



Veeam VBR As Built Report

Zen Pr Solutions

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1 Implementation Report

The following section provides a summary of the implemented components on the Veeam Backup & Replication Infrastructure

1.1 Backup Infrastructure Summary

The following sections detail the configuration of Veeam Backup Server veeam-vbr.pharmax.local.

Number of Backup Proxies	5
Number of Managed Servers	26
Number of Backup Repositories	4
Number of SOBR Repositories	3
Number of Object Repository	3
Number of WAN Accelerator	2
Number of SureBackup Application Group	2
Number of SureBackup Virtual Lab	2
Number of Locations	0
Instance Licenses (Total/Used)	20/0
Socket Licenses (Total/Used)	0/0
Capacity Licenses (Total/Used)	0TB/0TB

Table 1 - Executive Summary - VEEAM-VBR

1.1.1 Backup Server Information

The following table details a summary of the local Veeam Backup Server

Server Name	VEEAM-VBR.pharmax.local
Version	11.0.1.1261
Database Server	VEEAM-SQL.pharmax.local
Database Instance	
Database Name	VeeamBackup
Connection Ports	Backup Server Port: 9392 Secure Connections Port: 9401 Cloud Server Port: 10003 Cloud Service Port: 6169
Install Path	C:\Program Files\Veeam\Backup and Replication\Backup\
Audit Logs Path	C:\ProgramData\Veeam\Backup\Audit
Compress Old Audit Logs	Yes
Fips Compliant Mode	Disabled
Logging Level	4
Log Directory	C:\ProgramData\Veeam\Backup

Table 2 - Backup Server - VEEAM-VBR

1.1.1.1 Inventory Summary

Name	VEEAM-VBR
Windows Product Name	Windows Server 2019 Standard Evaluation
Windows Current Version	6.3

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Windows Build Number	10.0.17763
Windows Install Type	Server
Active Directory Domain	pharmax.local
Windows Installation Date	12/03/2019 11:13:44
Time Zone	(UTC-04:00) Georgetown, La Paz, Manaus, San Juan
License Type	Retail:TB:Eval
Partial Product Key	Y7XRX
Manufacturer	VMware, Inc.
Model	VMware7,1
Serial Number	VMware-42 30 cb b7 cb bd 7a c2-8f 7f 82 e9 07 31 63 90
Bios Type	Uefi
BIOS Version	INTEL - 6040000
Processor Manufacturer	GenuineIntel
Processor Model	Intel(R) Core(TM) i7-6700 CPU @ 3.40GHz
Number of CPU Cores	2
Number of Logical Cores	2
Physical Memory (GB)	12 GB

Table 3 - Backup Server Inventory - VEEAM-VBR

1.1.1.1.1 Local Disks

Disk Number	Model	Serial Number	Partition Style	Disk Size
0	Virtual disk	6000c294f4726ed3 721b15c76abaffcc	2	60 GB
1	Virtual disk	6000c290f86cd3c4 72f24b32a0ddb0e4	2	100 GB
2	Virtual disk	6000c299dbe6847 6926d68da7e017a c1	2	500 GB

Table 4 - Backup Server - Local Disks

1.1.1.1.2 Host Volumes

Drive Letter	File System Label	File System	Size	Free Space	Health Status
C		NTFS	59 GB	18 GB	0
E	VEEAM2	ReFS	500 GB	461 GB	0
F	VEEAM	NTFS	100 GB	99 GB	0

Table 5 - Backup Server - Volumes

1.1.1.1.3 Network Adapters

Adapter Name	Adapter Description	Mac Address	Link Speed
External	vmxnet3 Ethernet Adapter	00-50-56-B0-10-7A	10 Gbps
ISCSI-A	vmxnet3 Ethernet Adapter #2	00-50-56-B0-66-B1	10 Gbps

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Adapter Name	Adapter Description	Mac Address	Link Speed
ISCSI-B	vmxnet3 Ethernet Adapter #3	00-50-56-B0-EC-C1	10 Gbps

Table 6 - Backup Server - Network Adapters

1.1.1.1.4 IP Address

Interface Name	Interface Description	IPv4 Addresses	Subnet Mask	IPv4 Gateway
External	vmxnet3 Ethernet Adapter	192.168.7.73	24	192.168.7.254
ISCSI-A	vmxnet3 Ethernet Adapter #2	192.168.6.13	24	192.168.6.254
ISCSI-B	vmxnet3 Ethernet Adapter #3	192.168.12.13	24	192.168.12.254

Table 7 - Backup Server - IP Address

1.1.1.2 HealthCheck - Services Status

Display Name	Short Name	Status
Veeam AWS Service	VeeamAWSSvc	Running
Veeam Azure Service	VeeamAzureSvc	Running
Veeam CDP Coordinator Service	VeeamBackupCdpSvc	Running
Veeam Backup Server RESTful API Service	VeeamBackupRETSvc	Running
Veeam Backup Service	VeeamBackupSvc	Running
Veeam Broker Service	VeeamBrokerSvc	Running
Veeam Guest Catalog Service	VeeamCatalogSvc	Running
Veeam Cloud Connect Service	VeeamCloudSvc	Running
Veeam Installer Service	VeeamDeploySvc	Running
Veeam Distribution Service	VeeamDistributionSvc	Running
Veeam Explorers Recovery Service	VeeamExplorersRecoverySvc	Running
Veeam Backup VSS Integration Service	VeeamFilesysVssSvc	Running
Veeam GCP Service	VeeamGCPSvc	Running
Veeam Mount Service	VeeamMountSvc	Running
Veeam vPower NFS Service	VeeamNFSSvc	Running
Veeam Tape Access Service	VeeamTapeSvc	Running
Veeam Data Mover Service	VeeamTransportSvc	Running
Veeam VSS Hardware Provider Service	VeeamVssProviderSvc	Running
Veeam WAN Accelerator Service	VeeamWANSvc	Running

Table 8 - HealthCheck - Services Status - VEEAM-VBR

1.1.1.3 HealthCheck - Network Statistics

Proto	Local IP	Local Port	Remote IP	Remote Port	State	Process Name	PID
UDP	0.0.0.0	1063	*	*		VeeamNFSSvc	3296

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Proto	Local IP	Local Port	Remote IP	Remote Port	State	Process Name	PID
UDP	0.0.0.0	111	*	*		VeeamNFSSvc	3296
UDP	0.0.0.0	2049	*	*		VeeamNFSSvc	3296
TCP	127.0.0.1	49743	127.0.0.1	6290	ESTABLISHED	VeeamTransportSvc	3336
TCP	192.168.7.73	50042	192.168.7.72	1433	ESTABLISHED	Veeam.Backup.UI Server	4576
TCP	192.168.7.73	51129	192.168.7.72	1433	ESTABLISHED	Veeam.Backup.Service	5208
TCP	192.168.7.73	51236	192.168.7.72	1433	ESTABLISHED	Veeam.Backup.Manager	2680
TCP	192.168.7.73	59023	192.168.7.72	1433	ESTABLISHED	Veeam.Backup.Service	5208
TCP	192.168.7.73	59062	192.168.7.72	1433	ESTABLISHED	Veeam.Backup.BrokerService	3692
TCP	192.168.7.73	59102	192.168.7.72	1433	ESTABLISHED	Veeam.Backup.ExternalInfrastructure.DbProvider	5688
TCP	192.168.7.73	59104	192.168.7.72	1433	ESTABLISHED	Veeam.Backup.Manager	4288
TCP	192.168.7.73	59366	192.168.7.72	1433	ESTABLISHED	Veeam.Backup.CloudService	7236
TCP	192.168.7.73	59481	192.168.7.72	1433	ESTABLISHED	Veeam.Backup.Cdp.Service	7544
TCP	192.168.7.73	59492	192.168.7.72	1433	ESTABLISHED	Veeam.Backup.RestAPIService	3876
TCP	127.0.0.1	6290	127.0.0.1	49743	ESTABLISHED	Veeam.Guest.Interaction.Proxy	4336
TCP	192.168.7.73	62911	192.168.7.72	1433	ESTABLISHED	Veeam.Backup.UI Server	4576
TCP	192.168.7.73	63269	192.168.7.208	6160	ESTABLISHED	Veeam.Backup.Manager	2468
TCP	192.168.7.73	64027	192.168.7.72	1433	ESTABLISHED	Veeam.Backup.UI Server	4576
TCP	192.168.7.73	64743	192.168.7.72	1433	ESTABLISHED	Veeam.Backup.Service	5208
TCP	192.168.7.73	65282	192.168.7.72	1433	ESTABLISHED	Veeam.Backup.Manager	2468
TCP	192.168.7.73	65298	192.168.7.72	1433	ESTABLISHED	Veeam.Backup.UI Server	4576
TCP	192.168.7.73	65306	192.168.7.72	1433	ESTABLISHED	Veeam.Backup.Manager	7808
TCP	192.168.7.73	65307	192.168.7.73	9392	ESTABLISHED	Veeam.Backup.Manager	7808
TCP	192.168.7.73	65310	192.168.7.73	9392	ESTABLISHED	Veeam.Backup.UI Server	4576
TCP	192.168.7.73	65312	192.168.7.73	9392	ESTABLISHED	Veeam.Backup.Manager	4288
TCP	192.168.7.73	65313	192.168.7.73	9392	ESTABLISHED	Veeam.Backup.ExternalInfrastructure.DbProvider	5688

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Proto	Local IP	Local Port	Remote IP	Remote Port	State	Process Name	PID
TCP	192.168.7.73	65315	192.168.7.73	9392	ESTABLISHED	Veeam.Backup.Cdp.Service	7544
TCP	192.168.7.73	65319	192.168.7.73	9392	ESTABLISHED	Veeam.Backup.Manager	2468
TCP	192.168.7.73	65321	192.168.7.73	9392	ESTABLISHED	Veeam.Backup.Manager	2680
TCP	192.168.7.73	65324	192.168.7.73	9392	ESTABLISHED	Veeam.Backup.CloudService	7236
TCP	192.168.7.73	9392	192.168.7.73	65312	ESTABLISHED	Veeam.Backup.Service	5208
TCP	192.168.7.73	9392	192.168.7.73	65313	ESTABLISHED	Veeam.Backup.Service	5208
TCP	192.168.7.73	9392	192.168.7.73	65315	ESTABLISHED	Veeam.Backup.Service	5208
TCP	192.168.7.73	9392	192.168.7.73	65324	ESTABLISHED	Veeam.Backup.Service	5208
TCP	192.168.7.73	9392	192.168.7.73	65321	ESTABLISHED	Veeam.Backup.Service	5208
TCP	192.168.7.73	9392	192.168.7.73	65319	ESTABLISHED	Veeam.Backup.Service	5208
TCP	192.168.7.73	9392	192.168.7.73	65307	ESTABLISHED	Veeam.Backup.Service	5208
TCP	192.168.7.73	9392	192.168.7.73	65310	ESTABLISHED	Veeam.Backup.Service	5208
TCP	192.168.7.73	9396	192.168.7.91	25880	ESTABLISHED	Veeam.Backup.UI Server	4576
TCP	192.168.7.73	9396	192.168.7.91	25892	ESTABLISHED	Veeam.Backup.UI Server	4576
TCP	0.0.0.0	10001	0.0.0.0	0	LISTENING	Veeam.Backup.Service	5208
TCP	0.0.0.0	10002	0.0.0.0	0	LISTENING	Veeam.Backup.Service	5208
TCP	0.0.0.0	10003	0.0.0.0	0	LISTENING	Veeam.Backup.CloudService	7236
TCP	0.0.0.0	10005	0.0.0.0	0	LISTENING	Veeam.Backup.Service	5208
TCP	0.0.0.0	10006	0.0.0.0	0	LISTENING	Veeam.Backup.Service	5208
TCP	0.0.0.0	1063	0.0.0.0	0	LISTENING	VeeamNFSSvc	3296
TCP	0.0.0.0	111	0.0.0.0	0	LISTENING	VeeamNFSSvc	3296
TCP	0.0.0.0	11731	0.0.0.0	0	LISTENING	VeeamDeploymentSvc	3252
TCP	127.0.0.1	16170	0.0.0.0	0	LISTENING	Veeam.StandBy.Service	8604
TCP	0.0.0.0	20443	0.0.0.0	0	LISTENING	Veeam.Azure.PlatformSvc	1052
TCP	0.0.0.0	2049	0.0.0.0	0	LISTENING	VeeamNFSSvc	3296
TCP	0.0.0.0	6160	0.0.0.0	0	LISTENING	VeeamDeploymentSvc	3252

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Proto	Local IP	Local Port	Remote IP	Remote Port	State	Process Name	PID
TCP	0.0.0.0	6161	0.0.0.0	0	LISTENING	VeeamNFSSvc	3296
TCP	0.0.0.0	6162	0.0.0.0	0	LISTENING	VeeamTransportSvc	3336
TCP	0.0.0.0	6164	0.0.0.0	0	LISTENING	VeeamWANSvc	3368
TCP	0.0.0.0	6165	0.0.0.0	0	LISTENING	VeeamWANSvc	3368
TCP	0.0.0.0	6166	0.0.0.0	0	LISTENING	VeeamTapeSvc	3344
TCP	0.0.0.0	6169	0.0.0.0	0	LISTENING	Veeam.Backup.CloudService	7236
TCP	0.0.0.0	6170	0.0.0.0	0	LISTENING	Veeam.Backup.MountService	9080
TCP	0.0.0.0	6190	0.0.0.0	0	LISTENING	Veeam.Guest.Interaction.Proxy	4336
TCP	0.0.0.0	6210	0.0.0.0	0	LISTENING	VeeamFilesysVssSvc	3272
TCP	0.0.0.0	6290	0.0.0.0	0	LISTENING	Veeam.Guest.Interaction.Proxy	4336
TCP	0.0.0.0	9380	0.0.0.0	0	LISTENING	Veeam.Backup.Agent.ConfigurationService	3260
TCP	0.0.0.0	9381	0.0.0.0	0	LISTENING	Veeam.Backup.Agent.ConfigurationService	3260
TCP	0.0.0.0	9392	0.0.0.0	0	LISTENING	Veeam.Backup.Service	5208
TCP	0.0.0.0	9393	0.0.0.0	0	LISTENING	Veeam.Backup.CatalogDataService	7008
TCP	0.0.0.0	9396	0.0.0.0	0	LISTENING	Veeam.Backup.UI Server	4576
TCP	0.0.0.0	9401	0.0.0.0	0	LISTENING	Veeam.Backup.Service	5208
TCP	0.0.0.0	9402	0.0.0.0	0	LISTENING	Veeam.CloudBackup.PlatformService	4928
TCP	0.0.0.0	9403	0.0.0.0	0	LISTENING	Veeam.GCP.PlatformService.WebService	2596
TCP	0.0.0.0	9501	0.0.0.0	0	LISTENING	Veeam.Backup.BrokerService	3692
TCP	0.0.0.0	9509	0.0.0.0	0	LISTENING	Veeam.Backup.Cdp.Service	7544
TCP	192.168.7.73	65311	10.10.30.40	443	SYN_SENT	Veeam.Backup.BrokerService	3692

Table 9 - HealthCheck - Network Statistics - VEEAM-VBR

1.1.2 Enterprise Manager Information

The following table details Enterprise Manager information from the local Veeam Backup Server

Server Name	VEEAM-EM.pharmax.local
Server URL	https://VEEAM-EM.pharmax.local:9443/
Skip License Push	No
Is Connected	Yes

Table 10 - Enterprise Manager - VEEAM-VBR

1.1.3 License Information

The following section provides a summary of the Veeam License Information

1.1.3.1 Installed License Information

Licensed To	Zenprsolutions
Edition	EnterprisePlus
Type	NFR
Status	Valid
Expiration Date	Tuesday, December 20, 2022
Support Id	N/A
Support Expiration Date	-
Auto Update Enabled	No
Free Agent Instance	Yes
Cloud Connect	Disabled

Table 11 - Licenses - VEEAM-VBR

1.1.3.1.1 Instance License Usage

Instances Capacity	Used Instances	New Instances	Rental Instances
20	0	0	0

Table 12 - Instances - VEEAM-VBR

1.1.3.1.2 CPU Socket License Usage

Licensed Sockets	Used Sockets Licenses	Remaining Sockets Licenses
0	0	0

Table 13 - CPU Socket Usage - VEEAM-VBR

1.1.3.1.3 Capacity License Usage

Licensed Capacity in Tb	Used Capacity in Tb
0	0

Table 14 - Capacity License Usage - VEEAM-VBR

1.1.4 General Options

The following section details the Veeam Veeam B&R general setting. General settings are applied to all jobs, backup infrastructure components and other objects managed by the backup server.

1.1.4.1 Email Notification Settings

Email Recipient	veeam_admin@pharmax.local,jcolonf@zenprsolutions.com
Email Sender	veeam_admin@pharmax.local
SMTP Server	veeam-ex.pharmax.local
Email Subject	[%JobResult%] %JobName% (%VmCount% machines) %Issues%
SSL Enabled	Yes
Auth Enabled	Yes
Credentials	rebelinux@gmail.com
Daily Reports Time	10:00 PM
Enabled	Yes
Notify On	Notify On Success: Yes Notify On Warning: Yes Notify On Failure: Yes Notify On Last Retry Only: Yes

Table 15 - Email Notification Settings - VEEAM-VBR

1.1.4.2 Storage Latency Control Options

Latency Limit	Throttling IO Limit	Enabled
20/ms	30/ms	Yes

Table 16 - Storage Latency Control Options - VEEAM-VBR

1.1.4.2.1 Per Datastore Latency Control Options

Datastore Name	Latency Limit	Throttling IO Limit
datastore-19991	10/ms	15/ms

Table 17 - Per Datastore Latency Control Options - VEEAM-VBR

1.1.4.3 Backup Server TLS Certificate

Friendly Name	Veeam Backup Server Certificate
Subject Name	CN=Veeam Backup Server Certificate
Issuer Name	CN=Veeam Backup Server Certificate
Expiration Date	12/12/2029
Issued Date	12/12/2019
Thumbprint	441BF4E0C51822054B9968E4E3CFE24BB56CA065
SerialNumber	1B0683F2FF9364A94DBC8B996BECAE8D

Table 18 - TLS Certificate - VEEAM-VBR

1.1.4.4 Network Traffic Rules

The following section details network traffic rules settings configured on Veeam Backup & Replication.

Name	Inter-Site-to-DR
Source IP Start	192.168.7.1
Source IP End	192.168.7.255
Target IP Start	10.10.33.1
Target IP End	10.10.33.255
Encryption Enabled	No
Throttling	Throttling Enabled: Yes Throttling Unit: MbytePerSec Throttling Value: 10 Throttling Windows: Yes

Table 19 - Network Traffic Rules - Inter-Site-to-DR

Name	Internet
Source IP Start	Any
Source IP End	-
Target IP Start	Internet
Target IP End	-
Encryption Enabled	Yes
Throttling	Throttling Enabled: No Throttling Unit: MbitPerSec Throttling Value: 1 Throttling Windows: No

Table 20 - Network Traffic Rules - Internet

1.1.4.4.1 Preferred Networks

IP Address	Subnet Mask	CIDR Notation
192.168.7.0	255.255.255.0	192.168.7.0/24

Table 21 - Preferred Networks - VEEAM-VBR

1.1.5 Roles and Users

The following section provides information on the role that are assigned to a user or a user group.

Name	Type	Role
Administrators	Group	BackupAdmin
PHARMAX\veeam_admin	User	BackupOperator
PHARMAX\vraser	User	BackupOperator

Table 22 - Roles and Users - VEEAM-VBR

1.1.6 Security Credentials

The following table provide information on the credentials managed by Veeam Backup & Replication.

Name	Change Time	Description
admin	12/14/2019	admin netapp
admin	12/24/2021	ONTAP-HQ-SAN

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Name	Change Time	Description
admin	1/16/2022	Isilon Account
administrator@pharmax.local	12/16/2019	administrator@pharmax.local
administrator@vsphere.local	2/27/2021	administrator@vsphere.local
backup_admin1	5/29/2020	veeam_admin netapp nmdp
backup_admin1	1/8/2022	backup_admin1
god	12/28/2021	god
god	12/28/2021	god
rebelinux@gmail.com	12/28/2021	rebelinux@gmail.com
root	12/14/2019	Provider-side network extension appliance credentials
root	12/18/2019	root
root	12/14/2019	Helper appliance credentials
root	12/14/2019	Tenant-side network extension appliance credentials
root	12/14/2019	Azure helper appliance credentials
SYS	12/18/2019	SYS
veeam	7/6/2021	veeam_dxi
VEEAM	12/18/2019	VEEAM
VEEAM_ADMIN	12/18/2019	VEEAM_ADMIN
veeam_admin	12/15/2019	veeam_admin
veeam_admin@pharmax.local	12/14/2019	veeam_admin@pharmax.local
VEEAM-VBR	2/6/2022	VEAM-VBR
VEEAM-VBR	6/30/2021	HP StoreOne VSA

Table 23 - Security Credentials - VEEAM-VBR

1.1.6.1 Service Provider Credentials

The following table provide information about service provider credentials managed by Veeam Backup & Replication.

Name	Description
godadmin	ACME Inc. Provider
ultra_super_god_admin	Super Duper Backup Provider Credential

Table 24 - Service Provider Credentials - VEEAM-VBR

1.1.7 Virtualization Servers and Hosts

The following section display managed servers.

Name	Description	Status
veeam-dxi.pharmax.local	Linux host	Unavailable
veeam-lnx-px.pharmax.local	Linux host	Available
pharmax-cluster.pharmax.local	Microsoft Hyper-V cluster	Available
VEEAM-HV-02	Microsoft Hyper-V server	Unavailable
VEEAM-HV-01	Microsoft Hyper-V server	Unavailable
VEEAM-HV-02.pharmax.local	Microsoft Windows server	Unavailable

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Name	Description	Status
VEEAM-VBR.pharmax.local	Microsoft Windows server	Available
VEEAM-HV-01.pharmax.local	Microsoft Windows server	Available
server-dc-01v	Microsoft Windows server	Available
VEEAM-VBR-02V.pharmax.local	Microsoft Windows server	Available
ONTAP-HQ-SAN-IC.pharmax.local	NDMP server	Unavailable
192.168.5.18:/oracle	NFS file share	Available
\\server-dc-01v\UEMConfig	SMB file share	Available
\\isilon_nas.pharmax.local\DATA	SMB file share	Available
PHARMAX-ISILON\System:\DATA	SMB filer	Available
PHARMAX-HQ	Storage	Available
PHARMAX-ISILON	Storage	Available
PHARMAX-DR	Storage	Available
ONTAP-HQ-SAN	Storage	Available
ONTAP-DR-SAN	Storage	Available
comp-01a.pharmax.local	VMware ESXi server	Available
comp-02a.pharmax.local	VMware ESXi server	Available
esxsvr-00f.pharmax.local	VMware ESXi server	Available
edge-01a.pharmax.local	VMware ESXi server	Available
vcenter-03v.pharmax.local	VMware vCenter server	Available
vcenter-01v.pharmax.local	VMware vCenter server	Available

Table 25 - Managed Servers - VEEAM-VBR

1.1.8 Backup Proxies

The following section provides a summary of the Veeam Backup Proxies

1.1.8.1 VMware Backup Proxies

Name	veeam-lnx-px.pharmax.local
Host Name	veeam-lnx-px.pharmax.local
Type	Vi
Disabled	No
Max Tasks Count	2
Use Ssl	No
Failover To Network	Yes
Transport Mode	Auto
Chassis Type	ViVirtual
OS Type	Linux
Services Credential	-
Status	Available

Table 26 - Backup Proxy - veeam-lnx-px.pharmax.local

Name	VMware Backup Proxy
Host Name	VEEAM-VBR.pharmax.local
Type	Vi
Disabled	No

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Max Tasks Count	2
Use Ssl	No
Failover To Network	Yes
Transport Mode	Auto
Chassis Type	ViVirtual
OS Type	Local
Services Credential	-
Status	Available

Table 27 - Backup Proxy - VMware Backup Proxy

Name	VEEAM-VBR-02V.pharmax.local
Host Name	VEEAM-VBR-02V.pharmax.local
Type	Vi
Disabled	No
Max Tasks Count	2
Use Ssl	No
Failover To Network	Yes
Transport Mode	Auto
Chassis Type	ViVirtual
OS Type	Windows
Services Credential	administrator@pharmax.local
Status	Available

Table 28 - Backup Proxy - VEEAM-VBR-02V.pharmax.local

1.1.8.1.1 VEEAM-VBR-02V Inventory Summary

Name	VEEAM-VBR-02V
Windows Product Name	Windows Server 2022 Datacenter
Windows Current Version	6.3
Windows Build Number	10.0.20344
Windows Install Type	Server
Active Directory Domain	pharmax.local
Windows Installation Date	12/20/2021 10:22:51
Time Zone	(UTC-04:00) Georgetown, La Paz, Manaus, San Juan
License Type	
Partial Product Key	
Manufacturer	VMware, Inc.
Model	VMware7,1
Serial Number	VMware-42 30 a1 96 fa e8 cc 89-a4 2b ac 48 a6 88 1c 95
Bios Type	Uefi
BIOS Version	INTEL - 6040000
Processor Manufacturer	GenuineIntel
Processor Model	Intel(R) Core(TM) i7-6700 CPU @ 3.40GHz
Number of CPU Cores	2
Number of Logical Cores	2
Physical Memory (GB)	4 GB

Table 29 - Backup Proxy Inventory - VEEAM-VBR-02V

1.1.8.1.1.1 Local Disks

Disk Number	Model	Serial Number	Partition Style	Disk Size
0	Virtual disk	6000c298c298c0d 02feed362b8c9388 8	2	40 GB
1	Virtual disk	6000c298728ba2e b597c2f4188f201d 7	2	100 GB
2	Virtual disk	6000c295bcc8c34 352b1ae03aadccff 2	2	100 GB

Table 30 - Local Disks - VEEAM-VBR-02V

1.1.8.1.1.2 Host Volumes

Drive Letter	File System Label	File System	Size	Free Space	Health Status
C		NTFS	39 GB	27 GB	0
E	Backup Drive	ReFS	100 GB	6 GB	0
F	Backup Drive	ReFS	100 GB	91 GB	0

Table 31 - Volumes - VEEAM-VBR-02V

1.1.8.1.1.3 Network Adapters

Adapter Name	Adapter Description	Mac Address	Link Speed
Ethernet0 2	vmxnet3 Ethernet Adapter	00-50-56-B0-18-9E	10 Gbps

Table 32 - Network Adapters - VEEAM-VBR-02V

1.1.8.1.1.4 IP Address

Interface Name	Interface Description	IPv4 Addresses	Subnet Mask	IPv4 Gateway
Ethernet0 2	vmxnet3 Ethernet Adapter	192.168.7.189	24	192.168.7.254

Table 33 - IP Address - VEEAM-VBR-02V

1.1.8.1.2 HealthCheck - VEEAM-VBR-02V Services Status

Display Name	Short Name	Status
Veeam Backup VSS Integration Service	VeeamFilesysVssSvc	Running
Veeam Data Mover Service	VeeamTransportSvc	Running

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Display Name	Short Name	Status
Veeam Explorers Recovery Service	VeeamExplorersRecoverySvc	Running
Veeam Installer Service	VeeamDeploySvc	Running
Veeam Mount Service	VeeamMountSvc	Running
Veeam Tape Access Service	VeeamTapeSvc	Running
Veeam vPower NFS Service	VeeamNFSSvc	Running
Veeam VSS Hardware Provider Service	VeeamVssProviderSvc	Running
Veeam WAN Accelerator Service	VeeamWANSvc	Running

Table 34 - HealthCheck - Services Status - VEEAM-VBR-02V

1.1.8.2 Hyper-V Backup Proxies

Name	VEEAM-HV-02.pharmax.local
Host Name	VEEAM-HV-02.pharmax.local
Type	HvOffhost
Disabled	No
Max Tasks Count	2
AutoDetect Volumes	Yes
OS Type	Windows
Services Credential	veeam_admin@pharmax.local
Status	Unavailable

Table 35 - Backup Proxy - VEEAM-HV-02

Name	VEEAM-HV-01.pharmax.local
Host Name	VEEAM-HV-01.pharmax.local
Type	HvOffhost
Disabled	No
Max Tasks Count	2
AutoDetect Volumes	Yes
OS Type	Windows
Services Credential	administrator@pharmax.local
Status	Available

Table 36 - Backup Proxy - VEEAM-HV-01

1.1.8.2.1 VEEAM-HV-01 Inventory Summary

Name	VEEAM-HV-01
Windows Product Name	Windows Server 2022 Datacenter Evaluation
Windows Current Version	6.3
Windows Build Number	10.0.20348
Windows Install Type	Server
Active Directory Domain	pharmax.local
Windows Installation Date	02/03/2022 14:50:43
Time Zone	(UTC-04:00) Georgetown, La Paz, Manaus, San Juan
License Type	Retail:TB:Eval
Partial Product Key	37CYR

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Manufacturer	VMware, Inc.
Model	VMware7,1
Serial Number	VMware-42 30 2d 61 96 65 45 67-67 24 16 00 c6 1f 08 81
Bios Type	Uefi
BIOS Version	INTEL - 6040000
Processor Manufacturer	GenuineIntel
Processor Model	Intel(R) Core(TM) i7-6700 CPU @ 3.40GHz
Number of CPU Cores	2
Number of Logical Cores	2
Physical Memory (GB)	8 GB

Table 37 - Backup Proxy Inventory - VEEAM-HV-01

1.1.8.2.1.1 Local Disks

Disk Number	Model	Serial Number	Partition Style	Disk Size
0	Virtual disk		2	100 GB

Table 38 - Local Disks - VEEAM-HV-02

1.1.8.2.1.2 Host Volumes

Drive Letter	File System Label	File System	Size	Free Space	Health Status
C		NTFS	99 GB	80 GB	0

Table 39 - Volumes - VEEAM-HV-02

1.1.8.2.1.3 Network Adapters

Adapter Name	Adapter Description	Mac Address	Link Speed
Ethernet0	vmxnet3 Ethernet Adapter	00-50-56-B0-B7-4F	10 Gbps
Ethernet1	vmxnet3 Ethernet Adapter #3	00-50-56-B0-8B-B2	10 Gbps
Ethernet2	vmxnet3 Ethernet Adapter #2	00-50-56-B0-59-F6	10 Gbps
vEthernet (vmxnet3 Ethernet Adapter - Virtual Switch)	Hyper-V Virtual Ethernet Adapter	00-50-56-B0-B7-4F	10 Gbps

Table 40 - Network Adapters - VEEAM-HV-02

1.1.8.2.1.4 IP Address

Interface Name	Interface Description	IPv4 Addresses	Subnet Mask	IPv4 Gateway
Ethernet1	vmxnet3 Ethernet Adapter #3	192.168.6.18	24	192.168.6.254

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Interface Name	Interface Description	IPv4 Addresses	Subnet Mask	IPv4 Gateway
Ethernet2	vmxnet3 Ethernet Adapter #2	192.168.12.16	24	192.168.12.254
vEthernet (vmxnet3 Ethernet Adapter - Virtual Switch)	Hyper-V Virtual Ethernet Adapter	192.168.7.208	24	192.168.7.254

Table 41 - IP Address - VEEAM-HV-02

1.1.8.2.2 HealthCheck - VEEAM-HV-01 Services Status

Display Name	Short Name	Status
Veeam Data Mover Service	VeeamTransportSvc	Running
Veeam Hyper-V Integration Service	VeeamHvIntegrationSvc	Running
Veeam Installer Service	VeeamDeploySvc	Running

Table 42 - HealthCheck - Services Status - VEEAM-HV-01

1.1.9 WAN Accelerators

The following section provides information on WAN Accelerator. WAN accelerators are responsible for global data caching and data deduplication

Name	VEEAM-VBR
Host Name	VEEAM-VBR.pharmax.local
Is Public	Yes
Management Port	6164\TCP
Service IP Address	192.168.7.73, 192.168.12.13, 192.168.6.13
Traffic Port	6165\TCP
Max Tasks Count	1
Download Stream Count	5
Enable Performance Mode	Yes
Configured Cache	False
Cache Path	E:\VeeamWAN
Max Cache Size	100 GB

Table 43 - Wan Accelerator - VEEAM-VBR.pharmax.local

Name	VEEAM-VBR-02V.pharmax.local
Host Name	VEEAM-VBR-02V.pharmax.local
Is Public	Yes
Management Port	6164\TCP
Service IP Address	192.168.7.189
Traffic Port	6165\TCP
Max Tasks Count	1
Download Stream Count	5
Enable Performance Mode	No
Configured Cache	True
Cache Path	E:\VeeamWAN
Max Cache Size	100 GB

Table 44 - Wan Accelerator - VEEAM-VBR-02V.pharmax.local

1.1.10 Backup Repository

The following section provides a summary of the Veeam Backup Server.

Name	Total Space	Free Space	Space Used	Status
E - Backup Repository	499 Gb	461 Gb	7.62%	Available
E - Backup Repository - VEEAM-VBR-02V	99 Gb	5 Gb	94.95%	Available
F - Backup Repository	99 Gb	99 Gb	0	Available
F - Backup Repository - VEEAM-VBR-02V	99 Gb	90 Gb	9.09%	Available
Linux - Hardened Repository	199 Gb	198 Gb	0.50%	Available
VEEAM-DD	351 Gb	291 Gb	17.09%	Unavailable
VEEAM-HPE-StoreOnce-VSA	0 Gb	0 Gb	0	Unavailable

Table 45 - Backup Repository - VEEAM-VBR

1.1.10.1 Backup Repository Configuration

The following section provides a detailed information of the Veeam Backup Repository Configuration

1.1.10.1.1 VEEAM-DD

The following section provides a detailed information of the VEEAM-DD Backup Repository

Backup Proxy	VEEAM-VBR.pharmax.local
Integration Type	Dell EMC Data Domain
Path	ddbost://VEEAM-DD.pharmax.local:VEEAM_BACKUP@/
Connection Type	DDBoost
Max Task Count	15
Use Nfs On Mount Host	Yes
San Snapshot Only	No
Dedup Storage	Yes
Split Storages Per Vm	Yes
Immutability Supported	No
Version Of Creation	9.5.4.2866
Has Backup Chain Length Limitation	Yes

Table 46 - Backup Repository - VEEAM-DD

1.1.10.1.2 ONTAP Snapshot

The following section provides a detailed information of the ONTAP Snapshot Backup Repository

Backup Proxy	VEEAM-VBR.pharmax.local
Integration Type	Unknown type
Path	ONTAP Storage

Connection Type	SanSnapshotOnly
Max Task Count	4
Use Nfs On Mount Host	No
San Snapshot Only	Yes
Dedup Storage	No
Split Storages Per Vm	No
Immutability Supported	No
Version Of Creation	11.0.0.837
Has Backup Chain Length Limitation	No

Table 47 - Backup Repository - ONTAP Snapshot

1.1.10.1.3 VEEAM-HPE-StoreOnce-VSA

The following section provides a detailed information of the VEEAM-HPE-StoreOnce-VSA Backup Repository

Backup Proxy	VEEAM-VBR.pharmax.local
Integration Type	HPE StoreOnce
Path	storeonce://veeam-hsv.pharmax.local:VEEAM-VLT-HPE@/
Connection Type	HPStoreOnceIntegration
Max Task Count	4
Use Nfs On Mount Host	Yes
San Snapshot Only	No
Dedup Storage	Yes
Split Storages Per Vm	Yes
Immutability Supported	No
Version Of Creation	11.0.0.837
Has Backup Chain Length Limitation	Yes

Table 48 - Backup Repository - VEEAM-HPE-StoreOnce-VSA

1.1.10.1.4 Linux - Hardened Repository

The following section provides a detailed information of the Linux - Hardened Repository Backup Repository

Backup Proxy	veeam-lnx-px.pharmax.local
Integration Type	Linux
Path	/backup_data/backups
Connection Type	LinuxLocal
Max Task Count	4
Use Nfs On Mount Host	Yes
San Snapshot Only	No
Dedup Storage	No
Split Storages Per Vm	No
Immutability Supported	Yes
Version Of Creation	11.0.1.1261
Has Backup Chain Length Limitation	No

Table 49 - Backup Repository - Linux - Hardened Repository

1.1.11 Object Storage Repository

The following section provides a summary of the Veeam Object Storage Repository.

Name	Type	Use Gateway Server	Gateway Server
AWS - S3 - Backup	AmazonS3	True	VEEAM-VBR
Object storage repository - Minio	AmazonS3Compatible	False	-
OS - Azure Blob	AzureBlob	True	VEEAM-VBR

Table 50 - Object Storage Repository - VEEAM-VBR

1.1.11.1 Archive Object Storage Repository

The following section provides a detailed information of the Archive Object Storage Backup Repository

1.1.11.1.1 AWS - S3 Glacier

The following section provides a detailed information of the AWS - S3 Glacier Backup Repository

Gateway Server	veeam-lnx-px
Gateway Server Enabled	Yes
Archive Type	AmazonS3Glacier
AWS Deep Archive	Yes
AWS Backup Immutability	No
AWS Proxy Instance Type	m5a.large
AWS Proxy Instance vCPU	2
AWS Proxy Instance Memory	8
AWS Proxy Subnet	172.31.32.0/20
AWS Proxy Security Group	veeam-auto-cfdff081-b091-4108-a943-a03340a08644
AWS Proxy Availability Zone	us-east-1b

Table 51 - Archive Object Storage Repository - AWS - S3 Glacier

1.1.11.1.2 Azure - Blob Archives

The following section provides a detailed information of the Azure - Blob Archives Backup Repository

Gateway Server	veeam-lnx-px
Gateway Server Enabled	Yes
Archive Type	AzureArchive
Azure Service Type	ArchiveTier
Azure Archive Container	veeam-backup
Azure Archive Folder	veeam-archive
Azure Proxy Resource Group	VEEAM_Backup

Azure Proxy Network	veeam-auto-8d5e8583-eb6c-40d9-a414-f5138f127637
Azure Proxy VM Size	Standard_D2
Azure Proxy VM vCPU	2
Azure Proxy VM Memory	7
Azure Proxy VM Max Disks	8
Azure Proxy VM Location	eastus

Table 52 - Archive Object Storage Repository - Azure - Blob Archives

1.1.12 ScaleOut Backup Repository

The following section provides a summary of the ScaleOut Backup Repository

Name	Performance Tier	Capacity Tier Enabled	Capacity Tier
SOBR - AWS S3	F - Backup Repository E - Backup Repository - VEEAM-VBR-02V	Yes	AWS - S3 - Backup
SOBR - Azure Blob	F - Backup Repository - VEEAM-VBR-02V	Yes	OS - Azure Blob
SOBR - Minio	E - Backup Repository	Yes	Object storage repository - Minio

Table 53 - Scale Backup Repository - VEEAM-VBR

1.1.12.1 ScaleOut Backup Repository Configuration

The following section provides a detailed information of the ScaleOut Backup Repository

1.1.12.1.1 SOBR - Minio

The following section provides a detailed information of the SOBR - Minio ScaleOut Backup Repository

1.1.12.1.1.1 Performance Tier

The following section provides a detailed information of the Performance Tier

Name	E - Backup Repository
Repository	E - Backup Repository
Status	Normal
Total Space	499 GB
Used Space	461 GB

Table 54 - E - Backup Repository Information - VEEAM-VBR

1.1.12.1.1.2 Capacity Tier

The following section provides a detailed information of the Capacity Tier

Name	Object storage repository - Minio
Service Point	https://veeam-minio.pharmax.local:9000/
Type	AmazonS3Compatible
Amazon S3 Folder	SOBR
Use Gateway Server	No
Gateway Server	Auto
Immutability Period	30
Size Limit Enabled	No
Size Limit	10240

Table 55 - Object storage repository - Minio Information - VEEAM-VBR

1.1.12.1.2 SOBR - AWS S3

The following section provides a detailed information of the SOBR - AWS S3 ScaleOut Backup Repository

1.1.12.1.2.1 Performance Tier

The following section provides a detailed information of the Performance Tier

Name	F - Backup Repository
Repository	F - Backup Repository
Status	Normal
Total Space	99 99 GB
Used Space	99 5 GB

Table 56 - F - Backup Repository Information - VEEAM-VBR

1.1.12.1.2.2 Performance Tier

The following section provides a detailed information of the Performance Tier

Name	E - Backup Repository - VEEAM-VBR-02V
Repository	E - Backup Repository - VEEAM-VBR-02V
Status	Normal
Total Space	99 99 GB
Used Space	99 5 GB

Table 57 - E - Backup Repository - VEEAM-VBR-02V Information - VEEAM-VBR

1.1.12.1.2.3 Capacity Tier

The following section provides a detailed information of the Capacity Tier

Name	AWS - S3 - Backup
Type	AmazonS3
Amazon S3 Folder	backuptest
Use Gateway Server	Yes
Gateway Server	VEEAM-VBR.pharmax.local
Immutability Period	30
Size Limit Enabled	No
Size Limit	10240
Use IA Storage Class	No
Use OZ IA Storage Class	No

Table 58 - AWS - S3 - Backup Information - VEEAM-VBR

1.1.12.1.3 SOBR - Azure Blob

The following section provides a detailed information of the SOBR - Azure Blob ScaleOut Backup Repository

1.1.12.1.3.1 Performance Tier

The following section provides a detailed information of the Performance Tier

Name	F - Backup Repository - VEEAM-VBR-02V
Repository	F - Backup Repository - VEEAM-VBR-02V
Status	Normal
Total Space	99 GB
Used Space	90 GB

Table 59 - F - Backup Repository - VEEAM-VBR-02V Information - VEEAM-VBR

1.1.12.1.3.2 Capacity Tier

The following section provides a detailed information of the Capacity Tier

Name	OS - Azure Blob
Type	AzureBlob
Use Gateway Server	Yes
Gateway Server	VEEAM-VBR.pharmax.local
Size Limit Enabled	No
Size Limit	10240
Azure Blob Name	backups
Azure Blob Container	veeam-backup

Table 60 - OS - Azure Blob Information - VEEAM-VBR

1.1.13 SureBackup Configuration

The following section provides a summary of SureBackup.

1.1.13.1 Application Groups

The following section provides a summary of the Veeam SureBackup Application Groups.

Name	Platform	VM List
HV - APPGroup	HyperV	WIN
PHARMAX-AG	VMWare	smallserver-01v, LINUX-VM

Table 61 - Application Group - VEEAM-VBR

1.1.13.2 HV - APPGroup VM Settings

1.1.13.2.1 WIN

The following section provides a detailed information of the VM Application Group Settings

VM Name	WIN
Credentials	-
Role	-
Test Script	-
Startup Options	Allocated Memory: 100 Heartbeat Check: Yes Maximum Boot Time: 600 App Init Timeout: 120 Ping Check: Yes

Table 62 - Application Group VM Settings - WIN

1.1.13.3 PHARMAX-AG VM Settings

1.1.13.3.1 smallserver-01v

The following section provides a detailed information of the VM Application Group Settings

VM Name	smallserver-01v
Credentials	-
Role	-
Test Script	-
Startup Options	Allocated Memory: 100 Heartbeat Check: Yes Maximum Boot Time: 600 App Init Timeout: 120 Ping Check: Yes

Table 63 - Application Group VM Settings - smallserver-01v

1.1.13.3.2 LINUX-VM

The following section provides a detailed information of the VM Application Group Settings

VM Name	LINUX-VM
Credentials	root
Role	DNSServer, DomainControllerAuthoritative, GlobalCatalog, MailServer, SQLServer, VBO, WebServer
Test Script	WebServer, SQLServer, DNSServer, DomainController, GlobalCatalog, MailServer, VBO
Startup Options	Allocated Memory: 100 Heartbeat Check: No Maximum Boot Time: 7800 App Init Timeout: 120 Ping Check: No

Table 64 - Application Group VM Settings - LINUX-VM

1.1.13.4 Virtual Labs

The following section provides a summary of the Veeam SureBackup Virtual Lab.

Name	Platform	Physical Host	Physical Host Version
PHARMAX-HV-VLAB	HyperV	VEEAM-HV-01	Microsoft Windows Server 2022 Datacenter Evaluation 64-bit (10.0.20348 build:20348)
PHARMAX-VLAB	VMWare	esxsvr-00f	VMware ESXi 7.0.3 build-19193900

Table 65 - Virtual Lab - VEEAM-VBR

1.1.13.5 Virtual Labs Configuration

1.1.13.5.1 PHARMAX-VLAB Settings

Host	esxsvr-00f.pharmax.local
Resource Pool	PHARMAX-VLAB
VM Folder	PHARMAX-VLAB
Cache Datastore	SSD-VM-HIGH-CAPACITY-PERF-KN
Proxy Appliance	PHARMAX-VLAB
Proxy Appliance Enabled	Yes
Networking Type	Advanced
Production Network	DVS-Esxi-VM-Network-DR DVS-ESXi-MANAGEMENT
Isolated Network	PHARMAX-VLAB DVS-Esxi-VM-Network-DR PHARMAX-VLAB DVS-ESXi-MANAGEMENT
Routing Between vNics	No
Multi Host	No
Ip Mapping Rule	Isolated IP Address: 10.10.33.4 Access IP Address: 192.168.5.3
Static IP Mapping	Yes

Table 66 - Virtual Lab Settings - PHARMAX-VLAB

1.1.13.5.1.1 vNIC Settings

Isolated Network	VLAN ID	DHCP Enabled	Network Properties
PHARMAX-VLAB DVS-ESXi-MANAGEMENT	5	Yes	IP Address: 192.168.5.254 Subnet Mask: 255.255.255.0 Masquerade IP: 192.168.255.0 DNS Server: 192.168.5.1
PHARMAX-VLAB DVS-Esxi-VM-Network-DR	33	Yes	IP Address: 10.10.33.254 Subnet Mask: 255.255.255.0 Masquerade IP: 10.255.255.0 DNS Server: 192.168.5.1

Table 67 - vNIC Settings - PHARMAX-VLAB

1.1.13.5.1.2 IP Address Mapping

Production Network	Isolated IP Address	Access IP Address	Notes
DVS-Esxi-VM-Network-DR	10.10.33.4	192.168.5.3	IP Address used to access oracle instance

Table 68 - IP Address Mapping - PHARMAX-VLAB

1.2 Tape Infrastructure Summary

The following section provides inventory information of the Tape Infrastructure managed by Veeam Server veeam-vbr.pharmax.local.

1.2.1 Tape Servers

The following section provides summary information on Tape Servers.

Name	Description	Status
VEEAM-VBR	Pharmax HQ Tape Server	Available
VEEAM-VBR-02V.pharmax.local	Created by PHARMAX\jocolon at 1/6/2022 9:16 PM.	Available

Table 69 - Tape Server - VEEAM-VBR

1.2.2 Tape Libraries

The following section provides summary information on Veeam Tape Server connected Tape Library.

1.2.2.1 HP MSL G3 Series 9.50 Tape Library

Library Name	HP MSL G3 Series 9.50
Library Model	MSL G3 Series
Library Type	Automated

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Number of Slots	96
Connected to	VEEAM-VBR-02V.pharmax.local
Enabled	Yes
Status	Unavailable

Table 70 - Tape Library - HP MSL G3 Series 9.50

1.2.2.1.1 Tape Drives

Name	Model	Serial Number	Medium	Enabled	Is Locked	State
Tape0	HPE Ultrium 8-SCSI	3E4C4D2070	SWV4O001	No	No	Offline
Tape1	HPE Ultrium 8-SCSI	3E4C4D2071	SWV4O02U	No	No	Offline
Tape2	HPE Ultrium 8-SCSI	3E4C4D2072	SWV4O02V	No	No	Offline
Tape3	HPE Ultrium 8-SCSI	3E4C4D2073	SWV4O030	No	No	Offline

Table 71 - Tape Drives - HP MSL G3 Series 9.50

1.2.2.1.2 Tape Mediums

Name	Expiration Date	Total Space	Free Space	Locked	Retired	Worm
SWV4O02G	-	12 TB	12 TB	No	No	No
SWV4O02E	-	12 TB	12 TB	No	No	No
SWV4O00K	-	12 TB	12 TB	No	No	No
SWV4O00I	-	12 TB	12 TB	No	No	No
SWV4O02K	-	12 TB	12 TB	No	No	No
SWV4O004	-	12 TB	12 TB	No	No	No
SWV4O01H	-	12 TB	12 TB	No	No	No
SWV4O01P	-	12 TB	12 TB	No	No	No
SWV4O01V	-	12 TB	12 TB	No	No	No
SWV4O00U	-	12 TB	12 TB	No	No	No
SWV4O02H	-	12 TB	12 TB	No	No	No
SWV4O00E	-	12 TB	12 TB	No	No	No
SWV4O01R	-	12 TB	12 TB	No	No	No
SWV4O00D	-	12 TB	12 TB	No	No	No
SWV4O013	-	12 TB	12 TB	No	No	No
SWV4O026	-	12 TB	12 TB	No	No	No
SWV4O00Q	-	12 TB	12 TB	No	No	No
SWV4O002	-	12 TB	12 TB	No	No	No
SWV4O027	-	12 TB	12 TB	No	No	No
SWV4O00B	-	12 TB	12 TB	No	No	No
SWV4O02O	-	12 TB	12 TB	No	No	No
SWV4O00N	-	12 TB	12 TB	No	No	No
SWV4O01T	-	12 TB	12 TB	No	No	No

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Name	Expiration Date	Total Space	Free Space	Locked	Retired	Worm
SWV4O02Q	-	12 TB	12 TB	No	No	No
SWV4O02F	-	12 TB	12 TB	No	No	No
SWV4O00C	-	12 TB	12 TB	No	No	No
SWV4O01E	-	12 TB	12 TB	No	No	No
SWV4O02P	-	12 TB	12 TB	No	No	No
SWV4O02L	-	12 TB	12 TB	No	No	No
SWV4O008	-	12 TB	12 TB	No	No	No
SWV4O025	-	12 TB	12 TB	No	No	No
SWV4O02U	-	12 TB	12 TB	No	No	No
SWV4O01J	-	12 TB	12 TB	No	No	No
SWV4O00M	-	12 TB	12 TB	No	No	No
SWV4O024	-	12 TB	12 TB	No	No	No
SWV4O01S	-	12 TB	12 TB	No	No	No
SWV4O02M	-	12 TB	12 TB	No	No	No
SWV4O00H	-	12 TB	12 TB	No	No	No
SWV4O00R	-	12 TB	12 TB	No	No	No
SWV4O021	-	12 TB	12 TB	No	No	No
SWV4O019	-	12 TB	12 TB	No	No	No
SWV4O029	-	12 TB	12 TB	No	No	No
SWV4O007	-	12 TB	12 TB	No	No	No
SWV4O02S	-	12 TB	12 TB	No	No	No
SWV4O00J	-	12 TB	12 TB	No	No	No
SWV4O02D	-	12 TB	12 TB	No	No	No
SWV4O030	-	12 TB	12 TB	No	No	No
SWV4O00T	-	12 TB	12 TB	No	No	No
SWV4O02V	-	12 TB	12 TB	No	No	No
SWV4O01I	-	12 TB	12 TB	No	No	No
SWV4O009	-	12 TB	12 TB	No	No	No
SWV4O01D	-	12 TB	12 TB	No	No	No
SWV4O020	-	12 TB	12 TB	No	No	No
SWV4O015	-	12 TB	12 TB	No	No	No
SWV4O010	-	12 TB	12 TB	No	No	No
SWV4O01L	-	12 TB	12 TB	No	No	No
SWV4O02A	-	12 TB	12 TB	No	No	No
SWV4O003	-	12 TB	12 TB	No	No	No
SWV4O01K	-	12 TB	12 TB	No	No	No
SWV4O022	-	12 TB	12 TB	No	No	No
SWV4O01A	-	12 TB	12 TB	No	No	No
SWV4O01U	-	12 TB	12 TB	No	No	No
SWV4O02C	-	12 TB	12 TB	No	No	No
SWV4O00G	-	12 TB	12 TB	No	No	No
SWV4O006	-	12 TB	12 TB	No	No	No
SWV4O005	-	12 TB	12 TB	No	No	No
SWV4O00O	-	12 TB	12 TB	No	No	No
SWV4O00A	-	12 TB	12 TB	No	No	No
SWV4O012	-	12 TB	12 TB	No	No	No

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Name	Expiration Date	Total Space	Free Space	Locked	Retired	Worm
SWV4O00V	-	12 TB	12 TB	No	No	No
SWV4O01G	-	12 TB	12 TB	No	No	No
SWV4O01O	-	12 TB	12 TB	No	No	No
SWV4O02N	-	12 TB	12 TB	No	No	No
SWV4O02T	-	0 KB	0 KB	No	No	No
SWV4O001	12/31/9999	12 TB	12 TB	No	No	No
SWV4O00S	-	12 TB	12 TB	No	No	No
SWV4O02J	-	12 TB	12 TB	No	No	No
SWV4O018	-	12 TB	12 TB	No	No	No
SWV4O023	-	12 TB	12 TB	No	No	No
SWV4O011	-	12 TB	12 TB	No	No	No
SWV4O01C	-	12 TB	12 TB	No	No	No
SWV4O02B	-	12 TB	12 TB	No	No	No
SWV4O01M	-	12 TB	12 TB	No	No	No
SWV4O00L	-	12 TB	12 TB	No	No	No
SWV4O02R	-	12 TB	12 TB	No	No	No
SWV4O014	-	12 TB	12 TB	No	No	No
SWV4O01F	-	12 TB	12 TB	No	No	No
SWV4O02I	-	12 TB	12 TB	No	No	No
SWV4O01N	-	12 TB	12 TB	No	No	No
SWV4O016	-	12 TB	12 TB	No	No	No
SWV4O00P	-	12 TB	12 TB	No	No	No
SWV4O017	-	12 TB	12 TB	No	No	No
SWV4O028	-	12 TB	12 TB	No	No	No
SWV4O00F	-	12 TB	12 TB	No	No	No
SWV4O01Q	-	12 TB	12 TB	No	No	No
SWV4O01B	-	12 TB	12 TB	No	No	No

Table 72 - Tape Mediums - HP MSL G3 Series 9.50

1.2.2.2 HP MSL G3 Series 9.50 Tape Library

Library Name	HP MSL G3 Series 9.50
Library Model	MSL G3 Series
Library Type	Automated
Number of Slots	96
Connected to	VEEAM-VBR-02V.pharmax.local
Enabled	Yes
Status	Unavailable

Table 73 - Tape Library - HP MSL G3 Series 9.50

1.2.2.2.1 Tape Mediums

Name	Expiration Date	Total Space	Free Space	Locked	Retired	Worm
SW24P003	-	0 KB	0 KB	No	No	No
SW24P006	-	0 KB	0 KB	No	No	No
SW24P004	-	0 KB	0 KB	No	No	No
SW24P002	-	0 KB	0 KB	No	No	No
SW24P007	-	0 KB	0 KB	No	No	No
SW24P005	-	0 KB	0 KB	No	No	No

Table 74 - Tape Mediums - HP MSL G3 Series 9.50

1.2.2.3 QUANTUM Scalar i2000 7000 Tape Library

Library Name	QUANTUM Scalar i2000 7000
Library Model	Scalar i2000
Library Type	Automated
Number of Slots	20
Connected to	VEEAM-VBR
Enabled	Yes
Status	Available

Table 75 - Tape Library - QUANTUM Scalar i2000 7000

1.2.2.3.1 Tape Drives

Name	Model	Serial Number	Medium	Enabled	Is Locked	State
Tape0	IBM ULT3580-TD8	0527746823		Yes	No	Empty
Tape1	IBM ULT3580-TD8	1657072330		Yes	No	Empty
Tape3	IBM ULT3580-TD8	1260008002		Yes	No	Empty

Table 76 - Tape Drives - QUANTUM Scalar i2000 7000

1.2.2.3.2 Tape Mediums

Name	Expiration Date	Total Space	Free Space	Locked	Retired	Worm
TEK000L8	7/13/2021	12 TB	12 TB	No	No	No
affe30L8	-	0 KB	0 KB	No	No	No
affe29L8	-	0 KB	0 KB	No	No	No
affe27L8	-	0 KB	0 KB	No	No	No
affe26L8	-	0 KB	0 KB	No	No	No
TEK001L8	7/5/2022	12 TB	12 TB	No	No	No
TEK002L8	1/3/2023	12 TB	12 TB	No	No	No

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Name	Expiration Date	Total Space	Free Space	Locked	Retired	Worm
affe23L8	-	0 KB	0 KB	No	No	No
affe24L8	-	0 KB	0 KB	No	No	No
affe25L8	-	0 KB	0 KB	No	No	No
affe28L8	-	0 KB	0 KB	No	No	No

Table 77 - Tape Mediums - QUANTUM Scalar i2000 7000

1.2.3 Tape Media Pools

Name	Type	Tape Count	Total Space	Free Space	Tape Library
Free	Free	90	1032 TB	1032 TB	HP MSL G3 Series 9.50
GFS Media Pool 1	Gfs	0	35 TB	35 TB	QUANTUM Scalar i2000 7000
Imported	Imported	0	0 KB	0 KB	HP MSL G3 Series 9.50
Oracle - Media Pool	Custom	9	108 TB	108 TB	HP MSL G3 Series 9.50
Retired	Retired	0	0 KB	0 KB	HP MSL G3 Series 9.50
Standard Media Pool	Custom	3	0 KB	0 KB	HP MSL G3 Series 9.50
Unrecognized	Unrecognized	8	0 KB	0 KB	HP MSL G3 Series 9.50

Table 78 - Tape Media Pools - VEEAM-VBR

1.2.4 Tape Vaults

Name	Description	Automatic Protect	Location
DR - Tape Vault	Created by PHARMAX\jocolon at 1/4/2022 11:10 PM.	No	-
Pharmax - Veeam Tape Vault	Pharmax - HQ Tape Vault	Yes	-

Table 79 - Tape Vault - VEEAM-VBR

1.2.5 NDMP Servers

Name	Credentials	Port	Gateway
ONTAP-HQ-SAN-IC.pharmax.local	backup_admin1	10000	VEEAM-VBR-02V.pharmax.local

Table 80 - NDMP Servers - VEEAM-VBR

1.3 Inventory Summary

The following section provides inventory information of the Virtual Infrastructure managed by Veeam Server veeam-vbr.pharmax.local.

1.3.1 Virtual Infrastructure

The following sections detail the configuration of the managed virtual servers backed-up by Veeam Server veeam-vbr.pharmax.local.

1.3.1.1 VMware vSphere

The following section details information of the VMware Virtual Infrastructure backed-up by Veeam Server veeam-vbr.pharmax.local.

1.3.1.1.1 VMware vCenter

Name	Version	Child Host
vcenter-01v.pharmax.local	VMware vCenter Server 7.0.3 build-19234570	comp-02a.pharmax.local, esxsvr-00f.pharmax.local, comp-01a.pharmax.local
vcenter-03v.pharmax.local	VMware vCenter Server 7.0.3 build-18778458	edge-01a.pharmax.local

Table 81 - vCenter Servers - VEEAM-VBR

1.3.1.1.2 Esxi Host

Name	Version
comp-01a.pharmax.local	VMware ESXi 7.0.2 build-17867351
comp-02a.pharmax.local	VMware ESXi 7.0.2 build-17867351
edge-01a.pharmax.local	VMware ESXi 7.0.3 build-18825058
esxsvr-00f.pharmax.local	VMware ESXi 7.0.3 build-19193900

Table 82 - Esxi Hosts - VEEAM-VBR

1.3.1.2 Microsoft Hyper-V

1.3.1.2.1 Hyper-V Clusters

Name	Credentials	Child Host
pharmax-cluster.pharmax.local	administrator@pharmax.local	VEEAM-HV-02, VEEAM-HV-01

Table 83 - Hyper-V Clusters - VEEAM-VBR

1.3.1.2.2 Hyper-V Host

Name	Version
VEEAM-HV-01	Microsoft Windows Server 2022 Datacenter Evaluation 64-bit (10.0.20348 build:20348)
VEEAM-HV-02	Microsoft Windows Server 2022 Datacenter Evaluation 64-bit (10.0.20348 build:20348)

Table 84 - Hyper-V Hosts - VEEAM-VBR

1.3.2 Physical Infrastructure

The following sections detail configuration information of the managed physical infrastructure backed-up by Veeam Server veeam-vbr.pharmax.local.

1.3.2.1 Protection Groups Summary

The following table summarizes the physical backup protections managed by Veeam Server veeam-vbr.pharmax.local.

Name	Type	Container	Schedule	Enabled
Manually Added	ManuallyAdded	IndividualComputers	Daily	Yes
Gurabo PC - Backup	Custom	ActiveDirectory	Periodically	Yes
Server with Netapp LUNS	Custom	ActiveDirectory	Daily	Yes
Others	Custom	ManuallyDeployed	Daily	Yes

Table 85 - Protection Groups - VEEAM-VBR

1.3.2.1.1 Per Protection Group Configuration

1.3.2.1.1.1 Manually Added

Name	Manually Added
Deployment Options	Install Agent: Yes Upgrade Automatically: Yes Install Driver: No Reboot If Required: No
Notification Options	Send Time: 10:00:00 Additional Address: [jcolonf@zenprsolutions.com, rebelinux@gmail.com] Use Notification Options: No Subject: [%JobResult%] %JobName% (%ObjectCount% machines) %Issues%

Table 86 - Protection Group Configuration - Manually Added

1.3.2.1.1.2 Gurabo PC - Backup

Name	Gurabo PC - Backup
Domain	pharmax.local
Backup Objects	Name: VDI-Computers Type: OrganizationUnit Distinguished Name: OU=VDI-Computers,DC=pharmax,DC=local Name: VEEAM WorkStations Type: OrganizationUnit Distinguished Name: OU=VEEAM WorkStations,DC=pharmax,DC=local
Exclude VM	No
Exclude Computers	Yes
Exclude Offline Computers	Yes
Excluded Entity	VEEAM-Win2016.pharmax.local
Master Credentials	administrator@pharmax.local

Deployment Options	Install Agent: Yes Upgrade Automatically: Yes Install Driver: No Reboot If Required: No
Notification Options	Send Time: 08:00:00 Additional Address: [veeam_admin@pharmax.local] Use Notification Options: No Subject: [%JobResult%] %PGName%: (%FoundCount% new hosts found (%TotalCount% total, %SeenCount% seen)

Table 87 - Protection Group Configuration - Gurabo PC - Backup

1.3.2.1.1.3 Server with Netapp LUNS

Name	Server with Netapp LUNS
Domain	pharmax.local
Backup Objects	Name: NTAPSVR-01v.pharmax.local Type: Computer Distinguished Name: CN=NTAPSVR-01V,OU=Member Servers,DC=pharmax,DC=local
Exclude VM	No
Exclude Computers	No
Exclude Offline Computers	Yes
Excluded Entity	
Master Credentials	administrator@pharmax.local
Deployment Options	Install Agent: Yes Upgrade Automatically: Yes Install Driver: Yes Reboot If Required: Yes

Table 88 - Protection Group Configuration - Server with Netapp LUNS

1.3.3 File Shares

The following table summarizes the file shares backed-up by Veeam Server veeam-vbr.pharmax.local.

Path	Type	Backup IO Control	Credentials	Cache Repository
\\192.168.7.90\data	NAS Filler	Highest	admin	Linux - Hardened Repository
\\isilon_nas.pharmax.local\DATA	SMB Share	Low	administrator@pharmax.local	Linux - Hardened Repository
\\server-dc-01\UEMConfig	SMB Share	Medium	administrator@pharmax.local	Linux - Hardened Repository
192.168.5.18:/oracle	NFS Share	Low	None	Linux - Hardened Repository
server-dc-01v	File Server	Medium	administrator@pharmax.local	Linux - Hardened Repository

Table 89 - File Shares - VEEAM-VBR

1.4 Storage Infrastructure Summary

The following section provides storage infrastructure managed by Veeam Server veeam-vbr.pharmax.local.

1.4.1 NetApp Ontap Storage

The following section details NetApp arrays added to the storage infrastructure.

1.4.1.1 ONTAP-DR-SAN

DNS Name	ONTAP-DR-SAN.pharmax.local
Description	Created by PHARMAX\jocolon at 1/9/2022 7:40 PM.
Storage Type	NaCluster
Used Credential	admin - (ONTAP-HQ-SAN)
Connection Address	ONTAP-DR-SAN-01V.pharmax.local, 10.10.30.17, 10.10.30.16
Connection Port	443\TCP
Installed Licenses	FlexClone, SnapRestore, Iscsi, Nfs, SnapVaultPrimary, SnapVaultSecondary, SnapMirror, Cifs

Table 90 - NetApp Host - ONTAP-DR-SAN

1.4.1.1.1 Volumes

Name	Total Space	Used Space	Thin Provision
SRM_PLACEHOLDER_01	10 GB	341 MB	Yes
SRM_LAB_STORAGE_DR_01	50 GB	956 MB	Yes
SRM_EDGE_STORAGE_01	50 GB	4 GB	Yes
vol_SRM_LAB_STORAGE_02_dest	31 GB	848 MB	Yes
vol_SRM_LAB_STORAGE_01_dest	40 GB	32 GB	Yes
vol_SRM_POL_DEDUP_01_dest	30 GB	26 GB	Yes
vol_SRM_HQ_EDGE_01_dest	833 MB	669 MB	Yes
SRM_EDGE_PLACEHOLDER_01	10 GB	85 MB	Yes
SAN_DR_root	973 MB	664 KB	No

Table 91 - NetApp Volumes - ONTAP-DR-SAN

1.4.1.2 ONTAP-HQ-SAN

DNS Name	ONTAP-HQ-SAN.pharmax.local
Description	Created by PHARMAX\jocolon at 12/23/2021 9:12 PM.
Storage Type	NaCluster
Used Credential	admin - (ONTAP-HQ-SAN)
Connection Address	192.168.5.16, 192.168.5.17
Connection Port	443\TCP
Installed Licenses	FlexClone, SnapRestore, Iscsi, Nfs, SnapVaultPrimary, SnapVaultSecondary, SnapMirror, Cifs

Table 92 - NetApp Host - ONTAP-HQ-SAN

1.4.1.3 PHARMAX-DR

DNS Name	pharmax-dr.pharmax.local
Description	Created by PHARMAX\administrator at 6/29/2021 7:48 PM.
Storage Type	NaCluster
Used Credential	admin - (admin netapp)
Connection Address	pharmax-dr.pharmax.local, 10.10.33.14, 10.10.33.15, 10.10.33.16
Connection Port	443\TCP
Installed Licenses	FlexClone, SnapRestore, Fcp, Iscsi, Nfs, SnapVaultPrimary, SnapVaultSecondary, SnapMirror, Cifs

Table 93 - NetApp Host - PHARMAX-DR

1.4.1.3.1 Volumes

Name	Total Space	Used Space	Thin Provision
Oracle_Data_Volumes_dest_clone_36	5 GB	2 GB	Yes
DP_Server_Home	15 GB	42 MB	Yes
SRM_PlaceHolder_DR	10 GB	31 MB	Yes
vol_NTAPSOL_LUN_1_dest_clone_807	192 MB	16 MB	Yes
vol_SERVER_DATASTORE_dest	15 GB	8 GB	Yes
SnapLock_COM	10 GB	552 KB	No
vol_SERVER_DATASTORE_2_dest	122 MB	404 KB	Yes
SERVER_DATASTORE_DR	50 GB	288 MB	Yes
SAN_DR_root	19 MB	1 MB	No
vol_NTAPSOL_LUN_1_dest	192 MB	16 MB	Yes
NAS_DR_root	19 MB	1 MB	No
SnapLock_ENT	10 GB	552 KB	No
VVOL_REPLICATION_MIRROR	122 MB	364 KB	Yes
Oracle_Data_Volumes_dest	5 GB	2 GB	Yes

Table 94 - NetApp Volumes - PHARMAX-DR

1.4.1.4 PHARMAX-HQ

DNS Name	pharmax-hq.pharmax.local
Description	Created by PHARMAX\administrator at 6/29/2021 12:10 PM.
Storage Type	NaCluster
Used Credential	admin - (admin netapp)
Connection Address	pharmax-hq.pharmax.local, 192.168.7.61, 192.168.7.62, 192.168.7.60
Connection Port	443\TCP
Installed Licenses	FlexClone, SnapRestore, Fcp, Iscsi, Nfs, SnapVaultPrimary, SnapVaultSecondary, SnapMirror, Cifs

Table 95 - NetApp Host - PHARMAX-HQ

1.4.1.4.1 Volumes

Name	Total Space	Used Space	Thin Provision
HYPERV_VM_DATASTORE	50 GB	9 GB	Yes
SQL_SERVER_01_V	80 GB	109 MB	Yes
SERVER_DATASTORE	50 GB	5 GB	Yes
SAN_root	19 MB	996 KB	No
HYPERV_LOG_DATASTORE	50 GB	8 GB	Yes
SERVER_DATASTORE_DR_dest	300 MB	231 MB	Yes
ESX_RDM_TEST	48 GB	89 MB	Yes
HYPERV_CLUSTER_QUORUM	10 GB	5 MB	Yes

Table 96 - NetApp Volumes - PHARMAX-HQ

1.4.2 Dell Isilon Storage

The following section details Dell arrays added to the storage infrastructure.

1.4.2.1 PHARMAX-ISILON

DNS Name	isilon_nas.pharmax.local
Description	Created by PHARMAX\jocolon at 1/16/2022 12:33 PM.
Used Credential	admin - (Isilon Account)
Connection Address	192.168.7.90
Connection Port	8080\TCP

Table 97 - Isilon Host - PHARMAX-ISILON

1.4.2.1.1 Volumes

Name	Total Space	Used Space	Thin Provision
DATA	0 KB	0 KB	No

Table 98 - Isilon Volumes - PHARMAX-ISILON

1.5 Backup Jobs Summary

The following section provides information about backup jobs on Veeam Server: veeam-vbr.pharmax.local.

1.5.1 Backup Jobs

The following section list backup jobs created in Veeam Backup & Replication.

Name	Type	Latest Status	Target Repository
Server With Netapp LUNS - Backup	Windows Agent Backup	Warning	SOBR - Minio

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Name	Type	Latest Status	Target Repository
HyperV-Backup-Job	Hyper-V Backup	Success	VEEAM-HPE-StoreOnce-VSA
WIN HyperV VM Backup	Hyper-V Backup	Success	SOBR - Minio
Backup Copy Job 1	VMware Backup Copy	None	Linux - Hardened Repository
PHARMAX-HQ-SVR	VMware Backup	Warning	SOBR - Minio
SOBR - TEST	VMware Backup	Success	SOBR - Minio
VM Copy Job 1	VM Copy	Success	SOBR - Minio
COMP-CLUSTER-NFS	VMware Backup	Warning	SOBR - Minio
File Backup Job 1	File Backup	Failed	SOBR - Minio
HPE-StoreOnce-Copy-Job	VMware Backup Copy	Success	VEEAM-HPE-StoreOnce-VSA
VM - Test - AWS	VMware Backup	Failed	SOBR - AWS S3
Replication Job 1	VMware Replication	None	Linux - Hardened Repository

Table 99 - Backup Jobs - VEEAM-VBR

1.5.2 Tape Backup Jobs

The following section list tape backup jobs created in Veeam Backup & Replication.

Name	Type	Latest Status	Target Repository
PHARMAX-HQ-SVR-TAPE	Backup To Tape	Failed	GFS Media Pool 1
File to Tape Job - Data Share	File To Tape	Success	Oracle - Media Pool

Table 100 - Backup Jobs - VEEAM-VBR

1.5.3 SureBackup Jobs

The following section list surebackup jobs created in Veeam Backup & Replication.

Name	Platform	Latest Status	Target Repository
Pharmax-Lab Test Oracle Upgrade	VMware	None	PHARMAX-VLAB
SQL Server - Update Testing	Hyper-V	Failed	PHARMAX-HV-VLAB
SureBackup Job 3	VMware	None	PHARMAX-VLAB

Table 101 - SureBackup Jobs - VEEAM-VBR

1.5.4 Agent Backup Jobs

The following section list agent backup jobs created in Veeam Backup & Replication.

Name	Type	OS Platform	Backup Object
Server With Netapp LUNS - Backup	Server	Windows	Server with Netapp LUNS

Table 102 - Agent Backup Jobs - VEEAM-VBR