vembu

Backup & Disaster Recovery

vembu

Backup & Disaster Recovery

15+ Years

100+ Countries

60,000+ Businesses

Vembu
Technology Partner

Vembu BDR Suite

Product Overview

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

Backup & Replication for **VMware**

Backup & Replication for **Hyper-V**

Backup for **Microsoft Windows**

Backup for **AWS**

Backup for **Microsoft 365**

Backup for **Google Workspace**

Backup for **File Servers**

Backup for **Endpoints**

Backup for **Applications**

Vembu Backup
for Microsoft Windows

Backup for **Microsoft Windows**

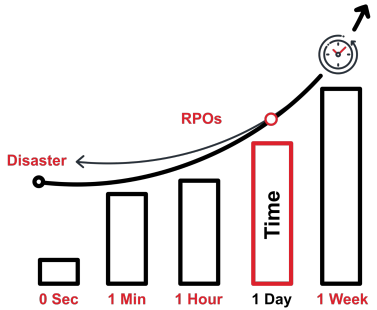
Vembu Backup for Microsoft Windows allows you to backup the entire disk or a selected partition of Windows machines including its Operating System(OS), boot information, system settings, applications, and files – even while the system is still being used.

- Disk-Image based backup for Windows Machines
- Supports backup for disks having more than 2 TB of data
- Supports Bare-metal Recovery (BMR)

Windows

Recovery Point
Objective (RPO)

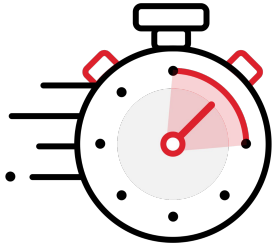
- The RPO for your business can be set by the maximum amount of data that you can afford to loose if disaster strikes
- With Vembu, you can also backup as frequently as every 15 minutes
- You can also retain even years worth of data
- Near Continuous Data Protection ensures that you don't lose even minutes'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



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 physical machines within couple of minutes
- Vembu adheres to the industries' best RTO and RPO of <15 min

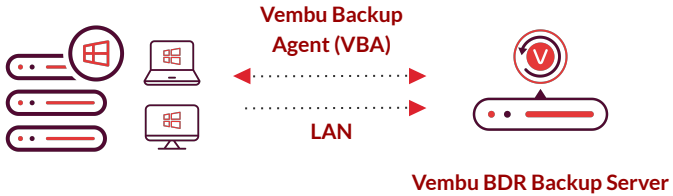


Vembu BDR Suite
Deployment

On-premise

Deployment - Simple

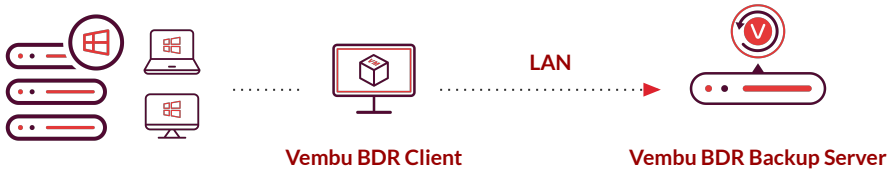
- Ideal setup for businesses looking to manage backups within their premises
- Setup BDR Backup Server in your local environment and backup via LAN
- Configure and manage backup jobs from BDR Backup Server GUI
- Using Vembu Backup Agent (VBA), backup Windows machines to the storage repositories attached to the backup server.



On-premise

Deployment - Distributed

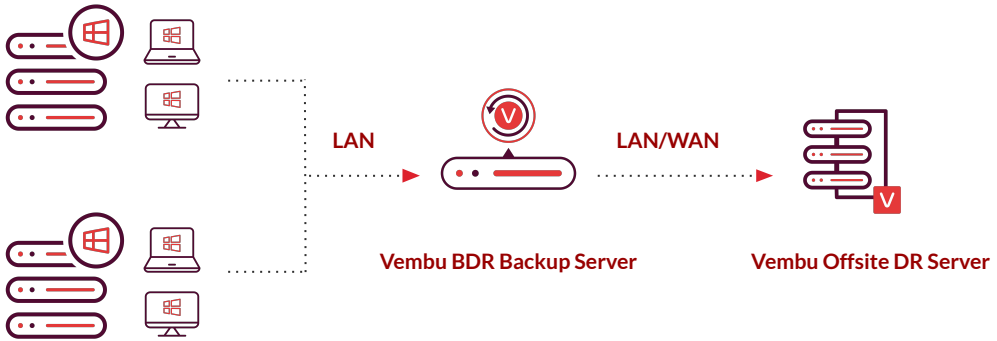
- This deployment is recommended for large environments
- Setup BDR Backup Server in your local environment and backup via LAN
- Vembu BDR Client can be used to configure and manage backup jobs
- Backup the Windows machines using client and store the backup data in the storage repositories attached to the backup server



Hybrid Deployment

Scenario 1 (Offsite DR)

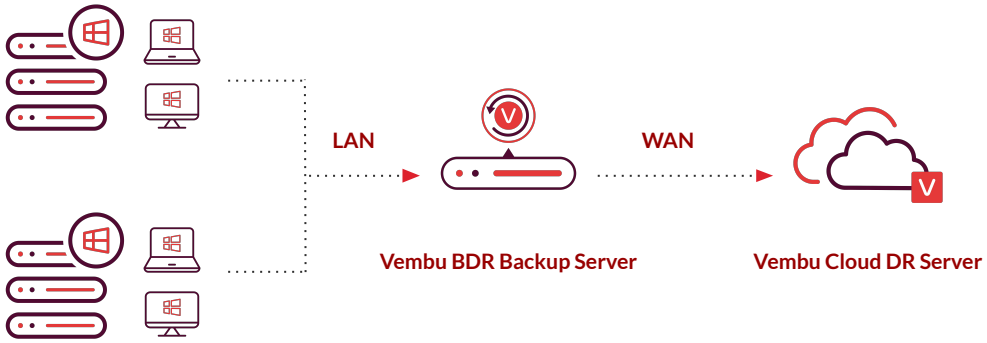
- This deployment is recommended for large environments
- Setup BDR Backup Server in your local environment and backup via LAN
- Send a copy of backup data to your secondary datacenter via LAN/WAN
- Ensure a disaster-resistant environment by installing the Vembu Offsite DR Server in your secondary datacenter



Hybrid Deployment

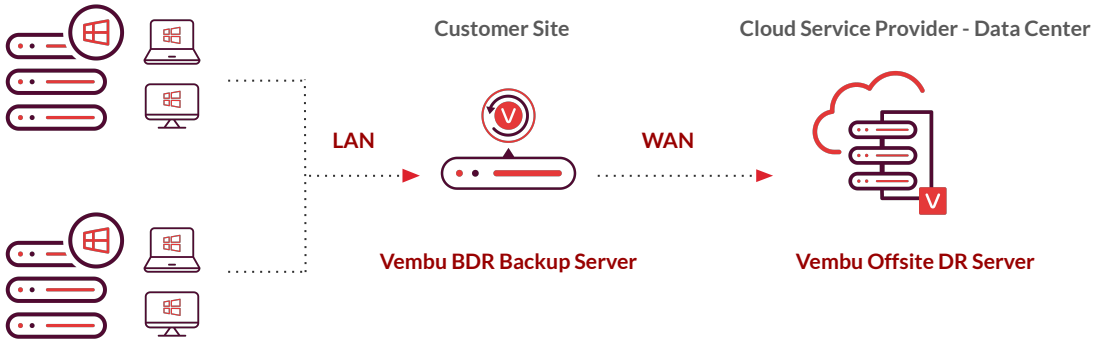
Scenario 2 (Cloud DR)

- This deployment is recommended for small and medium environments
- Setup BDR Backup Server in your local environment and backup via LAN
- Send a copy of backup data to Vembu Cloud via WAN connection
- Ensure a disaster-resistant environment by signing up for Vembu Cloud DR



Offsite (or) Remote
Deployment (CSP)

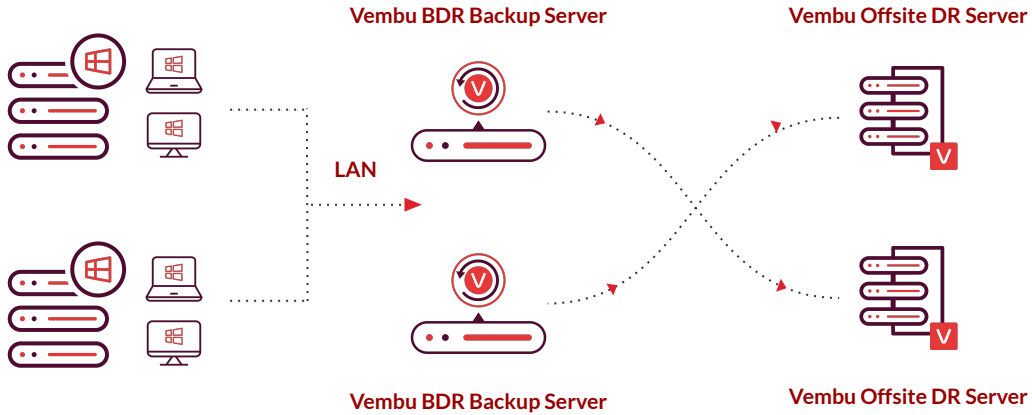
- Cloud Service Providers can host Vembu Offsite DR Server in their data center
- They can have a copy of backup data from the Vembu BDR Backup Servers to their data center over WAN



Remote office

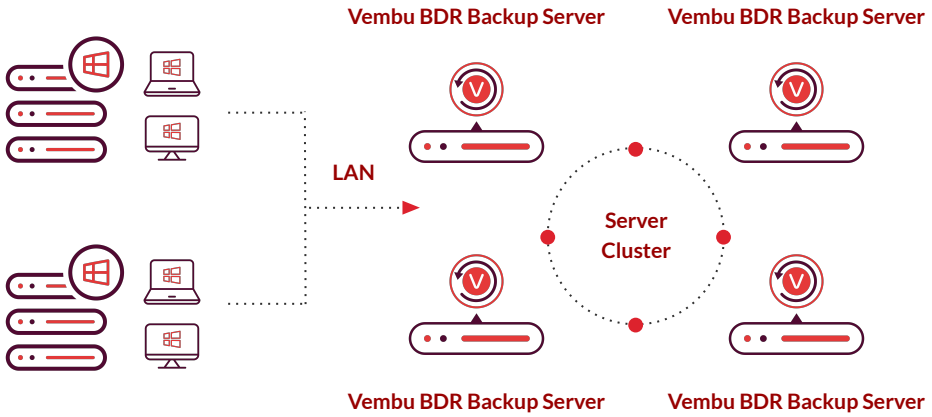
Branch office

- Setup Vembu BDR Backup Server and Vembu Offsite DR Server in remote office as well as branch office
- Sync backup data between both the locations



Backup Server
Clustering

- You can easily scale up the backup server when backup load increases
- Backup requests will be equally shared between each backup server



Vembu BDR Suite

Key features

Key Backup Features of Microsoft Windows Backup

Multi-host Backup

Create a backup job with multiple-hosts and configure to run parallel thus improving backup performance.

Dynamic Disk Backup

Vembu offers backup for dynamic disks in a Windows machine, and restore them granulary or mount the disks to the backup server.

Backup Disks Parallelly

Vembu now supports parallel backup of multiple disks from a single/ multiple hosts.

Synthetic Full Backup

Synthetic full backups are created in the backup repository by merging the full backup and all subsequent incremental backups in the backup repository itself

Native Tape Backup Support

Archive your backup data on tape drives for long-term retention.

Backup Job Template

The frequently used backup configuration settings or as per some predefined backup policies, you can utilize these templates to create new backup jobs quickly.

Key Recovery Features of Microsoft Windows Backup

RPO and RTO <15 mins

Minimize your downtime to less than 15 mins with quick VM recovery, disk mounts & granularly recover file/apps.

GFS Retention

GFS retention helps to create restore points on a weekly, monthly, quarterly, and yearly basis.

Multiple Recovery Options

Multiple restore options helps to restore the backup data granularly, perform cross-platform migration, instantly boot as VM, Download in various file-formats and also perform Bare-Metal Recovery

Instant Boot Live Migration

A permanent migration process where the virtual/ physical machine backup that is instantly booted as VM can be migrated as an independent VM to a targeted VMware Host.

Applications item-level Recovery

Granularly restore Microsoft applications at item level directly from the BDR Backup Server web GUI

Reliable Backups

Automated 3-tier backup verification – boot, mount & data integrity tests to ensure recoverability data.

Other Key Features of Microsoft Windows Backup

Efficient Storage Management

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

Compression

Built-in compression and deduplication to reduce the storage space with the ability to scale as & when required.

Backup Level encryption

Use system-generated passwords or add your own, to encrypt the backup data using AES-256 bit encryption algorithm.

Drive Rotation

It helps you to use multiple external hard drives to store the backup data and swap them on a regular basis.

Where it left off

Even if there is a network failure or other interruptions during backup, the backup will automatically restart from where it left off during the previous schedule

Reporting

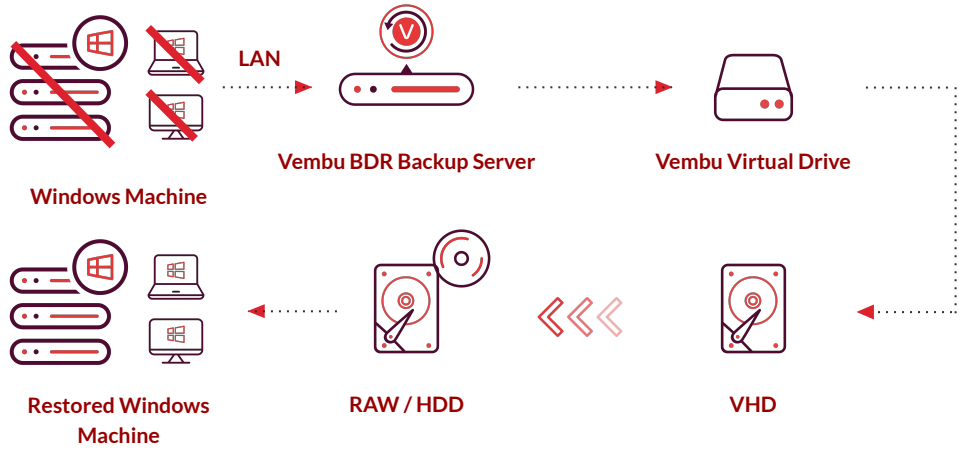
Users can manage all their backups with Backup Status Reports, VM Status Reports, Integrity Report and Restore Report

Vembu BDR Suite

Disaster Recovery Scenarios

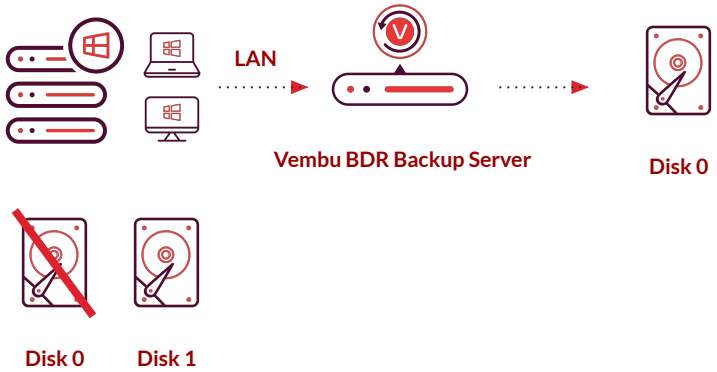
Bare Metal Restore (BMR) - (P2P)

- Restore the backed up physical machine by using Vembu Recovery CD for BMR
- Bare Metal Restore (BMR) is a physical to physical (P2P) recovery, that builds a machine from the scratch.



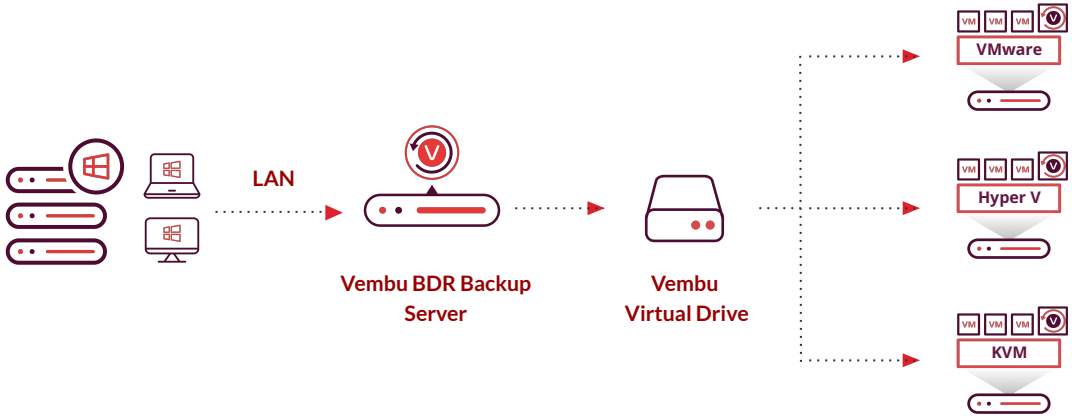
Disk/ Partition Recovery

- Restore only affected disks/partitions instead of restoring entire machine
- The backed up disk/partition can be restored to a new disk attached to the backup server.



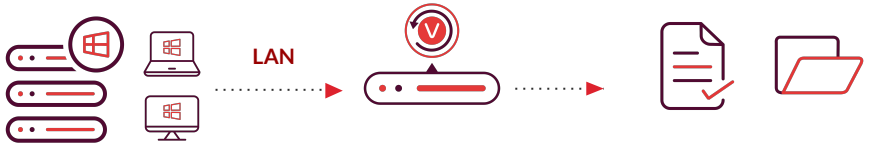
Instant Boot VM Recovery- (P2V)

- Instantly boot the backed up physical machine as a ready state VM on VMware/ Hyper-V/ KVM hypervisors by mounting the data through Vembu Virtual Drive



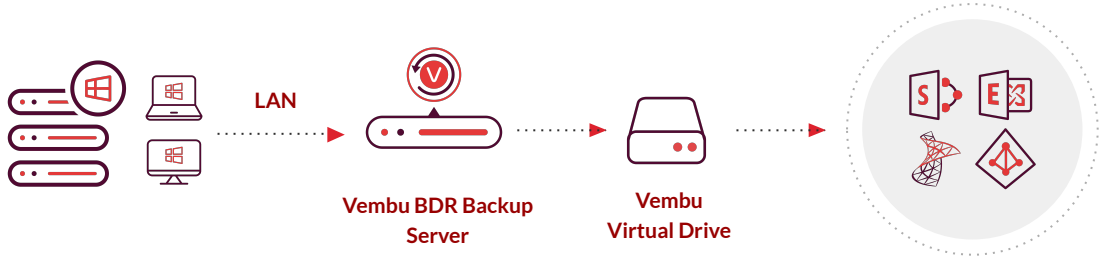
File Level Recovery

- Restore files/folders from the backed up machine instantly without having to restore the entire backed up image



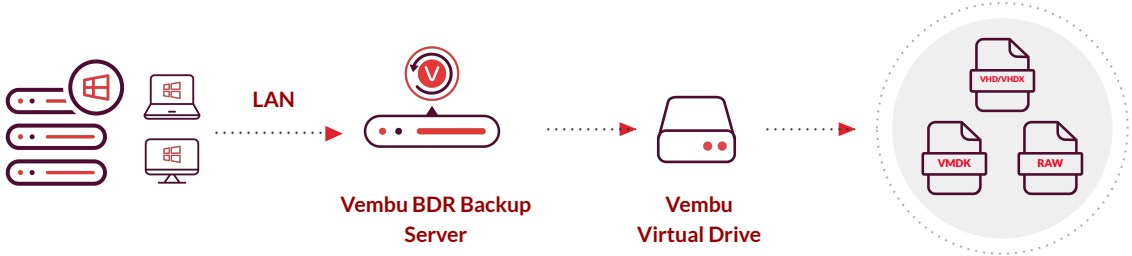
Application Item Level Recovery

- Vembu helps you to restore Microsoft applications i.e. MS Exchange mails, MS SQL database/tables, MS SharePoint documents and MS AD Users/Roles granularly



Vembu Virtual Drive

- Vembu Virtual Drive in Vembu BDR Backup Server stores the backup data in neutral file formats i.e. IMG, VHD, VHDX, and VMDK; with the help of the VembuHIVE™ file system
- For every incremental schedule, full virtual hard disk files will be created without using any additional storage



Vembu Backup for Microsoft Windows

Licensing Model

Licensing

Subscription

- Vembu offers licensing options at monthly & yearly subscriptions
- 24/7 support and major/minor upgrades included

Perpetual

- One time purchase with upgrades and support free for one year
- After 1 year AMC of 20% of license fee to be paid for continued support & updates

Available Editions

- Free
- Standard

Free Workstation Backup

- Backup entire disks or selected volumes of upto 10 Windows Workstations for free without any feature restrictions.

Backup for **Microsoft Windows**

	Workstation	Server
Subscription License *(Includes product updates, upgrades & standard technical support until subscription period)*	**$15** ***per workstation/annum***	**$60** ***per server/annum***
Perpetual License *(Free maintenance & support for 1st year)*	**$37.50** ***per workstation***	**$150** ***per server***

Thank You

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