

Vembu BDR Suite

Edition Comparison

VEMBU TECHNOLOGIES
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

VMware Backup & Replication

Features	Free Edition	Standard Edition	Enterprise Edition	Notes
Backup				
Agentless backups for VMware vSphere	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Configure image-based backups for VMs on ESXi(s) without installing any agent inside each VM
vCenter level backup	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Protect VMs on vCenter server by configuring agentless image-based backups
Application aware backup processing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Create application aware & database consistent backups for the VMs running on your ESXi host or vCenter server
Backup multiple VMs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Backup multiple VMs irrespective of size, type, application, data and operating systems in a single backup job
Automatic Backup Scheduling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Automate your backups by scheduling them on hourly/ daily/ weekly basis
VM/Disk exclusion	 upto 10 VMs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exclude specific VMs/Disk(s) from being backed up, both at VM level and host level
Near CDP (Continuous Data protection)	 upto 10 VMs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Ensure lesser RPO with incremental backups that can be scheduled every 15 minutes

Features	Free Edition	Standard Edition	Enterprise Edition	Notes
Changed Block Tracking (CBT)	 upto 10 VMs			Only the blocks that have been changed since the previous backup are backed up in the successive incremental schedule
Forever Incremental	 upto 10 VMs			After the successful full backup, only incremental backups will be performed thereafter
Advanced Reverse Incremental	 upto 10 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
Log truncation for MS Exchange	 upto 10 VMs			The transaction logs of MS Exchange can be truncated after successful backup for efficient storage management
Log truncation for MS SQL	 upto 10 VMs			Truncate the logs of MS SQL after successful backup to save storage space
Retention policies (Basic)	 upto 10 VMs			Provides the flexibility to retain upto 99 daily merged recovery points for data archival and management
Retention policies (Advanced- GFS)				With this functionality, you can manage recovery points that can span years using daily/weekly/monthly merge options
HotAdd transport mode				Vembu BDR Suite utilises the HotAdd feature by automatically mounting the data volume of the VM to the BDR backup server for faster backups
LAN free data transfer using SAN transport mode				On a SAN connected ESXi host, Vembu BDR Suite utilises this fastest data transport mode for backing up VMs by obtaining information directly from the SAN or iSCSI LUN where the virtual disks reside
Backup persistent data				Changes that are made during the Quick VM recovery session are stored as persistent data. Include or exclude these changes while performing Live recovery.
Native Tape Backup Support				Implement 3-2-1 backup strategy by archiving VMware backup to standalone tapes and tape libraries greater than LTO-3



















Features	Free Edition	Standard Edition	Enterprise Edition	Notes
Replication				
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
Recovery				
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
Live Recovery	✓	✓	✓	Recover your backup data permanently to an ESXi host as a VM. You can configure the specification of the Virtual Hardware while performing the recovery.
Instant granular recovery for Microsoft Exchange	✓	✓	✓	Browse, search and restore the individual Exchange items - emails, calendars, contacts from the backup using Vembu Universal Explorer.
Instant granular recovery for Microsoft SQL	✓	✓	✓	Browse, search and restore the individual databases and tables from the backup using Vembu Universal Explorer.
Instant granular recovery for Microsoft SharePoint	✓	✓	✓	Browse, search and restore the individual SharePoint sites and documents from the backup 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 using Vembu Universal Explorer

Features	Free Edition	Standard Edition	Enterprise Edition	Notes
Cross Hypervisor Migration (V2V)	✓	✓	✓	Perform quick migration with lesser time from one hypervisor to another
Instant File-level recovery	✓	✓	✓	Instantly recover the individual files and folders from the backed up VMs without actually restoring the entire VM
Disk Management mount	✓	✓	✓	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
Disk level recovery	✗	✗	✓	Attach the disks of the backed up VM to another VM on an ESXi host
Management				
Web based management console	✓	✓	✓	Configure, edit and monitor your backups from a single web based user interface
Reports and email notification	✓	✓	✓	Status report of every backup schedule is generated and delivered as an email
Multiple Storage location	✓	✓	✓	Storage devices of any file system that include local, SAN, NAS, DAS can be used for storage
In-built compression and deduplication	✓	✓	✓	Backup data is stored on the backup server after compression and deduplication to manage storage efficiently
End-to-end encryption	✓	✓	✓	Encrypt all your backup data with inbuilt AES-256 bit algorithm for secure backups
Offsite DR replication	✗	✓	✓	Offsite Disaster Recovery provides extended data protection to safeguard sensitive business data. Replicate the backups from local site to offsite
Cloud DR replication	✗	✓	✓	Replicate a copy of your backups in local site to Vembu Cloud residing in AWS and recover your data from anywhere at anytime

Features	Free Edition	Standard Edition	Enterprise Edition	Notes
WAN acceleration	X	✓	✓	The compressed, encrypted and deduplicated blocks that are sent off-site are optimized 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 Vembu Web Service API's to automate operations
Group Management	X	✓	✓	Helps administrators orchestrate the backup data and leverage them to users by providing either full/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
Automated backup verification	X	X	✓	Verify the recoverability of the backup data automatically by performing boot, mount and integrity check
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.

Hyper-V Backup

Features	Free Edition	Standard Edition	Enterprise Edition	Notes
Backup				
Agentless image backups for Hyper-V	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Configure image backups for Hyper-V VMs installing an agent inside each VM
Backup VMs running on Hyper-V Cluster	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Backup the VMs running on Hyper-V cluster, even if the VMs configured for the backups moves from one host to another
Backup Hyper-V on CSV & SMB share	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Protect the Hyper-V VMs on Cluster Shared Volumes and SMB share
Shared VHDX backup	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Backup the data from Shared VHDX
Application Aware backup processing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Create application aware & database consistent backups for the VMs running on your Hyper-V Host
Backup multiple VMs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Backup multiple VMs irrespective of size, type, application, data and operating systems in a single backup job
Automatic Backup Scheduling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Automate your backups by scheduling them on hourly/ daily/ weekly basis
VM/Disk exclusion	 upto 10 VMs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exclude specific VMs/Disk(s) from being backed up, both at VM level and host level
Near CDP (Continuous Data protection)	 upto 10 VMs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Ensure lesser RPO with incremental backups that can be scheduled every 15 minutes
Changed Block Tracking (CBT)	 upto 10 VMs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Only the blocks that have changed since the previous backup are tracked and backed up in the successive incremental schedule
Forever Incremental	 upto 10 VMs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	After the successful full backup, only the incremental backups will be performed thereafter
Advanced Reverse Incremental	 upto 10 VMs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	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
Log truncation for MS Exchange	 upto 10 VMs			The transaction logs of MS Exchange can be truncated after successful backup for efficient storage management
Log truncation for MS SQL	 upto 10 VMs			Truncate the logs of MS SQL after successful backup to save storage space
Retention policies (Basic)	 upto 10 VMs			Provides the flexibility to retain upto 99 daily merged recovery points for data archival and management
Retention policies (Advanced- GFS)				With this functionality, you can manage recovery points that span years using daily/weekly/monthly merge options
Backup persistent data				Changes that are made during the quick VM recovery session are stored as persistent data. Include/exclude these changes during Live Recovery
Native Tape Backup Support				Implement 3-2-1 backup strategy by archiving the Hyper-V backup to standalone tapes and tape libraries greater than LTO-3

Recovery

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 ESXi				Instantly recover the backup by booting it as a VM on an ESXi 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 Hyper-V host as a VM
Instant granular recovery for Microsoft Exchange				Browse, search and restore the individual Exchange items - emails, calendars, contacts directly from the backup using Vembu Universal Explorer.
Instant granular recovery for Microsoft SQL				Browse, search and restore the individual databases and tables from the backup using Vembu Universal Explorer.

Features	Free Edition	Standard Edition	Enterprise Edition	Notes
Instant granular recovery for Microsoft SharePoint	✓	✓	✓	Browse, search and restore the individual SharePoint sites and documents from the backup 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 using Vembu Universal Explorer
Cross Hypervisor Migration (V2V)	✓	✓	✓	Perform quick migration with lesser time from one hypervisor to another
Instant File-Level recovery	✓	✓	✓	Instantly recover the individual files and folders from the backed up VMs without actually restoring the entire VM
Disk Management mount	✓	✓	✓	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
Persistent boot	✗	✗	✓	The changes made on the Quick booted VMs will be tracked and backed up. The changes can be included or excluded during permanent recovery.

Management

Web based management console	✓	✓	✓	Configure, edit and monitor your backups from a single web based user interface
Reports and email notification	✓	✓	✓	Status report of every backup schedule is generated and delivered as an Email
Multiple Storage location	✓	✓	✓	Storage devices of any file system that include local, SAN, NAS, DAS can be used for storage
In-built compression and deduplication	✓	✓	✓	Backed up data is stored on the backup server after compression and deduplication to manage storage efficiently
End-to-end encryption	✓	✓	✓	Encrypt all your backup data with inbuilt AES-256 bit algorithm for secure backups
Offsite DR replication	✗	✓	✓	Offsite Disaster Recovery provides extended data protection to safeguard sensitive business data. Replicate a copy of backup data from local site to offsite

Features	Free Edition	Standard Edition	Enterprise Edition	Notes
Cloud DR replication	X	✓	✓	Replicate a copy of your backups in local site to Vembu Cloud residing in AWS and recover your data from anywhere at anytime
WAN acceleration	X	✓	✓	The compressed, encrypted and deduplicated blocks that are sent off-site are optimized 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 Vembu Web Service API's to automate operations
Group Management	X	✓	✓	Helps administrators orchestrate the backup data and leverage them to users by providing either full/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

Windows Server Backup

Features	Free Edition	Enterprise Edition	Notes
Backup			
Full Image backup	✓	✓	Backup the entire machine including the operating system, applications and data
Backup selected disks or volumes	✓	✓	Select and backup a particular disk or volumes
Backup MBR & GPT Partitions	✓	✓	The MBR & GPT partitioned disks can be backed up
Backup disks more than 2 TB	✓	✓	Disk size greater than 2 TB is supported for backup
Application Aware Backup Processing	✓	✓	Create application consistent, image-level backups with advanced Application-Aware processing (including transaction log truncation).
Automatic Backup Scheduling	✓	✓	Backups can be automatically scheduled every 15 mins, every few hours, every day or weekly on specific days
Near CDP (Continuous Data Protection)	✓	✓	Incremental backup can be scheduled every 15 mins to ensure RPO < 15 mins
Changed Block Tracking (CBT)	✗	✓	Only the blocks which have changed since the previous backup are tracked and the changed blocks are alone backed up in the successive backup
Forever incremental	✗	✓	After the successful full backup, only the incremental backups will be performed thereafter
Advanced Reverse Incremental	✗	✓	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
Retention Policies (Basic)	✓	✓	Provides the flexibility to retain upto 99 daily merged recovery points for data archival and management
Retention policies (Advanced- GFS)	✗	✓	With this functionality, you can manage recovery points that span years using daily/weekly/monthly merge options

Features	Free Edition	Enterprise Edition	Notes
Backup persistent data	X	✓	Changes that are made during the Quick VM recovery session are stored as persistent data. Include/exclude these changes during Live recovery
Native Tape Backup Support	X	✓	Implement 3-2-1 backup strategy by archiving the Windows Image backup to tape libraries greater than LTO-3 as a secondary backup
Automated Backup Verification	X	✓	Verify the recoverability of the backup data automatically by performing boot, mount and integrity check for every image based backup jobs

Recovery

Bare metal Recovery	✓	✓	Recover the backed up image data to a new hard-drive using Vembu Recovery CD
File Level Recovery	✓	✓	Individual files and folders can be easily recovered from the image backup instead of restoring the whole machine
Quick VM Recovery to VMware	✓	✓	The backup data will be instantly booted as a VM on ESXi host
Quick VM Recovery to Hyper-V	✓	✓	The backup data will be instantly booted as a VM on Hyper-V host
Quick VM Recovery to KVM	✓	✓	The backup data will be instantly booted on KVM host
Disk Management Mount	✓	✓	Auto attach the backed up image data on the disk management of local machine through the Vembu Virtual Drive
Instant Granular Recovery for Microsoft Exchange	✓	✓	Browse, search and restore the individual Exchange items - emails, calendars, contacts directly from the backup using Vembu Universal Explorer.
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 required 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

Features	Free Edition	Enterprise Edition	Notes
Cross platform Migration (P2V)	✓	✓	The backed up image data can be migrated to the hypervisors such as VMware ESXi or Microsoft Hyper-V
Disk/Partition Recovery	✗	✓	Restore only the required disk/volume from the entire machine backup
Management			
Web based management console	✓	✓	The backups are configured and edited from a single web console
Reports and email notifications	✓	✓	Status report of every backup schedule is generated and delivered as an email
Multiple storage location	✓	✓	Storage devices of any file system that include local, SAN, NAS, DAS can be used for storage
Scale out storage repository	✓	✓	Based on storage utilization the storage devices can be easily scaled out
In-built Compression & Deduplication	✓	✓	Backed up data is stored on the backup server after compression and deduplication to manage storage efficiently
End-to-End encryption	✓	✓	The backed up data is encrypted using AES-256 bit encryption algorithm
Bandwidth Throttling	✓	✓	The bandwidth of the backup job can be throttled to reduce the network traffic during peak production hours
Offsite DR Replication	✗	✓	A copy of backup data from local site is replicated to an offsite location for disaster recovery purposes
Cloud DR Replication	✗	✓	A copy of backup data from local site is replicated to Vembu Cloud and can be restored from anywhere at anytime
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

USA & CANADA

+1-512-256-8699

UNITED KINGDOM

+44-203-793-8668

Email

vembu-sales@vembu.com
vembu-support@vembu.com

www.vembu.com

Disclaimer

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the publisher.