



Vembu and Compuverde Ensuring High Availability

When it comes to business continuity, backup along with timely restore is equally important. Vembu's flagship offering, Vembu BDR Suite is one of the most comprehensive & tailor-made Backup & Disaster Recovery solutions in the market. Comprehensive because Vembu can backup VMware vSphere, Microsoft Hyper-V, Physical Servers, Workstations, Exchange Items, SharePoint Items, SQL Items, Office 365, G Suite, etc. – and they can back that up on-site, off-site, or even to the cloud – not to mention that most of this is done within a single UI. Tailor-made because the solution is best suited for all types of Small & Mid-Size businesses be it a business with simple IT setup or a business with complex and sophisticated data centers.

With agentless backups, faster backup & restores, VM Replication for High Availability, Vembu CBT Driver for high performance incremental backups, VSS aware technology for Microsoft application consistency, Automated Backup Verification, VembuHIVE File System, a File System of File Systems for efficient backup storage, Multiple migration options, Flexible & Configurable Retention Policies, Vembu BDR Suite is suitable for all Backup & DR requirements of a complete virtual DataCenter. For Windows IT environments. Vembu BDR Suite provides an option to do entire system-level backup or specific file-level backup in Windows Servers and Workstations. It also ensures RTO less than 15 minutes by delivering reliable recovery options like Bare-metal Recovery, Quick VM Recovery, Instant File Recovery, Partition level Recovery etc. Thus the objective is to ensure that business availability is not disrupted across various environments and various types of data centers.

When it comes to storage, Vembu uses its own file system called as VembuHIVE, which can be perceived as a filesystem of filesystems with in-built version control, encryption and deduplication. So, one can use any combination of storage devices such as, Local, NAS, SAN and directly attached storage as backup targets. VembuHIVE is intelligent enough to understand the way content is organized inside the backup data and interpreted in multiple ways, irrespective of where it came from (VMware Backup, Hyper-V Backup, Disk Image Backup or file backup) and thus can perform on-demand granular restores. Most importantly, VembuHIVE supports scale-up or scale-out storage.

HIGHLIGHTS

- **Scaleability:** The sole objective of Vembu and Compuverde is to offer scalability to data centers thus increasing their efficiency in case of increased workload.
- **Flexibility:** Both Vembu & Compuverde offer flexibility to cater to various types of requirements in a data center. Additional software vendor for multiple storage and backup requirements might not be needed.
- **Performance:** Better backup and read/write performance of Vembu and Compuverde than the competition enables the data center administrators to reduce performance bottlenecks and improve effectiveness.
- **Hyperconvergence:** Compuverde's Hyper-converged storage is compatible with Microsoft Hyper-V, VMware & KVM while Vembu provides business continuity to both virtual environments and physical environments.
- **Simplicity:** Backup of sophisticated data centers is made simple through simple installation, configuration and deployment of Vembu while it holds the same for Compuverde as well which can handle any workload and application through simple deployment.

So, you can simply add storage disks to increase the storage space for backup data. Vembu BDR backup server automatically utilizes the newly added disks to store the incremental backup data.

Compuverde software-defined storage is a unified storage solution that is extremely scalable, and it scales linearly on both capacity and performance. Being fully elastic and hardware agnostic, it eliminates the need to predict future storage needs and gives you the ability to seamlessly scale up or down just by adding or removing disks or x86 servers used as building blocks for the storage. All servers share the same responsibility and functionality, effectively eliminating bottlenecks, hot spots and any single point of failure. And because they work in parallel and with no central orchestration, vast amounts of data can be transferred in a fraction of the time compared to traditional storage solutions. Compuverde utilizes cache and all-flash drives for tier 0 storage.

Using erasure coding to secure all stored data, the footprint is lower and storage utilization and performance is better than with traditional copies of data. In case of failure to one node, due to its self-healing properties, any missing data is automatically

recreated from the other healthy nodes and stored on available storage throughout the cluster. Automatic snapshot policies can be used to create space efficient snapshots, for the ability to roll back the storage to an earlier state in case of unwanted changes.

Compuverde comes with file system, block storage and object storage in one package. Whether it is SMB, NFS, Amazon S3 or OpenStack Swift, clients will have a unified view of the storage, accessible through any node. Multiple domains and file systems can be added to keep data separate, without adding complexity to the solution. Deployable as a single data center, Metro Cluster across a metropolitan area, or Hybrid Cloud between sites.

Vembu leverages the advanced level storage mechanism of Compuverde to provide high availability to data centers with faster backup and restores thus not disrupting the business continuity in case of any disaster or outage. Compuverde's futuristic approach towards software defined storage along with Vembu's reliable Backup & DR mechanism facilitates businesses to cut overhead costs and increase efficiency in data centers.

About Vembu

Vembu is a leading provider of a portfolio of software products and cloud services to small and medium businesses for more than a decade. Vembu's vision is to make software and cloud services very affordable for the hundreds of thousands of small and medium businesses worldwide.

Vembu's flagship offering is the BDR Suite of products meant for on-premise, offsite, cloud backup and disaster recovery across diverse IT environments including physical, virtual, applications and endpoints. Since 2002, Vembu's industry-recognized data protection solutions have delivered tangible value to more than 60,000 businesses worldwide through a network of 4000+ partners (MSPs/VARs & Resellers).

"Vembu ensures availability of our core production systems that support Mackie's business operations. 24x7 availability of business applications and its data is critical for us, and Vembu delivers on these requirements. Vembu has become an integral component of our IT and business continuity strategy."

Lee Wong, Manager of Information Technology at The Mackie Group

About Compuverde

Compuverde is a provider of software-defined storage solutions for enterprises, service providers and telecommunications companies. Compuverde offers solutions that combine telecom-grade reliability and highly-scalable cloud-based object storage, enabling the use of environmentally friendly hardware consuming less energy. Teamed with a top-ranked university and well-known partners within the telecom and IT industry, Compuverde is creating the future of storage solutions.

"The solution from Compuverde is extremely simple to install, configure and manage, there's no longer a need for our engineers to attend week-long courses in SAN Management."

Mathis Nybo, CTO of WWI.dk



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