

# Vembu BDR Suite

## Edition Comparison

VEMBU TECHNOLOGIES  
[www.vembu.com](http://www.vembu.com)



## Vembu BDR Suite

Vembu BDR Suite comes up with three different editions as Free, Standard and Enterprise based on the functionalities needed to protect your business.



Get started with knowing the differences between the functionalities of these editions to make the best decision that fulfills the modern data protection requirements of your business.

- Affordable and flexible pricing with both subscription and perpetual licensing models
- Storage capabilities for a heterogeneous environment
- 24x7 monitoring and management with advanced reporting options
- Complete visibility for multiple platforms on a single pane of glass

Vembu also offers a flat 50% discount with Vembu VMBackup for Small and Mid-sized businesses that sustain with environments upto 6 CPU sockets.

## VMware Backup & Replication

Features	Free Edition	Standard Edition	Enterprise Edition	Notes
<b>Backup</b>				
<b>Agentless backups for VMware vSphere</b>	✓	✓	✓	Configure image based backups for VMs on ESXi(s) without actually installing any agent inside each VM
<b>vCenter level backup</b>	✓	✓	✓	Protect VMs on VMware vCenters by configuring agentless image based backups from the Vembu BDR Server console
<b>Application aware backup processing</b>	✓	✓	✓	Create application aware & database consistent backups for the VMs running on your ESXi host or vCenter server
<b>Backup multiple VMs</b>	✓	✓	✓	Backup multiple VMs irrespective of size, type, application, data and operating systems in a single backup job
<b>Automatic Backup Scheduling</b>	✓	✓	✓	Automate your backups by scheduling them on hourly/ daily/ weekly basis
<b>HotAdd transport mode</b>	✓	✓	✓	Vembu VMBackup utilises the HotAdd feature by automatically mounting the data volume of the virtual machine to the Vembu BDR Server for faster backup processing

Features	Free Edition	Standard Edition	Enterprise Edition	Notes
<b>VM/Disk exclusion</b>	 upto 3 VM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exclude specific VMs/Disk(s) from being backed up, both on VM level and host level
<b>Near CDP (Continuous Data protection)</b>	 upto 3 VM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Ensures lesser RPO with the incremental backups that can be scheduled every 15 minutes
<b>Changed Block Tracking (CBT)</b>	 upto 3 VM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Only the blocks that have been changed since the previous backup are tracked and backed up in the successive incremental schedule
<b>Forever Incremental</b>	 upto 3 VM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	After the successful full backup, only the incremental backups will be taken thereafter
<b>Advanced Reverse Incremental</b>	 upto 3 VM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vembu's in-house filesystem-VembuHIVE reduces the I/O latency by virtually merging the incremental backups and retaining it as synthetic full backup for every recovery point
<b>Log truncation for MS Exchange</b>	 upto 3 VM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	The transaction logs of MS Exchange can be truncated after successful backup for efficient storage management
<b>Log truncation for MS SQL</b>	 upto 3 VM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Users can truncate the logs of MS SQL post successful backup completion to save storage space as well
<b>Retention policies (Basic)</b>	 upto 3 VM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Provides the flexibility to retain upto 99 daily merged recovery points for data archival and management
<b>Retention policies (Advanced- GFS)</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	With this functionality, you can manage recovery points that can span years with multiple merge combinations using daily/weekly/monthly merge options
<b>LAN free data transfer using SAN transport mode</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	On a SAN connected ESXi host, Vembu VMBBackup utilises this fastest data transport mode for backing up virtual machines by obtaining information directly from the SAN or iSCSI LUN where the virtual disks reside
<b>Backup persistent data</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Changes that are made during the Quick Boot session are stored as persistent data and can eventually be included during the permanent restore
<b>Native Tape Backup Support</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Implement 3-2-1 backup strategy by archiving the VMware backup to tape libraries greater than LTO-3 as a secondary backup



















Features	Free Edition	Standard Edition	Enterprise Edition	Notes
<b>Replication</b>				
VM replication	X	X	✓	Replicate the VM running on an ESXi server to another ESXi server to ensure business continuity
Failover	X	X	✓	Failover the replicated VMs on the secondary site during a disaster
Failback	X	X	✓	Failback the replicated VMs to the source host or different host
<b>Recovery</b>				
Quick VM recovery to ESXi	✓	✓	✓	Instantly recover the backup by booting it as a VM on an ESXi host
Quick VM recovery to Hyper-V	✓	✓	✓	Instantly recover the backup by booting it as a VM on a Hyper-V host
Quick VM recovery to KVM	✓	✓	✓	Instantly recover the backup by booting it as a VM on a KVM host
Permanent VM recovery	✓	✓	✓	Recover your backup data permanently to an ESXi host as a VM
Instant granular recovery for Microsoft Exchange	✓	✓	✓	Browse, search and restore the individual Exchange items such as emails, calendars, contacts of users directly from the backup data using Vembu Universal Explorer.
Instant granular recovery for Microsoft SQL	✓	✓	✓	Browse, search and restore the individual databases and tables from the backed up VM using Vembu Universal Explorer.
Instant granular recovery for Microsoft SharePoint	✓	✓	✓	Browse, search and restore the individual SharePoint sites and documents from the backup data using Vembu Universal Explorer
Instant granular recovery for Microsoft Active Directory	✓	✓	✓	Browse, search and restore the individual user roles and other AD items from the backup VM using Vembu Universal Explorer without restoring entire backup
Cross Hypervisor Migration (V2V)	✓	✓	✓	Perform quicker migration with lesser time from one hypervisor to another

Features	Free Edition	Standard Edition	Enterprise Edition	Notes
<b>Instant File-level recovery</b>	✓	✓	✓	Instantly recover the individual files and folders from the backed up VMs without actually restoring the entire VM
<b>Disk Management mount</b>	✓	✓	✓	Attach the backed up disks of your VMs virtually to the disk management of local machine through the Vembu virtual drive and restore the necessary files
<b>Disk level recovery</b>	✗	✗	✓	Attach the disks of the backed up VM to another VM on an ESXi host
<b>Persistent boot</b>	✗	✗	✓	The changes made on the Quick booted VMs will also be tracked and backed up. Include or exclude these changes while going for permanent recovery.
<b>Management</b>				
<b>Web based management console</b>	✓	✓	✓	Configure, edit and monitor your backups from a single web based user interface
<b>Reports and email notification</b>	✓	✓	✓	Status report of every backup schedule is generated and it can be delivered as an Email to the users
<b>Multiple Storage location</b>	✓	✓	✓	Storage devices of any file system that include local, SAN, NAS, DAS can be used for storage
<b>In-built compression and deduplication</b>	✓	✓	✓	Backed up data is stored on the backup server after compression and deduplication to manage storage efficiently
<b>End-to-end encryption</b>	✓	✓	✓	Encrypt all your backup data with inbuilt AES-256 bit algorithm for secure backups
<b>OffsiteDR replication</b>	✗	✓	✓	Offsite Disaster Recovery provides extended data protection to safeguard sensitive business data by replicating them from production site to offsite data center for spontaneous data recovery.
<b>CloudDR replication</b>	✗	✓	✓	Create redundant copies of the backed up data by replicating multiple backup servers to the Vembu Cloud residing in AWS and recover them from anywhere at anytime
<b>WAN acceleration</b>	✗	✓	✓	The compressed, encrypted and deduplicated blocks that are sent off-site optimize the data transfer rate thereby saving bandwidth

Features	Free Edition	Standard Edition	Enterprise Edition	Notes
<b>Backup Window Settings</b>	X	✓	✓	Prevent backups from interrupting your network traffic during critical operations by blocking the backup schedule for certain periods
<b>Web Services API</b>	X	✓	✓	Integrate Vembu BDR Suite with third party products using the Web Service API's provided by Vembu. You can use these APIs to automate any of the operations
<b>Group Management</b>	X	✓	✓	Helps administrators orchestrate the backup data and leverage them to users by providing either full or restricted access
<b>Vembu BDR360 for Centralized Monitoring</b>	X	✓	✓	End-to-End visibility to all the backup jobs through a single centralized web portal to enhance the productivity with extended reports and email notifications.
<b>Scale-out Storage Repository</b>	X	✓	✓	Scale out your storage repository by adding physical/network storage devices based on your storage needs and utilization
<b>Automated Backup Verification</b>	X	X	✓	Verify the recoverability of the backup data automatically by performing boot, mount and integrity check for every image based backup jobs
<b>Distributed Vembu VMBackup agents</b>	X	X	✓	Deploy proxies on multiple clients to decrease the load on the main backup server
<b>Bandwidth throttling in client &amp; Backup server</b>	X	X	✓	Optimize your network utilization during peak production hours by limiting bandwidth usage.

## Hyper-V Backup

Features	Free Edition	Standard Edition	Enterprise Edition	Notes
<b>Backup</b>				
<b>Agentless image backups for Hyper-V</b>				Configure image backups for VMs running under Hyper-V on SMB share without installing an agent inside each VM
<b>Backup Hyper-V on Cluster Shared Volumes</b>				Protect Hyper-V servers on Cluster Shared Volumes from the Vembu BDR Server console
<b>Application Aware backup processing</b>				Create application aware & database consistent backups for the VMs running on your Hyper-V server
<b>Backup multiple VMs</b>				Backup multiple VMs irrespective of size, type, application, data and operating systems in a single backup job
<b>Automatic Backup Scheduling</b>				Automate your backups by scheduling them on hourly/ daily/ weekly basis
<b>VM/Disk exclusion</b>	upto 3 VMs			Exclude specific VMs/Disk(s) from being backed up, both on VM level and host level
<b>Near CDP (Continuous Data protection)</b>	upto 3 VMs			Ensures lesser RPO with the incremental backups that can be scheduled every 15 minutes
<b>Changed Block Tracking (CBT)</b>	upto 3 VMs			Only the blocks that have been changed since the previous backup are tracked and backed up in the successive incremental schedule
<b>Forever Incremental</b>	upto 3 VMs			After the successful full backup, only the incremental backups will be taken thereafter
<b>Advanced Reverse Incremental</b>	upto 3 VMs			Vembu's in-house file system-VembuHIVE reduces the I/O latency by virtually merging the incremental backups and retaining it as synthetic full backup for every recovery point

Features	Free Edition	Standard Edition	Enterprise Edition	Notes
<b>Log truncation for MS Exchange</b>	 upto 3 VMs			The transaction logs of MS Exchange can be truncated after successful backup for efficient storage management
<b>Log truncation for MS SQL</b>	 upto 3 VMs			Users can truncate the logs of MS SQL post successful backup completion to save storage space as well
<b>Retention policies (Basic)</b>	 upto 3 VMs			Provides the flexibility to retain upto 99 daily merged recovery points for data archival and management
<b>Retention policies (Advanced- GFS)</b>				With this functionality, you can manage recovery points that can span years with multiple merge combinations using daily/weekly/monthly merge options
<b>Backup persistent data</b>				Changes that are made during the Quick Boot session are also stored as persistent data and can eventually be included during the permanent restore
<b>Native Tape Backup Support</b>				Implement 3-2-1 backup strategy by archiving the VMware backup to tape libraries greater than LTO-3 as a secondary backup

## Recovery

<b>Quick VM recovery to Hyper-V</b>				Instantly recover the backup by booting it as a VM on a Hyper-V host
<b>Quick VM recovery to ESXi</b>				Instantly recover the backup by booting it as a VM on an ESXi host
<b>Quick VM recovery to KVM</b>				Instantly recover the backup by booting it as a VM on a KVM host
<b>Permanent VM recovery</b>				Recover your backup data permanently to Same or different Hyper-V Server
<b>Instant granular recovery for Microsoft Exchange</b>				Browse, search and restore the individual Exchange items such as emails, calendars, contacts of users directly from the backup data using Vembu Universal Explorer.
<b>Instant granular recovery for Microsoft SQL</b>				Browse, search and restore the individual databases and tables from the backed up VM using Vembu Universal Explorer.



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<b>Instant granular recovery for Microsoft SharePoint</b>	✓	✓	✓	Browse, search and restore the individual SharePoint sites and documents from the backup data using Vembu Universal Explorer
<b>Instant granular recovery for Microsoft Active Directory</b>	✓	✓	✓	Browse, search and restore the individual user roles and other AD items from the backup VM using Vembu Universal Explorer without restoring entire backup
<b>Cross Hypervisor Migration (V2V)</b>	✓	✓	✓	Perform quicker migration with lesser time from one hypervisor to another
<b>Instant File-level recovery</b>	✓	✓	✓	Instantly recover the individual files and folders from the backed up VMs without actually restoring the entire VM
<b>Disk Management mount</b>	✓	✓	✓	Attach the backed up disks of your VMs virtually to the disk management of local machine through the Vembu virtual drive and restore the necessary files
<b>Persistent boot</b>	✗	✗	✓	The changes made on the Quick booted VMs will also be tracked and backed up. Include or exclude these changes while going for permanent recovery.
<b>Management</b>				
<b>Web based management console</b>	✓	✓	✓	Configure, edit and monitor your backups from a single web based user interface
<b>Reports and email notification</b>	✓	✓	✓	Status report of every backup schedule is generated and it can be delivered as an Email to the users
<b>Multiple Storage location</b>	✓	✓	✓	Storage devices of any file system that include local, SAN, NAS, DAS can be used for storage
<b>In-built compression and deduplication</b>	✓	✓	✓	Backed up data is stored on the backup server after compression and deduplication to manage storage efficiently
<b>End-to-end encryption</b>	✓	✓	✓	Encrypt all your backup data with inbuilt AES-256 bit algorithm for secure backups

Features	Free Edition	Standard Edition	Enterprise Edition	Notes
OffsiteDR replication	X	✓	✓	Offsite Disaster Recovery provides extended data protection to safeguard sensitive business data by replicating them from production site to offsite data center for spontaneous data recovery.
CloudDR replication	X	✓	✓	Create redundant copies of the backed up data by replicating multiple backup servers to the Vembu Cloud residing in AWS and recover them from anywhere at anytime
WAN acceleration	X	✓	✓	The compressed, encrypted and deduplicated blocks that are sent off-site optimize the data transfer rate thereby saving bandwidth
Backup Window Settings	X	✓	✓	Prevent backups from interrupting your network traffic during critical operations by blocking the backup schedule for certain periods
Web Services API	X	✓	✓	Integrate Vembu BDR Suite with third party products using the Web Service API's provided by Vembu. You can use these APIs to automate any of the operations
Group Management	X	✓	✓	Helps administrators orchestrate the backup data and leverage them to users by providing either full or restricted access
Vembu BDR360 for Centralized Monitoring	X	✓	✓	End-to-End visibility to all the backup jobs through a single centralized web portal to enhance the productivity with extended reports and email notifications.
Scale-out Storage Repository	X	✓	✓	Scale out your storage repository by adding physical/network storage devices based on your storage needs and utilization
Automated Backup Verification	X	X	✓	Verify the recoverability of the backup data automatically by performing boot, mount and integrity check for every image based backup jobs
Distributed Vembu VMBackup agents	X	X	✓	Deploy proxies on multiple clients to decrease the load on the main backup server
Bandwidth throttling in client & Backup server	X	X	✓	Optimize your network utilization during peak production hours by limiting bandwidth usage.

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