VMDK-FLAT and RAW can be downloaded from the OffsiteDR server as per the requirement

Vembu Universal Explorer

Vembu Explorer for Microsoft Exchange: Instantly restore exchange user mailboxes, emails, contacts and etc. without restoring entire VM data

Vembu Explorer for Microsoft Active Directory: Instantly restore Active Directory objects and GPOs and etc. without restoring entire Active Directory server

Vembu Explorer for Microsoft SQL Server: Instantly restore SQL database and tables without restoring entire SQL server

Vembu Explorer for Microsoft Sharepoint: Instantly restore SharePoint site collections, documents and etc. without restoring entire SharePoint server

Storage & Management

Efficient Storage Management: Vembu uses its own proprietary filesystem VembuHIVE on top of the storage targets to enhance the performance and scalability of the storage devices. It has built-in compression, encryption, deduplication and built-in error correction

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

Compression : The backed up data are compressed before storing it on the backup server in order to reduce the storage needs

Cross Platform Migration: Using Vembu OffsiteDR, the replicated data of VMware or Hyper-V VMs can be easily migrated to other hypervisors and vice versa. Similarly, the replicated data of physical servers can also be migrated to the Hyper-V or VMware server

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