Move to High Availability with Hyper-v
Agenda

- What is HA and Why do you need it?
- High Availability With Hyper-V
- Hyper-V Failover Cluster
- VM Replication
- Addressing HA with Vembu BDR Suite
- Live Demo
- Q&A
Vembu Technologies

Experience

100+ Countries

Headquartered in Chennai
High Availability
What is it and Why do you need it?
What is it and Why do you need it?

- Refers to a system's continuous uptime
- Reduces risk of data loss
- Handles failures of many components
- Minimises business impact
One bad customer experience can affect your business

- **Business**: Web Hosting Service
- **Problem**: Critical servers are down
- **Cause**: Power outage or disaster
- **Effects**: Financial loss, Company reputation, Customer trust
Achieving High Availability with Hyper-V

Hyper-V Cluster & VM Replication
Hyper-V Failover Cluster

Nodes (servers) can be configured to work together. When one node goes down another can take up the load. This eliminates the possibility of a single point of failure. Migration of a node to another can be manual or automatic.

- Little to no downtime
- Load Balancing
VM Replication

An asynchronously replicated VM runs in the secondary site. During disasters or server failures, you can instantly failover a point-in-time of the primary server. There can be different replication scenarios:

- **Standalone to Standalone**
- **Cluster to Cluster**
- **Standalone to Cluster**
- **Cluster to Standalone**
Vembu BDR Suite

Vembu BDR suite is an one stop solution to all your backup and DR needs, catering to every requirement of small and midsize businesses.

- **VMBackup**: Backup & Replication for VMware and Hyper-V VMs
- **ImageBackup**: Backup & BMR for Windows Servers and Desktops
- **NetworkBackup**: Backup for file/folders & applications
- **OffsiteDR**: Replicate a copy of backup data offsite
Vembu Cloud Services

Vembu Cloud Services delivers cost-effective data protection solutions to backup all your data directly to Vembu Cloud.

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

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

**BDR360**
Monitor and manage all your backups from a centralized portal.

**SaaSBackup**
Backup SaaS Applications like Office 365 and Google Apps.
Addressing HA with Vembu BDR Suite

- Support for Failover Cluster
- Support for Hyper-V Replication
- Support for VMs in Hyper-V Backup in Windows 10
- Special drivers built for Hyper-V backup & replication
Thank You

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