Vembu BDR Suite

Free vs Paid Edition

VEMBU TECHNOLOGIES
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Free vs Paid Edition

The Free Edition of Vembu BDR suite of products contains the mandate features which ensures data protection for both the physical and virtual data center environments. If the organisation is not having any specific backup policy requirement for business continuity and data management environment features like, near continuous data protection with CBT (changed block tracking) incremental backup, VM replication with automated Failover and Failback process, stand-by virtual DR (Quick VM recovery) and Offsite DR, then they can opt for the free edition of Vembu BDR Suite.

Vembu BDR Suite comes with a 30 days of full feature trial during evaluation period. Once the trial expires, user can either opt for free or paid edition of Vembu BDR Suite based on their business requirements.

How Vembu BDR Suite works?

The download and install of Vembu BDR Suite is same for both free and paid edition, but the functionality depends on the licence being applied.

The free edition does not require any licence to be applied, automatically after the trial expiration, Vembu BDR Suite gets converted into Free edition. There is no limit to number of sockets, VMs and servers.

The paid edition requires the licence to be applied from the Vembu Portal and it is limited to the number of sockets or VMs and servers which has been purchased from portal.

The user can easily upgrade from free to paid version by applying the licence from Vembu portal at anytime.

VMware Backup & Replication

Features	Free Edition	Paid Edition	Notes
Backup			
Agentless VMware Backup	☑	☑	The VMs running on the ESXi or vCenter server can be protected without using any separate agent
vCenter level backup	☑	☑	Virtual machine managed in vCenter environments can be backed up
Backup Multiple VMs	☑	☑	Any number of VMs can be backed up in a single job
Full VM Backup	☑	☑	During full Backup, Entire VM will be Backed up including operating system, applications and data
VM/Disk Exclusion	☑	☑	Exclude particular VM or Disk from backup configuration
LAN free data transfer using SAN and Hot-Add modes	☑	☑	Vembu VM backup support Direct SAN, Hot-Add and network transport mode to backup the VM data

Features	Free Edition	Paid Edition	Notes
Application Aware Backup Processing	☑	☑	Create application consistent image-level backups with advanced Application-Aware processing (including transaction log truncation).
Near CDP (Continuous Data Protection)		☑	Incremental backup can be scheduled every 15 mins to ensure the RPO < than 15 mins
Changed Block Tracking (CBT)		☑	Only the blocks which are changed since the previous backup are been tracked and the changed blocks are alone backed up in the successive backup
Forever incremental		☑	After the successful full backup, one can run the incremental backup Forever
Advanced Reverse Incremental		☑	Vembu has its own file system VembuHIVE on storage targets, it creates bootable full virtual disks (VMDK, VHD and KVM) for all recovery points without using any additional resources.
Automatic Backup Scheduling		☑	Backups can be automatically scheduled as per the user's flexibility
Retention Policies		☑	User can retain any number of recovery points on choices of his own
Backup persistent data		☑	Any changes made during the Quick boot session is also stored down as persistent data and it can be used during the permanent restore
Edit existing backup job configuration		☑	Backup jobs can be Re-configured any number of times as per the user needs

VM Replication

Features	Free Edition	Paid Edition	Notes
VM Replication		☑	Replicate the VMs running on one ESXi host to another ESXi host to ensure the business continuity
Failover & Failback		☑	The replicated VMs can be failover and failback to reduce the business downtime

Features	Free Edition	Paid Edition	Notes
Recovery			
Permanent VM Recovery to ESXi	☑	☑	Permanently restore the Backed up VM to an ESXi host as a VM
Instant file recovery	☑	☑	Instantly recover the individual files and folder from the backed up VMs without restoring the entire VM
Quick VM Recovery to ESXi		☑	Instantly recover the backed up VM to ESXi
Quick VM Recovery to Hyper-V		☑	Instantly recover the backed up VM to Hyper-V
Quick VM Recovery to KVM		☑	Instantly recover the backed up VM to KVM
Disk level recovery		☑	Attach the disk or partition of the backed up VM to another VMware VM
Instant Granular Recovery for Microsoft Exchange	☑	☑	Restore individual exchange mails or user mailboxes from the backed up VM using the Vembu Universal Explorer without restoring entire machine
Instant Granular Recovery for Microsoft SQL	☑	☑	Restore the individual databases or tables from the backed up VM using Vembu Universal Explorer without restoring entire machine
Instant Granular Recovery for Microsoft SharePoint	☑	☑	Restore the SharePoint sites and documents from the backed up VM using Vembu Universal Explorer without restoring entire SharePoint machine
Instant Granular Recovery for Microsoft Active Directory	☑	☑	Restore the user roles and other AD objects from the backed up VM using Vembu Universal Explorer with restoring entire AD machine
Cross Hypervisor Migration (V2V)	☑	☑	The VMs can be easily migrated from one hypervisor to another

Features	Free Edition	Paid Edition	Notes
Management			
Web based management console	☑	☑	The backups are configured and edited from a single web console
Reports and email notifications	☑	☑	Status report of all backup schedules will be available in a single page the same can be emailed to users
Multiple storage location	☑	☑	Storage devices such as Local, SAN, NAS and DAS can be used for storage purpose and Vembu supports all such filesystems for storage purpose
Scale out storage repository	☑	☑	Based on the storage Utilization the storage devices can be easily scaled out
In-built Compression and Deduplication	☑	☑	Backup files are stored on the backup server, after compression and deduplication to reduce the storage needs
End-to-end encryption	☑	☑	The backed up data is encrypted against the known threats using AES-256 bit encryption algorithm
Automated Backup Verification		☑	Verify the recoverability of the backed up images and screenshot of the booted Image backup will be mailed
OffsiteDR Replication		☑	The Backed up data will be replicated to an offsite location for Disaster recovery
CloudDR Replication		☑	The Backed up data will be replicated to Vembu Cloud for Disaster recovery
WAN Acceleration		☑	Only the compressed, encrypted and deduplicated blocks are sent offsite for replication, resulting a significant decrease in the amount of data transfer
Distributed Vembu VMBackup agents		☑	The VM backup can also configured by using a dedicated VMbackup agent
Bandwidth Throttling		☑	The bandwidth of the backup job can be throttled to reduce the network traffic during peak production hours
Vembu BDR360 for centralized backup server management		☑	Manage all backups from different clients through a single console

Hyper-V Backup

Features	Free Edition	Paid Edition	Notes
Backup			
Agentless Hyper-V Backup	☑	☑	The VMs running on the Hyper-V servers can be protected without using any separate agent
Backup Multiple VMs	☑	☑	Any number of VMs can be backed up in a single job
Full VM Backup	☑	☑	During full Backup, Entire VM will be Backed up including operating system, applications and data
Backup VM data in SMB Share	☑	☑	Backup all the VMs stored on the SMB share without any agent
Backup VM data in Cluster Shared Volumes	☑	☑	Backup all the VMs stored on cluster shared volume share without any agent
VM/Disk Exclusion	☑	☑	Exclude particular VM or Disk from backup from hyper-V during configuration
Changed Block Tracking (CBT)		☑	Only the blocks which are changed after the previous backup are been tracked and the changed blocks are alone backed up in the successive backup
Application Aware Backup Processing		☑	Create application consistent, image-level backups with advanced Application-Aware processing (including transaction log truncation).
Near CDP (Continuous Data Protection)		☑	Incremental backup can be scheduled every 15 mins to ensure the RPO < than 15 mins
Changed Block Tracking (CBT)		☑	Only the blocks which are changed since the previous backup are been tracked and the changed blocks are alone backed up in the successive backup
Forever incremental		☑	After the successful full backup, one can run the incremental backup forever
Advanced Reverse Incremental		☑	Vembu has its own file system VembuHIVE on storage targets, it creates bootable full virtual disks (VMDK, VHD and KVM) for all recovery points without using any additional resources.

Features	Free Edition	Paid Edition	Notes
Automatic Backup Scheduling		☑	Backups can be automatically scheduled as per the user's flexibility
Retention Policies		☑	User can retain any number of recovery points on choices of his own
Backup persistent data		☑	Any changes made during the Quick boot session is also stored down as persistent data and it can be used during the permanent restore
Edit existing backup job configuration		☑	Backup jobs can be Re-configured any number of times as per the user needs
## Recovery			
Permanent VM Recovery to Hyper-V	☑	☑	Permanently restore the Backed up VM to an Hyper-V host as a VM
Instant File Recovery	☑	☑	Instantly recover the individual files and folder from the backed up VM's without restoring the entire VM
Quick VM Recovery to Hyper-V		☑	Instantly recover the backed up VM to Hyper-V
Quick VM Recovery to VMware		☑	Instantly recover the backed up VM to ESXi
Quick VM Recovery to KVM		☑	Instantly recover the backed up VM to KVM
Instant Granular Recovery for Microsoft Exchange	☑	☑	Restore individual exchange mails or user mailboxes from the backed up VM using the Vembu Universal Explorer without restoring entire machine
Instant Granular Recovery for Microsoft SQL	☑	☑	Restore the individual databases or tables from the backed up VM using Vembu Universal Explorer without restoring entire machine
Instant Granular Recovery for Microsoft SharePoint	☑	☑	Restore the SharePoint sites and documents from the backed up VM using Vembu Universal Explorer without restoring entire SharePoint machine
Instant Granular Recovery for Microsoft Active Directory	☑	☑	Restore the user roles and other AD objects from the backed up VM using Vembu Universal Explorer with restoring entire AD machine
Cross Hypervisor Migration (V2V)	☑	☑	The VMs can be easily migrated from one hypervisor to another

Management

Features	Free Edition	Paid Edition	Notes
Web based management console	☑	☑	The backups are configured and edited from a single web console
Reports and email notifications	☑	☑	Status report of all backup schedules will be available in a single page the same can be emailed to users
Multiple storage location	☑	☑	Storage devices such as Local, SAN, NAS and DAS can be used for storage purpose and Vembu supports all such filesystems for storage purpose
Scale out storage repository	☑	☑	Based on the storage Utilization the storage devices can be easily scaled out
In-built Compression and Deduplication	☑	☑	Backup files are stored on the backup server, after compression and deduplication to reduce the storage needs
End-to-end encryption	☑	☑	The backed up data is encrypted against the known threats using AES-256 bit encryption algorithm
Automated Backup Verification		☑	Verify the recoverability of the backed up images and screenshot of the booted Image backup will be mailed
OffsiteDR Replication		☑	The Backed up data will be replicated to an offsite location for Disaster recovery
CloudDR Replication		☑	The Backed up data will be replicated to Vembu Cloud for Disaster recovery
WAN Acceleration		☑	Only the compressed, encrypted and deduplicated blocks are sent offsite for replication, resulting a significant decrease in the amount of data transfer
Bandwidth Throttling		☑	The bandwidth of the backup job can be throttled to reduce the network traffic during peak production hours
Vembu BDR360 for centralized backup server management		☑	Manage all backups from different clients through a single console

Physical Windows Server Backup

Backup

Features	Free Edition	Paid Edition	Notes
Full Image backup	☑	☑	Backup the entire machine including the operating system, applications and data
Backup selected disks and drives	☑	☑	The user can backup only the particular disk or drive of need
Backup MBR & GPT Partitions	☑	☑	GPT partitioned disks can also be backed up in a single pass
Backup disks more than 2 TB	☑	☑	The disks which are more than 2 TB can also backed up using Vembu ImageBackup
Backup VMs with Pass-through disks	☑	☑	Backup VMs with pass-through disks using Vembu ImageBackup
Backup VMs with Raw device mapping (RDM)	☑	☑	Backup VMs with Raw device mapping (RDM) disks using Vembu ImageBackup
Application Aware Backup Processing	☑	☑	Create application consistent, image-level backups with advanced Application-Aware processing (including transaction log truncation).
Near CDP (Continuous Data Protection)		☑	Incremental backup can be scheduled every 15 mins to ensure the RPO < 15 mins
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Recovery

Features	Free Edition	Paid Edition	Notes
Bare metal Recovery	☑	☑	Recover the backed up image data to a new hard-drive using Vembu Recovery CD
Disk Level Recovery		☑	Recover the backed up image data to a new hardware directly from BDR server
File Level Recovery	☑	☑	Individual files and folders can be easily recovered from the image backup instead of restoring the whole machine for the particular files or folder
Quick VM Recovery to VMware		☑	The backed up image data will be instantly booted on ESXi
Quick VM Recovery to Hyper-V		☑	The backed up image data will be instantly booted on Hyper-V
Quick VM Recovery to KVM		☑	The backed up image data will be instantly booted on KVM host
Instant Granular Recovery for Microsoft Exchange	☑	☑	Restore individual exchange mails or user mailboxes using the Vembu Universal Explorer without restoring entire machine
Instant Granular Recovery for Microsoft SQL	☑	☑	Restore the individual databases or tables using Vembu Universal Explorer without restoring entire machine
Instant Granular Recovery for Microsoft SharePoint	☑	☑	Restore the SharePoint sites and documents using Vembu Universal Explorer without restoring entire SharePoint machine
Instant Granular Recovery for Microsoft Active Directory	☑	☑	Restore the user roles and other AD objects using Vembu Universal Explorer without restoring entire AD machine
Cross platform Migration (P2V)	☑	☑	The backed up image data can be migrated to the hypervisors such as VMware ESXi or Microsoft Hyper-V

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In-built Compression and Deduplication	☑	☑	Backup files are stored on the backup server, after compression and deduplication to reduce the storage needs
End-to-end encryption	☑	☑	The backed up data is encrypted against the known threats using AES-256 bit encryption algorithm
Automated Backup Verification		☑	Verify the recoverability of the backed up images and screenshot of the booted Image backup will be mailed to administrators
OffsiteDR Replication		☑	The Backed up data will be replicated to an offsite location for Disaster recovery
CloudDR Replication		☑	The Backed up data will be replicated to Vembu Cloud for Disaster recovery
WAN Acceleration		☑	Only the compressed, encrypted and deduplicated blocks are sent offsite for replication, resulting in a significant decrease in the amount of data transfer
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