Vembu Technologies

Experience

100+ Countries

Headquartered in Chennai
Vembu BDR Suite

Vembu BDR Suite is a portfolio of products designed to backup multiple environments from virtual to physical to cloud while addressing diverse and advanced use cases.

- **VMBackup**: Backup & Replication for VMware and Hyper-V
- **ImageBackup**: Backup & BMR for Physical Windows Servers and Desktops
- **NetworkBackup**: Backup for files/folders & applications
- **OffsiteDR**: Replicate a copy of your backup data off-site
Vembu Cloud Services

Vembu Cloud Services is a simple and cost-effective backup solution for small and mid-sized businesses. Users can protect their data residing in physical and virtual environments directly to Vembu Cloud.

**OnlineBackup**
Backup files/folders and applications directly to Vembu Cloud.

**SaaSBackup**
Backup SaaS applications like Office 365 and Google Apps to Vembu Cloud.

**CloudDR**
Replicate an additional copy of backed up data to Vembu Cloud.

**BDR360**
Monitor and manage all backups from a centralized portal.
Understanding RPO and RTO

RTO (Recovery Time Objective)
Time duration to recover a backed up machine after disaster

RPO (Recovery Point Objective)
Until which point in time you can recover the machine data after disaster
Recovery Time Objective (RTO)

- The time taken for a business to recover from the occurrence of a disaster is RTO
- Downtime is not something every business can afford
- With Vembu, you can recover your virtual machines within a matter of minutes
- Vembu adheres to the industry best RTO and RPO of <15 minutes
Recovery Point Objective (RPO)

- The RPO for your business can be set by the maximum amount of data that you can afford to lose if disaster strikes.
- With Vembu, you can retain even years worth of data.
- You can also backup as frequently as every 15 minutes.
- Also, near Continuous Data Protection ensures that you don’t lose even minutes’ worth of data.
Vembu VMBackup

- It caters to the needs of virtualized (VMware & Hyper-V) data centers
- Agentless VMware backup and replication with high-performance snapshots
- Agentless Microsoft Hyper-V backup with forever incrementals
- Optional Cloud Backup for data redundancy and disaster recovery
- Point-in-time persistent instant boot of backed up VMs
- Instant VM recovery
- Instant File-level Recovery
- Failover and Failback
- Instant granular recovery support for Exchange, SQL, SharePoint and AD
Vembu ImageBackup

- It caters to the needs of data centers with physical Windows servers
- Physical Server Image Backup for Microsoft Windows Servers & Workstations
- It can be configured and managed directly from Vembu BDR Server
- Application aware processing
- Optional Cloud Backup for data redundancy and disaster recovery
- Instant VM recovery on any hypervisor within few minutes
- Instant File-level Recovery
- Instant granular recovery support for Exchange, SQL, SharePoint and AD
- Bare-metal Recovery
Vembu NetworkBackup

- Endpoint backup for Windows, Mac & Linux
- Supports backup of File Servers and Applications (MS Exchange, SQL, SharePoint, Active Directory, Outlook, etc.)
- Offsite backup deployment support for Remote Office & Branch Offices
- Support for Hybrid Cloud (On-premise with optional cloud storage) deployment
- AES 256-bit Encryption, both at-rest and in-flight
- Advanced Retention policies
- Automatic scheduling and Bandwidth throttling for backups
Vembu OffsiteDR

- Send an additional copy of backup data to your own data center for DR
- Syncs backup data immediately
- Control over data transfer - Automatic scheduling and Bandwidth throttling
- Quick VM recovery
- Instant file-level recovery
- Rebuild Vembu BDR Backup Server from the secondary storage repositories
- Supports seed migration from BDR backup server to OffsiteDR Server
Vembu OnlineBackup

- Backup business-critical data directly to Vembu Cloud
- Backup desktop/laptops, File Servers, Microsoft Exchange, SQL-Server, SharePoint, Outlook, Active Directory, etc. to Vembu Cloud
- A single solution for your Windows, Mac & Linux
- End-to-end encryption
- Perform granular recovery of files, folders, emails, mailboxes and tables
Vembu SaaSBackup

**Google Apps**
- Backup entire mailbox of the users (Inbox, Sent-Items, Deleted, Drafts, user created labels)
- Chat, Contacts and Calendars
- All documents from Google Drive

**Office 365**
- Backup entire mailbox of the users (Inbox, Sent-Items, Deleted, Drafts, user created labels)
- Contacts, Calendars
- OneDrive for business
Vembu CloudDR

- You can keep an additional copy of backup data on Vembu Cloud
- Vembu Cloud is deployed on Amazon Web Services across all continents
- Vembu Cloud Servers are running in clustered environment for high availability
- Restore anywhere and anytime
- Backup data is encrypted in-flight and at rest
Vembu Universal Explorer

It is a tool that helps you recover individual items from various Microsoft Application backups like Exchange, SQL, SharePoint and AD.

- Instantly restore emails/mailboxes from MS Exchange
- Instantly restore MS SQL databases and tables
- Restore documents of MS SharePoint
- Granularly recover MS Active Directory items
Vembu Recovery CD

- Perform Bare-Metal Recovery of the backed up physical machine
- Recover entire disk or a particular partition of the backed up virtual or physical machine
- BCD boot configuration to configure the corrupted boot sector
- Inject VMDK driver directly to backed up data
- Perform P2P and V2P platform migrations
Deployment
On-premise Deployment - Simple

- Setup DR site in your local environment and backup via LAN connections
- Backup VMs, Physical machines and applications to the local storage repositories
Cloud Backup

- Vembu Cloud servers are hosted in Amazon Web Services
- Install the client agent and backup directly to Vembu Cloud via WAN
Application Aware Process

Application-aware process is to create consistent database snapshots.

- This option allows you to stop the backup if any of the MS application writers are in an unstable state.
- Transaction log files can also be truncated. If not, then they can accumulate until they fill all the available disk space.
Compression and Encryption

- The backup data is compressed to reduce the storage needs.
- The backup data is also encrypted using AES 256 algorithm both in-flight and at rest.
- Users can save multiple customized encryption passwords along with a unique hint to ensure double protection for the backed up data.
Efficient Storage Management

Vembu BDR Backup Server utilizes VembuHIVE™ file system to effectively manage storage repositories.

- Supports SAN, NAS and DAS
- Automatically scale up/scale out the storage devices
- In-built version control and error correction
- In-built Compression & Encryption
Migration Plan (P2V and V2V)

Vembu supports migration of machines from one environment to another.

- Vembu supports instant creation of VMDK, VHD and RAW files for backed up virtual/physical machines
- Users can instantly start migrations like P2V(Physical to virtual) and V2V(between virtual environments)
Vembu BDR Suite - Architecture
Vembu BDR Backup Server

- BDR Backup Server can be installed on Windows and Ubuntu OS, on Windows or Linux based Physical or Virtual machines
- Virtual Appliance available for VMware vSphere & Microsoft Hyper-V
- VMware, Hyper-V and Image backups can be configured and managed from BDR Backup Server GUI
- Redundant copy of the backup data can be sent to own data center or to Vembu Cloud
- Configure and manage Storage Repositories
- Run backup and recovery verifications
Storage Repositories

- Works with SAN, NAS and DAS
- Backup data is compressed and encrypted before being stored in the repos
- Easily scale up when storage requirements increase
- Since Vembu uses its own file system (VembuHIVE File System), you can use various file systems in the same repository
- Backed up data is stored in the form of multiple chunk files, to improve the disk & application performance
- Configure and manage storage from the backup server
Vembu VMBackup Client (proxy)

- This client is used to backup VMware and Hyper-V virtual machines
- It works as a proxy between the hypervisors and Vembu Backup Server
- Applies compression and encryption before sending the data to BDR backup server
- Replicates VM data from one VMware vSphere/Microsoft Hyper-V to another for High Availability
- Agent can be installed on Windows based physical or virtual machines
Vembu ImageBackup Client (proxy)

- This client is used to backup Microsoft Windows Server, Desktops and Laptops
- ImageBackup Client agent needs to be installed on each physical servers and desktops which need to be backed up
- It creates the snapshot of the selected disks by using Microsoft VSS
- The snapshot is compressed and encrypted before leaving the source machine
- The changes are tracked after the initial full backup and only the modifications are transferred to the repos
- Agent can be installed on Windows based physical or virtual machine
Vembu NetworkBackup Client (proxy)

- This client is used to backup selected files/folders and applications such as MS Exchange, SQL, SharePoint, AD, Outlook, etc.
- It can be installed on Windows, Linux and Mac based physical or virtual machines
- This client agent needs to be installed on machines having files and applications
- Applies compression, encryption before sending the data to Vembu Backup Server
- Supports backing up files from network shares
Vembu OnlineBackup Client (proxy)

- This client is used to backup selected files/folders and applications such as MS Exchange, SQL, SharePoint, AD, Outlook, etc.
- The data is backed up directly to Vembu Cloud via WAN
- It can be installed on Windows, Linux and Mac based physical or virtual machines
- This client agent needs to be installed on machines having files and applications
- Applies compression, encryption before sending the data to Vembu Backup Server
- Supports backing up files from network shares
Vembu SaaSBackup

- Backup Google Apps and Microsoft Office 365
- You can signup an account in Vembu Cloud
- SaaSBackup agent will backup the selected user data by communicating with Google Apps/Office 365 through secured connection
- This client agent needs to be installed on machines having files and applications
- Applies compression, encryption before sending the data to Vembu Backup Server
- You can restore the backed up data anytime and anywhere
Vembu CloudDR

- Vembu Cloud Servers are running on highly secured Amazon Web Services across all continents
- The servers will be automatically scaled while receiving huge loads
- The servers run in clustered environment to avoid backup interruptions
- Vembu Cloud Servers accepts backup data directly from Vembu OnlineBackup clients and Vembu BDR Backup Servers as well
- Applies compression, encryption before sending the data to Vembu Backup Server
- Through centralized Vembu Customer Portal, you can manage and monitor all your backup jobs
Vembu Portal

- Sign up for Vembu Portal account to activate the license after trial period
- Purchase and Renew licenses
- Manage purchased licenses
- Track all your purchase and billing information
- Activate Vembu BDR Backup Server and Vembu OffsiteDR Server after trial period with Vembu Portal account
**Licensing**

**Subscription**

- Vembu offers licensing options for 1, 2, 3 and 5 years
- 24/7 support and major/minor upgrades included

**Perpetual**

- One time purchase with upgrades and support for one year
- AMC of 20% of license fee to be paid for continued support & updates
Pricing

- Vembu offers five pricing editions with features that cater to different levels of business requirements
- Check pricing here
  https://www.vembu.com/vembu-bdr-suite-pricing/
Thank You

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