

# vembu

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Backup & Disaster Recovery

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15+ Years



100+ Countries



60,000+ Businesses



# 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*



**VMware**  
Backup and Replication



**Hyper-V Backup**



**Windows Image**  
Backup



**File & App Backup**



**AWS Backup**



**Office 365 Backup**



**G Suite Backup** <sup>BETA</sup>

# Vembu Customers



Vembu BDR Suite Webinar on  
Best Practices in Protecting Your  
**Microsoft Windows Machines From Data Loss**

# Agenda

- Considerations For Backing Up Windows Servers/ Workstations
- How Vembu BDR Suite helps you to meet the backup and recovery best practices
- Vembu Backup for Microsoft Windows: An Overview
- Roadmap
- Live Demo

# Considerations For Backing Up Windows Servers/ Workstations

# Considerations For Backing Up Windows Servers/ Workstations

- **Types of Backup** - What type of backup will be suitable?
- **Backup Speed** - How quickly the data be backed up? (RPO)
- **Recovery Time** - How fast can critical data be recovered & accessed? (RTO)
- **Recovery Options** - What all the options for data recovery?
- **Storage Medium** - Where will my data be stored?
- **Reliability** - How reliable is the backup and recovery ecosystem?
- **Simplicity** - How simple is the backup solution?
- **Cost Efficiency** - How affordable is the solution?



# 5 Questions To Ask

Choosing the Right Backup Solution  
to protect your Windows Machines

# 5 important questions to ask before you choose a backup solution

- Does your Backup Solution allow you to select the Best Backup Method?
- Does your Backup Solution allow you to create Automated Backups and offer flexibility in setting the RPO?
- Does your Backup Solution allow you to perform Instant & Flexible Restore to meet Business SLAs?
- Does your Backup Solution allow you to Efficiently Manage the Backup Data?
- Does your Backup Solution allow you to implement the Industry best 3-2-1 Backup Rule?

**How Vembu BDR Suite Helps**  
to meet the backup and recovery best practices

# Key Functionalities



## RPO and RTO < 15 mins

Minimize your downtime to less than 15 mins with instant boot VM, disk mounts & granular recovery of file/apps.



## Efficient Storage Management

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



## Native Tape Backup Support

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



## Offsite Copy for Disaster Recovery

Replicate a copy of data to a remote data center.



# Key Functionalities



## Compression

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



## Encryption

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



## Reporting

*Users can manage all their backups with Backup Status Reports, VM Status Reports, Integrity Report and Instant Boot VM recovery Report*



## Verification

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



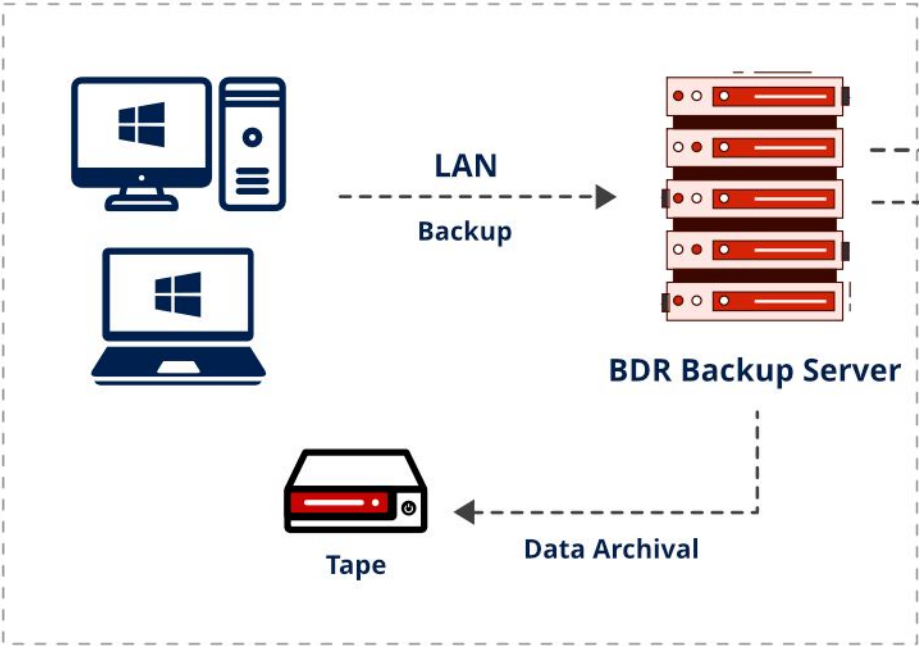
# Vembu Backup for Microsoft Windows - An Overview

# Vembu Backup for Microsoft Windows

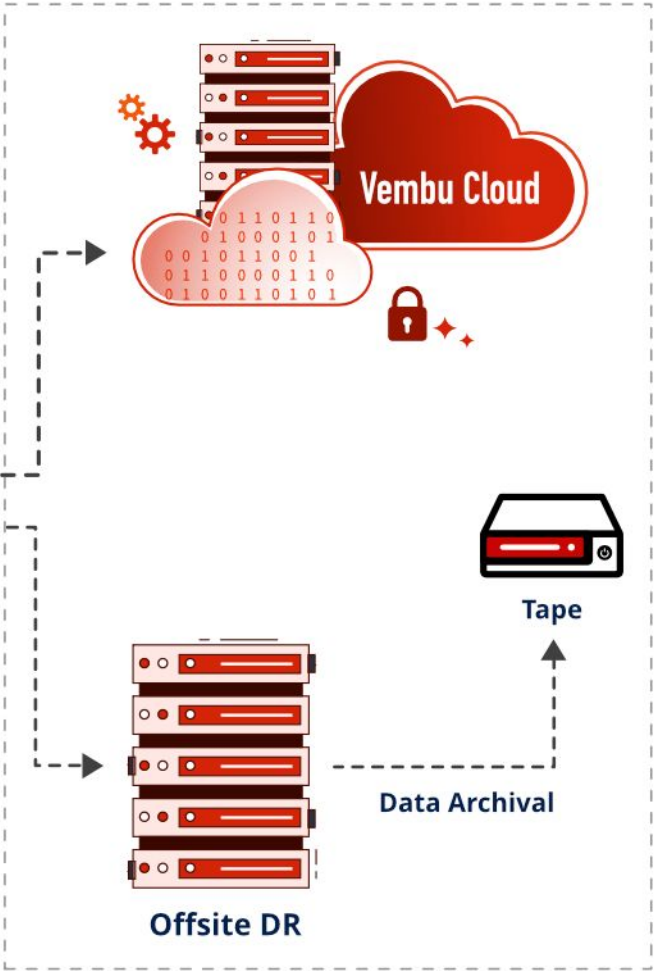
Comprehensive and affordable backup solution for Microsoft Windows machines

- Disk-Image based backup for Windows Servers and Workstations
- Backup the entire machine or a specific disk or volume
- Supports Bare-metal Recovery (BMR)
- Instant Boot VM Recovery (P2V)
- Instant File & Application-Item Recovery
- Automatic Backup Verification
- Centralized UI to configure, manage and restore backups
- Offsite Copy to local Remote data center, Cloud and Tape

# Vembu Backup for Microsoft Windows



Primary site



Secondary site



# Vembu BDR Suite

## Live Demo

# Vembu BDR Suite-Roadmap 2020

# Vembu BDR Suite Roadmap 2020

## VMware/Hyper-V Backup

1. Hyper-V VM replication
2. Backup configuration for multiple hosts and hypervisors in a single backup job
3. Pre/Post backup scripts to support running custom scripts at the job level, VM level, etc.
4. Parallel VM Processing during backup for improved performance
5. Configuring VM order during backup

## Physical Machine Backup

1. Linux disk image backup support
2. Parallel Disk Processing during backup for improved performance

## Application Backup

1. Oracle RMAN backup
2. SAP Hana backup
3. PostgreSQL backup

## SaaS Application Backup

1. Microsoft 365 SharePoint Online backup
2. Microsoft 365 Teams backup
3. G-Suite Backup

## Recovery

1. Live Recovery of image backups (VMs & Physical machines) to AWS & Azure
2. VM migration of Instantly Booted VMs and Physical Machines (Finalizing Instant Boot VM)

# Vembu BDR Suite Roadmap 2020

## Backup & General Infrastructure

1. Configuration of Preferred Networks for backups
2. Backup job policy/template
3. Extensive Improvements in Backup Performance
4. Active Directory discovery and automation for bulk deployment
5. **Where-it-Left-Off Backups: Stateful backups for aborted backups to resume from where it left off**
6. **Synthetic full backup**
7. **Second backup copy on NAS or external storage devices**
8. **Secondary backup copy on object storages like AWS S3, Azure Blob, S3 compatible storage**
9. **Advanced backup retention including GFS**
10. Centralized Management of Files & Applications backup

## General Infrastructure

1. Storage proxy to distribute the BDR/Offsite DR server workloads
2. Supporting rotated drives as a backup repository
3. BDR Cluster & Load Balancing for scalability and performance
4. Extensive enhancements in Reports
5. Simplification of licensing and license administration

## Service Providers

1. Comprehensive Multi-tenancy support for service providers
2. Centralized management of multiple BDR Backup Servers

# Thank You

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