



Highlights

- Optimized Backup & Disaster Recovery (BDR) Appliance for Veeam
- Consolidate BDR functions and Repository resources with virtualization
- Central monitoring of Veeam infrastructure and backup repository
- Spin-Up replica VMs directly on the appliance for instant recovery
- Supports Veeam Deduplication and Compression to balance storage consumption
- Image-based VM Replication with Failover and Failback
- Replicate to Remote Site for Disaster Recovery
- Cloud Backup & Replication option to private or public clouds

Enterprise & Storage Features

- Software-defined Storage for SAN and/or Scale-Out NAS with more nodes
- SAN (iSCSI) & Scale-Out NAS (CIFS/SMB, NFS protocol)
- Single Namespace Distributed File System over multi-nodes
- Advanced Volume Management
- Advanced Reporting Management
- Snapshots (Delta-based and Mountable NAS - Read-Only, SAN - Read/Write)
- Quota (Volume and Directory)
- Multi-Site/Multi-Appliance Replication)
- Real-Time Synchronous Mirroring
- Block Level Encryption (AES 256) In-Transit or At-Rest
- Tiered Storage Support

Power & Cooling

- Redundant Hot-Swappable
- 80 PLUS Platinum

BDR Storage Appliance

BDR (Backup & Disaster Recovery) has long been part of data storage strategy for enterprise-class businesses to provide resiliency and continuity. The conventional approach to BDR has been to use a separate server appliance to host BDR software and another storage system for the backup data. A better alternative uses virtualization technology together with Veeam software aware storage systems in a Hyperconverged solution that enables consolidation of servers, storage and backup in a single platform solution

Veeam Optimized

Optimizing the storage as Veeam backup repository improves Veeam capability in streamlining the Backup, Disaster Recovery and Data management. Replica VMs can also be spawned within the server and carve out storage from a storage pool for instant recovery.

Streamline Business Growth

Hyperconverged infrastructure removes barriers so the administrator can change and deploy resources quickly as business demands increase. Deployment, scaling and management of resources for application usage and need are streamlined using intelligent solutions provided by VMWare vSphere, integrated with software-defined virtual storage controller software and the Veeam BDR Engine.

Software-defined Enterprise Storage




Virtualized and software-defined storage is the key element in advanced storage functionality such as storage provisioning, storage network (SAN and/or Scale-Out NAS), Data Protection, Encryption, Disaster Recovery, Management and other capabilities that are designed and built for Enterprise level deployment.

Resources Consolidation

Administering, changing and deploying resources for applications rapidly, with ease, require centralized management with virtualization of hardware resources within the cluster. Data distribution of storage across nodes (in cluster), server virtualization, and networking services, are managed for all applications run as a virtual machine on each node independently.

VEEAM



Models & Scaling			
Platform & Base Models	2U12	3U16	4U24
	 DR365v-1204P (12 HDD) DR365v-1024P (10 HDD + 2 SSD)	 DR365v-1604P (16 HDD) DR365v-1424P (14 HDD + 2 SSD)	 DR365v-2404P (24 HDD) DR365v-2224P (22 HDD+ 2 SSD)
Drives Selection	HDD: 2TB, 4TB, 6TB, 8TB, 10TB 7200RPM 12G SAS SSD: 960GB 12Gb SAS (USO-1024P / 1424P / 2224P Models Only)		
Expansion	Scale-Out: Expand Across an Unlimited of Nodes (NAS) Scale-Up per Node: Promise VTrak J5000 Series Expansion Storage subsystem		
Operational/Data Services			
Enterprise Features	<ul style="list-style-type: none">• SAN with RAID support• Scale-Out NAS – Single Namespace• Port Teaming and Failover• Metadata-less to scale capacity and performance• Active Directory integration ready• SNMP Traps/UPS/Nagios/Call Home• Advanced Reporting Management• Data Encryption – In-transit or At-Rest• Data Deduplication (SAN)• SSD Caching (SAN)		
Advanced Storage Features	<ul style="list-style-type: none">• Advanced Storage Virtualization• Volume/Storage Expansion• Snapshots (delta-based)• Mountable Read-Only Snapshot Volumes• Dynamic Volume Management• Asynchronous Replication (One-to-Many & Many-to-One)• Thin Provisioning (SAN)• Tiered Storage (SAN)• Real-Time Synchronous Mirroring (Campus Mirroring)• Veeam optimized		
Host Connectivity			
Protocol	SAN: iSCSI NAS: CIFS/SMB and NFS		
Connectivity	2 ports 10G Ethernet RJ45 or 2 ports 10G Ethernet SFP+		
Management Ports	1 port RJ45 1Gb Dedicated for IPMI		
Processing Engine			
Processor	Dual Sockets 8-Cores Skylake SP-4110 2.0GHz Silver Xeon Processor (Default) Optional 10, 14, 16, 20, 24 and 28-Cores (specify when ordering)		
Memory	64GB per Node (Default) - Optional 128GB, 256GB, 512GB, 1TB or 1.5TB (specify when ordering) Optional Data Deduplication feature requires 1GB additional memory per 1TB storage capacity		
Data Protection & Layout			
Protection	SAN: RAID levels 0,1, 5, 6, 10, 50, 60 with Cache Battery backup NAS: Erasure Coding or Replica		
NAS Layout Options	<ul style="list-style-type: none">• Distributed• Distributed Mirrored• Mirrored• Striped• Distributed Striped• Dispersed Volumes		
Backup/Disaster Recovery			
BDR Engine	Veeam Availability Suite or Veeam Backup & Replication (Standard / Enterprise / Enterprise Plus) or Veeam ONE (Veeam License & Maintenance Sold Separately)		
Hypervisor			
Embedded	VMWare vSphere Standard, vSphere Enterprise Plus, Essential Kit, Essential Plus Kit, vCenter Server Standard, vCenter Server Foundation (specify when ordering)		
Power/Environmental			
Power Supply	920W Redundant Hot-Swappable Voltage:1 00-240 Vac 50-60Hz Current: +12V 75A Max	1000W Redundant Hot-Swappable Voltage: 100-240 Vac 50-60Hz Current: +12V 83A Max	1200W Redundant Hot-Swappable Voltage: 100-240 Vac 50-60Hz Current: +12V 100A Max
Power Efficiency	80-Plus Platinum - 94% efficiency (920W), 96% efficiency (1000W/1200W)		
Temperature Range	Operational: 5° to 35°C, Non-Operational: -40° to 70°C		
Relative Humidity	Operational: 8% to 90% (Non-Condensing), Non-Operational: 5% to 95% (Non-Condensing)		
Regulatory/Safety	EMC Class A: CE, FCC, VCCI, BSMI, RCM Safety: CB, UL/cUL Environmental: RoHS2		
Warranty & Support			
Warranty	1-year full system limited warranty including Advanced Parts Replacement Optional Extended Warranty available up to 5-Years with Depot, NBD On-Site, & 4-Hour On-Site		
Support	24/7 e-mail and phone support		