

# vembu

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Backup & Disaster Recovery

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**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 & Replication for VMware

# Backup & Replication for VMware

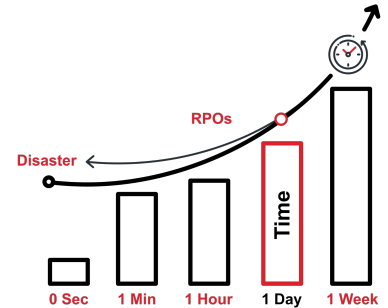
Vembu Backup & Replication for VMware delivers a powerful, flexible, and fully-featured backup solution that helps organizations to effectively meet the backup demands of their VMware vSphere environment.

- Agentless Image-level VM Backup
- VMware Replication for complete Site-level protection
- VMware Changed Block Tracking for incremental backups



# Recovery Point Objective (RPO)

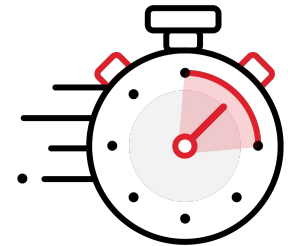
- The RPO for your business can be set by the maximum amount of data that you can afford to lose if disaster strikes
- With Vembu, you can also backup as frequently as every 15 minutes
- You can also retain even years worth of data
- Near Continuous Data Protection ensures that you don't lose even minutes'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





# Recovery Time Objective (RTO)

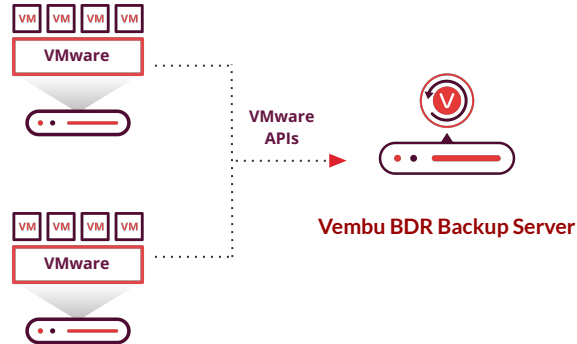
- The time taken for a business to recover from the occurrence of a disaster is RTO
- Downtime is not something every business can afford
- With Vembu, you can recover your virtual machines within couple of minutes
- Vembu adheres to the industries' best RTO and RPO of <15 min



# Vembu BDR Suite Deployment

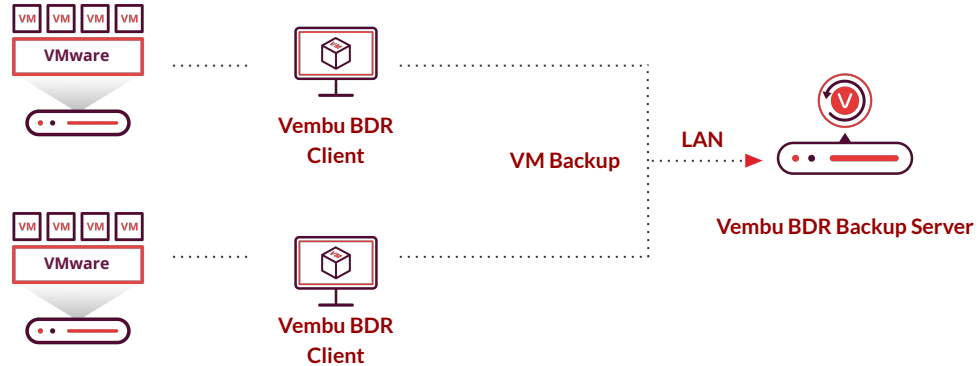
## On-premise Deployment - Simple

- 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
- Backup VMs to the storage repositories attached to the backup server



# On-premise Deployment - Distributed

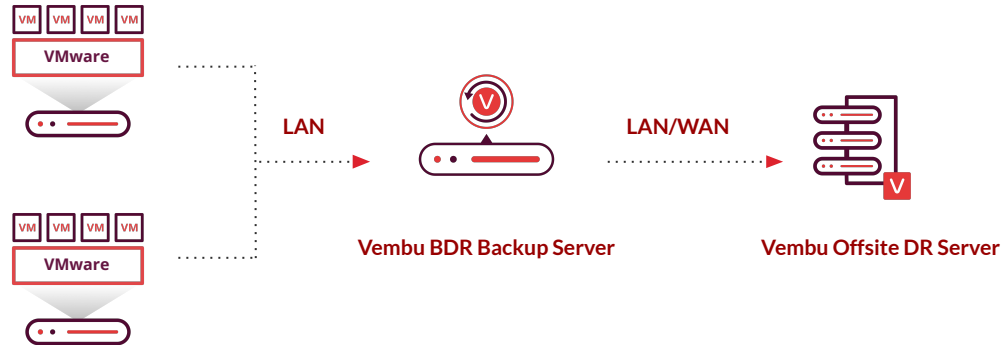
- This deployment is recommended for large environments
- Setup BDR Backup Server in your local environment and backup via LAN
- Vembu BDR Client can be used to configure and manage backup jobs
- Backup VMs to the storage repositories attached to the backup server



# Hybrid Deployment

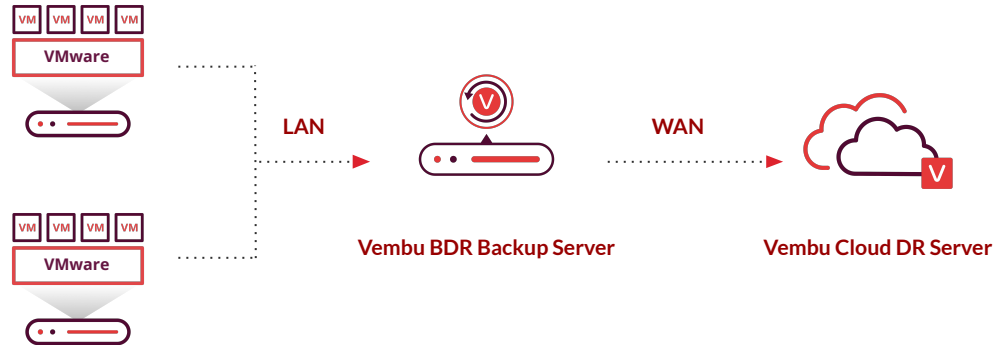
## Scenario 1 (Offsite DR)

- 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



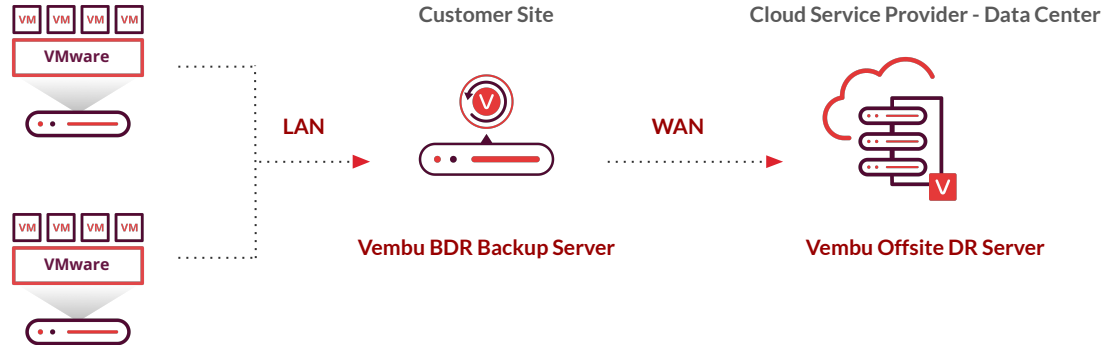
## Hybrid Deployment Scenario 2 (Cloud DR)

- 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



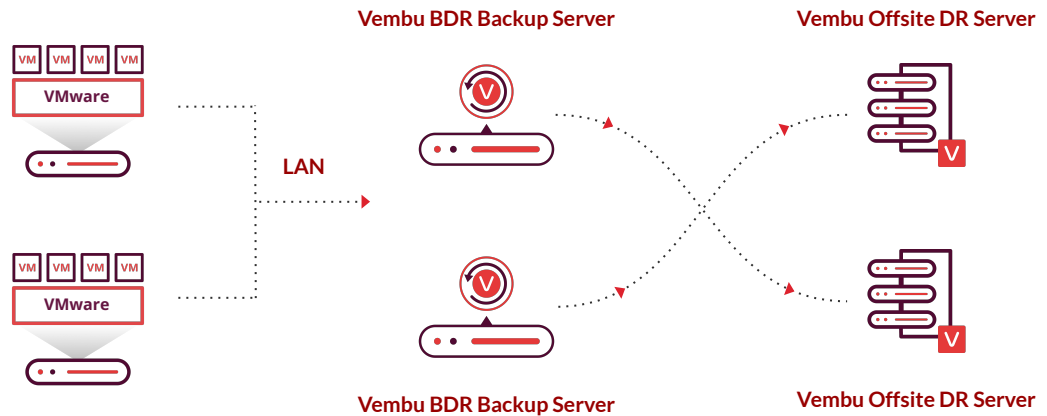
## Offsite (or) Remote Deployment (CSP)

- 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

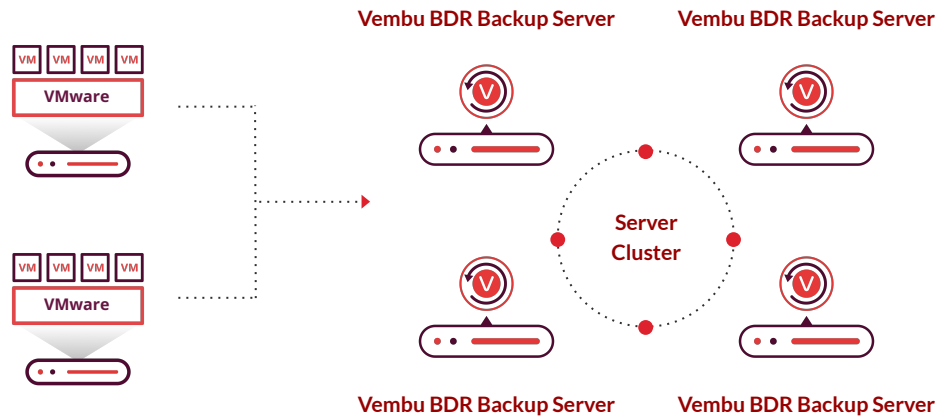
- Setup Vembu BDR Backup Server and Vembu Offsite DR Server in remote office as well as branch office
- Sync backup data between both the locations





## 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 & Replication Features of VMware Backup



## Multi-host Backup

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



## Parallel VM Processing

Vembu now supports parallel backup of multiple VMs/disks in a single host



## Failover & Failback VMs

Vembu provides entire site-level protection by replicating business-critical VMs to a DR site and failover VMs at times of disaster also failback the same when things are normal.



## 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 VMware 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 VMware 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

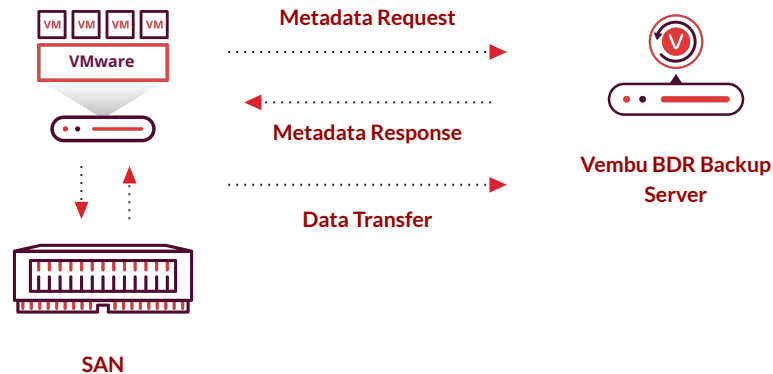
Users can manage all their backups with Backup Status Reports, VM Status Reports, Integrity Report and Restore Report

# Vembu BDR Suite

VMware Backup Transport Modes

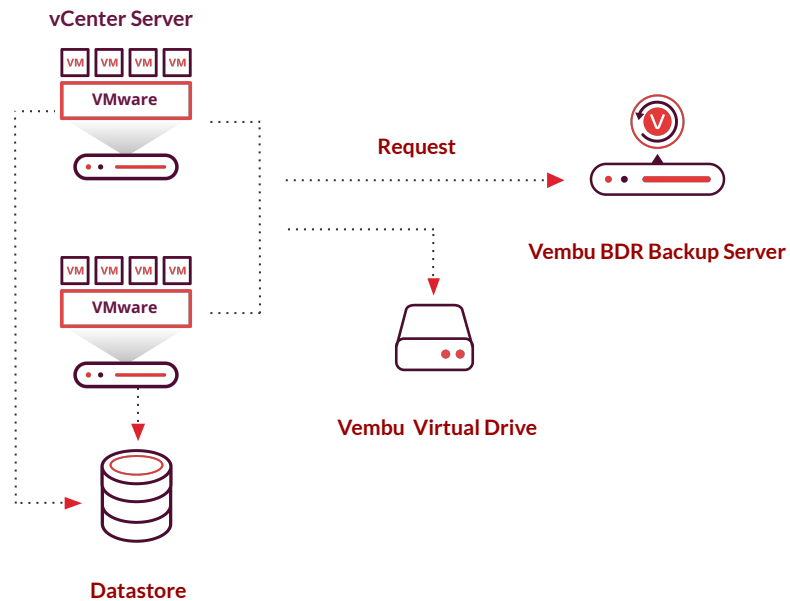
## Direct SAN Transport Mode

- Vembu Client for VMware Backup should have access to the SAN. It works on both physical server/FC or VM/iSCSI
- The Vembu Client for VMware Backup directly reads the data to be backed up from the SAN
- It sends them to the storage repositories in the Vembu BDR Backup Server



## Hot-Add Transport Mode

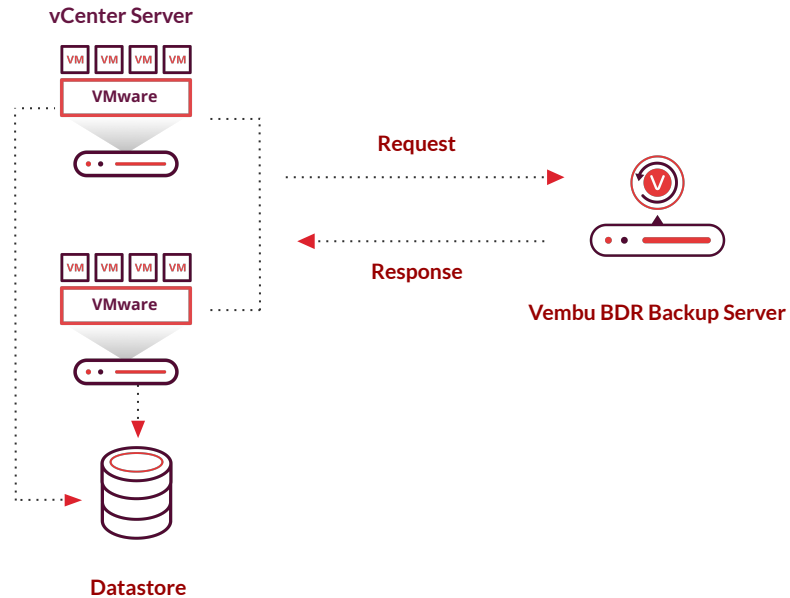
- Vembu Client for VMware Backup needs to be installed on a physical or virtual machine
- The ESXi host sends the data to the client, from the client it is sent to the storage repository
- The Vembu Client will read the attached disks and send the data to the backup server storage repositories





# Network Transport Mode

- Vembu Client for VMware Backup can be either installed on a physical or virtual machine
- The virtual disk of the VM to be backed up can be directly attached to the VM that hosts the Vembu Client
- The data transfer speed will be lower than the other two modes

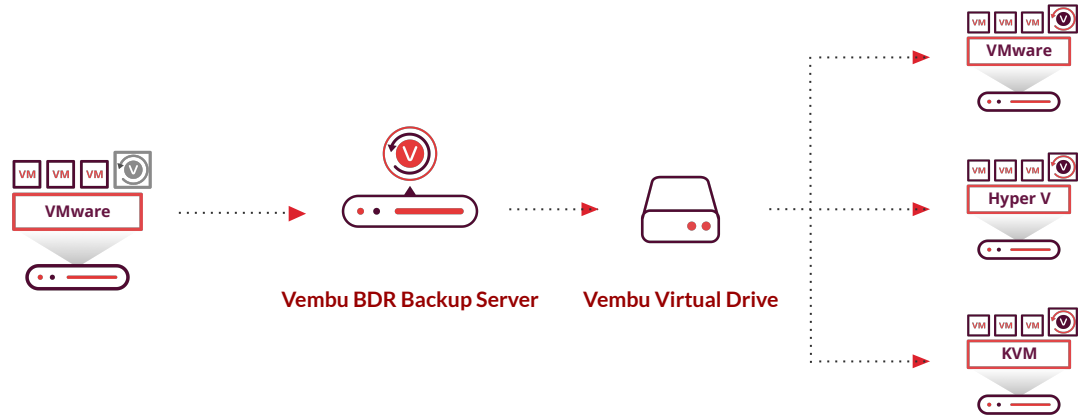


# **Vembu BDR Suite**

## Disaster Recovery Scenarios

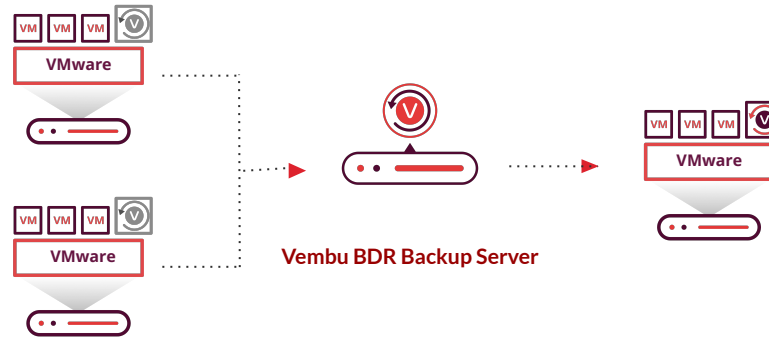
# Instant Boot VM Recovery

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



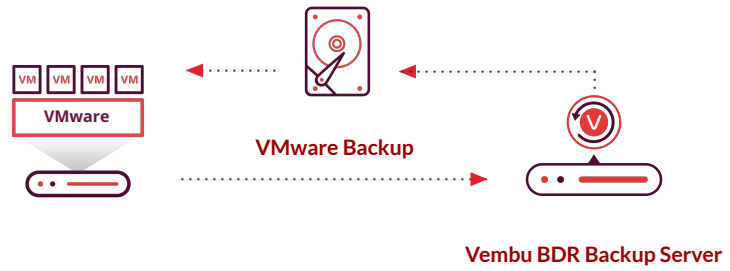
# Full VM Recovery

- Restore the backed up VM permanently to the same or different VMware ESXi host



# Disk Level Recovery -Vmware

- Restore the selected disk/disks of a backed up VMware VM to the same VM or different VM running on VMware host.



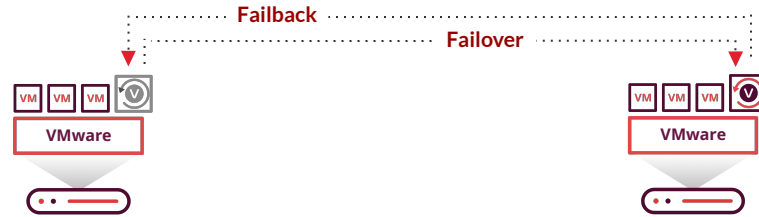
## File Level Recovery

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



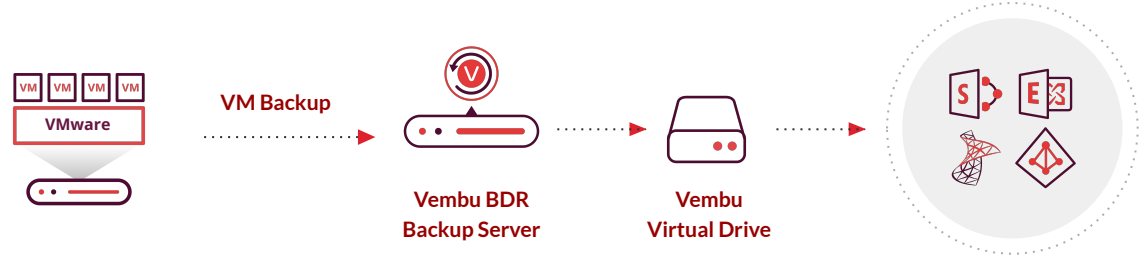
## VMware Replication Failover & Failback

- Instantly boot the replicated VM from the target ESXi host when your source VM is down.
- Failed over VM can later be Failed Back to the source ESXi host or different host



## Application Item Level Recovery

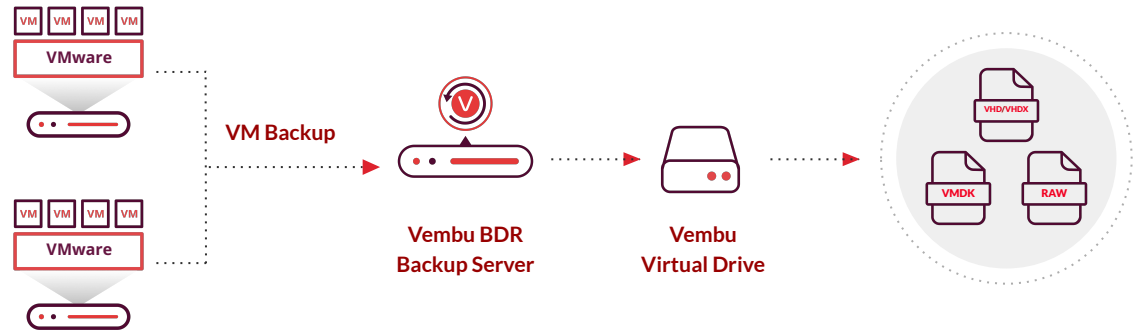
- Vembu helps you to restore Microsoft applications i.e. MS Exchange mails, MS SQL database/tables, MS SharePoint documents and MS AD Users/Roles granularly





# 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 & Replication for VMware

## Licensing Model

# Licensing

## Subscription

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

## Essentials Package

- Essentials includes the same functionality as that of respective paid editions and is available only for businesses (SMBs & Midrange) with up to 10 CPU-Sockets or 100 VMs.

## Backup & Replication for VMware

	<b>Standard Essentials</b> <i>Upto 10 sockets or 100 VMsv</i>	<b>Standard</b>	<b>Enterprise Essentials</b> <i>Upto 10 sockets or 100 VMs</i>	<b>Enterprise</b>
<b>Subscription License:</b> <i>Includes product updates, upgrades and standard technical support during the subscription period</i>				
<b>CPU Socket level pricing</b>	<b>\$108</b> <i>per cpu-socket/annum</i>	<b>\$216</b> <i>per cpu-socket/annum</i>	<b>\$180</b> <i>per cpu-socket/annum</i>	<b>\$360</b> <i>per cpu-socket/annum</i>
<b>VM level pricing</b>	<b>\$18</b> <i>per vm/annum</i>	<b>\$36</b> <i>per vm/annum</i>	<b>\$30</b> <i>per vm/annum</i>	<b>\$60</b> <i>per vm/annum</i>
<b>Perpetual License:</b> <i>Free maintenance &amp; support for 1st year</i>				
<b>CPU Socket level pricing</b>	<b>\$270</b> <i>per cpu-socket</i>	<b>\$540</b> <i>per cpu-socket</i>	<b>\$450</b> <i>per cpu-socket</i>	<b>\$900</b> <i>per cpu-socket</i>
<b>VM level pricing</b>	<b>\$45</b> <i>per vm</i>	<b>\$90</b> <i>per vm</i>	<b>\$75</b> <i>per vm</i>	<b>\$150</b> <i>per vm</i>

# Thank You

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