

NetApp ONTAP As Built Report

Zen PR Solutions

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1 Report for Cluster ZENPR-HQ

The following section provides a summary of the array configuration for ZENPR-HQ.

1.1 Cluster Information

Cluster Name	ZENPR-HQ
Cluster UUID	7b2309fb-5e00-11e8-b65d-005056b06330
Cluster Serial	1-80-000011
Cluster Controller	192.168.7.60
Cluster Contact	Jonathan Colon
Cluster Location	HOMELAB
Ontap Version	NetApp Release 9.9.1P3: Wed Sep 29 12:55:55 UTC 2021
Number of Aggregates	4
Number of Volumes	28
Overall System Health	OK

Table 1 - Cluster Information - ZENPR-HQ

1.1.1 Cluster HA Status

The following section provides a summary of the Cluster HA Status on ZENPR-HQ.

Name	Partner	TakeOver Possible	TakeOver State	HA Mode	HA State
ZENPR-HQ-01	ZENPR-HQ-02	Yes	not_in_takeover	HA	CONNECTED
ZENPR-HQ-02	ZENPR-HQ-01	Yes	not_in_takeover	HA	CONNECTED

Table 2 - Cluster HA Status - ZENPR-HQ

1.1.2 Cluster AutoSupport Status

The following section provides a summary of the Cluster AutoSupport Status on ZENPR-HQ.

Node Name	ZENPR-HQ-01
Protocol	https
Enabled	No
Last Time Stamp	10/12/2021 20:28:14
Last Subject	ROOT VOLUME NOT WORKING PROPERLY: RECOVERY REQUIRED

Node Name	ZENPR-HQ-02
Protocol	https
Enabled	No
Last Time Stamp	10/12/2021 20:28:18
Last Subject	ROOT VOLUME NOT WORKING PROPERLY: RECOVERY REQUIRED

1.2 Node Summary

The following section provides a summary of the Node on ZENPR-HQ.

1.2.1 Node Inventory

The following section provides the node inventory on ZENPR-HQ.

Name	Model	Id	Serial	Uptime
ZENPR-HQ-01	SIMBOX	XXXXXXXX	XXXXXXXX	00:07:28
ZENPR-HQ-02	SIMBOX	XXXXXXXX	XXXXXXXX	00:07:41

Table 3 - Node Summary - ZENPR-HQ

1.2.1.1 Node Vol0 Inventory

The following section provides the node vol0 inventory on ZENPR-HQ.

Node	Aggregate	Volume	Capacity	Available	Used
ZENPR-HQ-01	aggr0_ZENPR_HQ_01	vol0	22 GB	11 GB	47%
ZENPR-HQ-02	aggr0_ZENPR_HQ_02	vol0	22 GB	11 GB	44%

Table 4 - Node Storage Information - ZENPR-HQ

1.2.1.2 Node Hardware Inventory

The following section provides the node hardware inventory on ZENPR-HQ.

Name	ZENPR-HQ-01
System Type	SIMBOX
CPU Count	2
Total Memory	8GB
Vendor	NetApp
AFF/FAS	FAS
All Flash Optimized	No
Epsilon	No
System Healthy	Healthy
Failed Fan Count	0
Failed Fan Error	There are no failed fans.
Failed PowerSupply Count	0
Failed PowerSupply Error	There are no failed power supplies.
Over Temperature	Normal Temperature
NVRAM Battery Healthy	battery_ok

Name	ZENPR-HQ-02
System Type	SIMBOX
CPU Count	2
Total Memory	8GB
Vendor	NetApp
AFF/FAS	FAS
All Flash Optimized	No
Epsilon	No

System Healthy	Healthy
Failed Fan Count	0
Failed Fan Error	There are no failed fans.
Failed PowerSupply Count	0
Failed PowerSupply Error	There are no failed power supplies.
Over Temperature	Normal Temperature
NVRAM Battery Healthy	battery_ok

1.3 Storage Summary

The following section provides a summary of the storage hardware on ZENPR-HQ.

1.3.1 Aggregate Inventory

The following section provides the Aggregates on ZENPR-HQ.

Name	Capacity	Available	Used	Disk Count	Root	Raid Type	State
aggr0_ZENPR_HQ_01	23 GB	939 MB	96%	10	Yes	RAID_DP	online
aggr0_ZENPR_HQ_02	23 GB	928 MB	96%	10	Yes	RAID_DP	online
ZENPR_HQ_01_SSD_1	219 GB	180 GB	18%	23	No	RAID_DP	online
ZENPR_HQ_02_SSD_1	219 GB	219 GB	0%	23	No	RAID_DP	online

Table 5 - Aggregate Summary - ZENPR-HQ

1.3.1.1 FabricPool Summary

The following section provides the FabricPool information on ZENPR-HQ.

Aggregate	Fabric Pool Name	Type	Used Space	Status
ZENPR_HQ_01_SSD_1	ontap_s3_640	ontap_s3	2.5 GB	unavailable

Table 6 - Aggregate FabriPool Information - ZENPR-HQ

1.3.1.1.1 FabriPool Object Store Configuration Summary

The following section provides the FabriPool Object Store Configuration on ZENPR-HQ.

Object Store Name	ontap_s3_640
S3 Name	fabripool
Server FQDN	SAN-DR-FabricPool.zenpr.local
Port	443
SSL Enabled	Yes
Provider Type	ontap_s3
Used Space	2.5 GB

Table 7 - Aggregate FabriPool Object Store Configuration - ZENPR-HQ

1.3.2 Disk Summary

The following section provides the disk summary information on controller ZENPR-HQ.

1.3.2.1 Per Node Disk Assignment Summary

The following section provides the number of disks assigned to each controller on ZENPR-HQ.

Node	Disk Count
ZENPR-HQ-01	12
ZENPR-HQ-02	12

Table 8 - Assigned Disk Summary - ZENPR-HQ

1.3.2.2 Disk Owned by Node ZENPR-HQ-01 Summary

The following section provides the inventory of disks owned by each controller on ZENPR-HQ.

Disk	Owner Id	Home	Home Id	Type
VMw-1.1	4053517983	ZENPR-HQ-01	4053517983	SSD
VMw-1.10	4053517983	ZENPR-HQ-01	4053517983	SSD
VMw-1.11	4053517983	ZENPR-HQ-01	4053517983	SSD
VMw-1.12	4053517983	ZENPR-HQ-01	4053517983	SSD
VMw-1.2	4053517983	ZENPR-HQ-01	4053517983	SSD
VMw-1.3	4053517983	ZENPR-HQ-01	4053517983	SSD
VMw-1.4	4053517983	ZENPR-HQ-01	4053517983	SSD
VMw-1.5	4053517983	ZENPR-HQ-01	4053517983	SSD
VMw-1.6	4053517983	ZENPR-HQ-01	4053517983	SSD
VMw-1.7	4053517983	ZENPR-HQ-01	4053517983	SSD
VMw-1.8	4053517983	ZENPR-HQ-01	4053517983	SSD
VMw-1.9	4053517983	ZENPR-HQ-01	4053517983	SSD

Table 9 - Disk Owner Summary - ZENPR-HQ-01

1.3.2.3 Disk Owned by Node ZENPR-HQ-02 Summary

The following section provides the inventory of disks owned by each controller on ZENPR-HQ.

Disk	Owner Id	Home	Home Id	Type
VMw-1.13	4053517984	ZENPR-HQ-02	4053517984	SSD
VMw-1.14	4053517984	ZENPR-HQ-02	4053517984	SSD
VMw-1.15	4053517984	ZENPR-HQ-02	4053517984	SSD
VMw-1.16	4053517984	ZENPR-HQ-02	4053517984	SSD
VMw-1.17	4053517984	ZENPR-HQ-02	4053517984	SSD
VMw-1.18	4053517984	ZENPR-HQ-02	4053517984	SSD
VMw-1.19	4053517984	ZENPR-HQ-02	4053517984	SSD
VMw-1.20	4053517984	ZENPR-HQ-02	4053517984	SSD
VMw-1.21	4053517984	ZENPR-HQ-02	4053517984	SSD
VMw-1.22	4053517984	ZENPR-HQ-02	4053517984	SSD

Disk	Owner Id	Home	Home Id	Type
VMw-1.23	4053517984	ZENPR-HQ-02	4053517984	SSD
VMw-1.24	4053517984	ZENPR-HQ-02	4053517984	SSD

Table 10 - Disk Owner Summary - ZENPR-HQ-02

1.3.2.4 Disk Container Type Summary

The following section provides a summary of disk status on ZENPR-HQ.

Container	Disk Count
broken	1
shared	23

Table 11 - Disk Container Type Summary - ZENPR-HQ

1.3.2.5 Failed Disk Summary

The following section show failed disks on cluster ZENPR-HQ.

Disk Name	Shelf	Bay	Pool	Disk Paths
VMw-1.24		0	0	ZENPR-HQ-02:0b.0 ZENPR-HQ-01:0c.13

Table 12 - Failed Disk Summary - ZENPR-HQ

1.3.2.6 Disk Inventory

The following section provides the Disks installed on ZENPR-HQ.

Disk Name	Shelf	Bay	Capacity	Model	SerialNumber	Type
VMw-1.1		0	32G	Virtualdisk	6000c29333280b56d5c27a7098e29ef6	SSD
VMw-1.10		10	32G	Virtualdisk	6000c296f238575261e4baa3ce93ec8a	SSD
VMw-1.11		11	32G	Virtualdisk	6000c29e990640f7d2d324ea42a51c23	SSD
VMw-1.12		12	32G	Virtualdisk	6000c29112f479dfdb379b7622a7ba51	SSD
VMw-1.13		1	32G	Virtualdisk	6000c29b787dfcd1c175698fd4c44e53	SSD
VMw-1.14		2	32G	Virtualdisk	6000c291e604285bac7f1f2d419a1b8b	SSD
VMw-1.15		3	32G	Virtualdisk	6000c2973ddcdfa7ccb4b67b5878440c	SSD

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Disk Name	Shelf	Bay	Capacity	Model	SerialNumber	Type
VMw-1.16		4	32G	Virtualdisk	6000c29b28ce6d68ce6731ceeb066324	SSD
VMw-1.17		5	32G	Virtualdisk	6000c29f40f5a1abd43e3a644dd6b47b	SSD
VMw-1.18		6	32G	Virtualdisk	6000c298160773b8171a0861dea193c9	SSD
VMw-1.19		8	32G	Virtualdisk	6000c29e10d0745228af695be3f2569d	SSD
VMw-1.2		1	32G	Virtualdisk	6000c29ed112236d8850fd47a9f067a0	SSD
VMw-1.20		9	32G	Virtualdisk	6000c2947e7e6e5c552105e7f4ec90cc	SSD
VMw-1.21		10	32G	Virtualdisk	6000c29108ae90cad6b3cc4a26979093	SSD
VMw-1.22		11	32G	Virtualdisk	6000c29d6f64c19e118e3c8e8a179048	SSD
VMw-1.23		12	32G	Virtualdisk	6000c291945748e4fa9491b7947ea708	SSD
VMw-1.24(*)		0	32G	Virtualdisk	6000c2952334616428d01733485e79d4	SSD
VMw-1.3		2	32G	Virtualdisk	6000c291a7999b31ba2823711b9e4508	SSD
VMw-1.4		3	32G	Virtualdisk	6000c29d10028522c2170a943cb56d53	SSD
VMw-1.5		4	32G	Virtualdisk	6000c298cfb88633f50272b59d8f3a09	SSD
VMw-1.6		5	32G	Virtualdisk	6000c297990d22df3eeea8c396bba604	SSD
VMw-1.7		6	32G	Virtualdisk	6000c2983c651dcb5ce1417ef299908a	SSD
VMw-1.8		8	32G	Virtualdisk	6000c293184669a73dad9026b40d904c	SSD
VMw-1.9		9	32G	Virtualdisk	6000c297877ab0bd88bc0daff51dc92f	SSD

Table 13 - Disk Inventory - ZENPR-HQ

1.4 Licenses Summary

The following section provides a summary of the license usage on ZENPR-HQ.

1.4.1 ZENPR-HQ-01 License Usage Summary

The following section provides per node installed licenses on ZENPR-HQ.

License	Type	Description	Risk
Cifs	License	CIFS License	low
Fcp	License	FCP License	low
Flexclone	License	FlexClone License	low
Iscsi	License	iSCSI License	low
Nfs	License	NFS License	low
Snaplock	License	SnapLock License	low
Snapmanagersuite	License	SnapManagerSuite License	low
Snapmirror	License	SnapMirror License	low
Snaprestore	License	SnapRestore License	low
Snapvault	License	SnapVault License	low
Tpm	License	Trusted Platform Module License	-
Ve	License	Volume Encryption License	-

Table 14 - License Usage Summary - ZENPR-HQ-01

1.4.2 ZENPR-HQ-02 License Usage Summary

The following section provides per node installed licenses on ZENPR-HQ.

License	Type	Description	Risk
Cifs	License	CIFS License	low
Fcp	License	FCP License	low
Flexclone	License	FlexClone License	low
Iscsi	License	iSCSI License	low
Nfs	License	NFS License	low
Snaplock	License	SnapLock License	low
Snapmanagersuite	License	SnapManagerSuite License	low
Snapmirror	License	SnapMirror License	low
Snaprestore	License	SnapRestore License	low
Snapvault	License	SnapVault License	low
Tpm	License	Trusted Platform Module License	-
Ve	License	Volume Encryption License	-

Table 15 - License Usage Summary - ZENPR-HQ-02

1.4.3 License Feature Summary

The following section provides the License Feature Usage on ZENPR-HQ.

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Name	Status	Notes
cifs	available	None
compression	on	None
dedupe	on	None
fcp	available	None
flexcache	on	None
flexclone	available	None
iscsi	available	None
mt_ek_mgmt	not_available	Feature not licensed and disabled
multistore	not_available	Feature not supported
ndmp	on	None
nfs	available	None
s3	on	Feature licensed and enabled
snapdrive_unix	available	None
snapdrive_windows	available	None
snaplock	on	Feature licensed and enabled
snapmanager_exchange	available	None
snapmanager_hyperv	available	None
snapmanager_oracle	available	None
snapmanager_sap	available	None
snapmanager_sharepoint	available	None
snapmanager_sql	available	None
snapmirror	available	None
snaprestore	available	None
snapvault_primary	available	None
snapvault_secondary	available	None
syncmirror	on	None
v_storageattach	not_available	Feature not licensed

Table 16 - License Feature Summary - ZENPR-HQ

1.5 Network Summary

The following section provides a summary of the networking features on ZENPR-HQ.

1.5.1 IPspace Summary

The following section provides the IPspace information on ZENPR-HQ.

Name	Cluster
SVM	Cluster
Ports	ZENPR-HQ-01:e0a; ZENPR-HQ-01:e0b; ZENPR-HQ-02:e0a; ZENPR-HQ-02:e0b
Broadcast Domains	Cluster

Name	Default
SVM	NAS; NFS; ZENPR-HQ; SAN

Ports	ZENPR-HQ-01:a0a; ZENPR-HQ-01:a0a-11; ZENPR-HQ-01:a0a-12; ZENPR-HQ-01:a0a-5; ZENPR-HQ-01:a0a-6; ZENPR-HQ-01:e0c; ZENPR-HQ-01:e0d; ZENPR-HQ-01:e0e; ZENPR-HQ-01:e0f; ZENPR-HQ-01:e0g; ZENPR-HQ-02:a0a; ZENPR-HQ-02:a0a-11; ZENPR-HQ-02:a0a-12; ZENPR-HQ-02:a0a-5; ZENPR-HQ-02:a0a-6; ZENPR-HQ-02:e0c; ZENPR-HQ-02:e0d; ZENPR-HQ-02:e0e; ZENPR-HQ-02:e0f; ZENPR-HQ-02:e0g
Broadcast Domains	Default-1; Default-2; ISCSI-A; ISCSI-B; MANAGEMENT; Replication; VLAN5-MANAGEMENT

1.5.1.1 ZENPR-HQ-01 Network Ports Summary

The following section provides per ode physical ports on ZENPR-HQ.

Port Name	Role	Mac Address	MTU	Link Status	Admin Status
e0a	Cluster	00:50:56:b0:73:f8	9000	Up	Up
e0b	Cluster	00:50:56:b0:bc:ba	9000	Up	Up
e0c	Node_Mgmt	00:50:56:b0:1e:0e	1500	Up	Up
e0d	Data	02:50:56:b0:73:f8	1500	Up	Up
e0e	Data	02:50:56:b0:73:f8	1500	Up	Up
e0f	Data	02:50:56:b0:73:f8	1500	Up	Up
e0g	Data	02:50:56:b0:73:f8	1500	Up	Up

Table 17 - Physical Port Information - ZENPR-HQ-01

1.5.1.2 ZENPR-HQ-02 Network Ports Summary

The following section provides per ode physical ports on ZENPR-HQ.

Port Name	Role	Mac Address	MTU	Link Status	Admin Status
e0a	Cluster	00:50:56:b0:8a:17	9000	Up	Up
e0b	Cluster	00:50:56:b0:76:ac	9000	Up	Up
e0c	Node_Mgmt	00:50:56:b0:04:23	1500	Up	Up
e0d	Data	02:50:56:b0:8a:17	1500	Up	Up
e0e	Data	02:50:56:b0:8a:17	1500	Up	Up
e0f	Data	02:50:56:b0:8a:17	1500	Up	Up
e0g	Data	02:50:56:b0:8a:17	1500	Up	Up

Table 18 - Physical Port Information - ZENPR-HQ-02

1.5.1.3 ZENPR-HQ-01 Network Link Aggregation Group Summary

The following section provides per Node IFGRP Aggregated Ports on ZENPR-HQ.

Port Name	Distribution Function	Mode	Port	Mac Address	Port Participation
a0a	ip	multimode	e0d e0e e0f e0g	02:50:56:b0:73:f8	full

Table 19 - Link Aggregation Group Information - ZENPR-HQ-01

1.5.1.4 ZENPR-HQ-02 Network Link Aggregation Group Summary

The following section provides per Node IFGRP Aggregated Ports on ZENPR-HQ.

Port Name	Distribution Function	Mode	Port	Mac Address	Port Participation
a0a	ip	multimode	e0d e0e e0f e0g	02:50:56:b0:8a:17	full

Table 20 - Link Aggregation Group Information - ZENPR-HQ-02

1.5.1.5 ZENPR-HQ-01 Vlan Summary

The following section provides the Vlan information on ZENPR-HQ.

Interface Name	Parent Interface	Vlan ID
a0a-11	a0a	11
a0a-12	a0a	12
a0a-5	a0a	5
a0a-6	a0a	6

Table 21 - Network VLAN Information - ZENPR-HQ-01

1.5.1.6 ZENPR-HQ-02 Vlan Summary

The following section provides the Vlan information on ZENPR-HQ.

Interface Name	Parent Interface	Vlan ID
a0a-11	a0a	11
a0a-12	a0a	12
a0a-5	a0a	5
a0a-6	a0a	6

Table 22 - Network VLAN Information - ZENPR-HQ-02

1.5.1.7 Broadcast Domain Summary

The following section provides the Broadcast Domain information on ZENPR-HQ.

Name	Ipspace	Failover Groups	Mtu	Ports
Cluster	Cluster	Cluster	9000	ZENPR-HQ-01:e0a ZENPR-HQ-01:e0b ZENPR-HQ-02:e0a ZENPR-HQ-02:e0b
Default-1	Default	Default-1	1500	ZENPR-HQ-01:a0a
Default-2	Default	Default-2	1500	ZENPR-HQ-02:a0a
ISCSI-A	Default	ISCSI-A	1500	ZENPR-HQ-01:a0a-6 ZENPR-HQ-02:a0a-6
ISCSI-B	Default	ISCSI-B	1500	ZENPR-HQ-01:a0a-12 ZENPR-HQ-02:a0a-12
MANAGEMENT	Default	MANAGEMENT	1500	ZENPR-HQ-01:e0c ZENPR-HQ-02:e0c

Name	Ipspace	Failover Groups	Mtu	Ports
Replication	Default	Replication	1500	ZENPR-HQ-01:a0a-11 ZENPR-HQ-02:a0a-11
VLAN5-MANAGEMENT	Default	VLAN5-MANAGEMENT	1500	ZENPR-HQ-01:a0a-5 ZENPR-HQ-02:a0a-5

Table 23 - Network Broadcast Domain Information - ZENPR-HQ

1.5.1.8 Failover Group Summary

The following section provides the Failover Group information on ZENPR-HQ.

Name	Vserver	Target
Cluster	Cluster	ZENPR-HQ-01:e0a ZENPR-HQ-01:e0b ZENPR-HQ-02:e0a ZENPR-HQ-02:e0b
Default-1	ZENPR-HQ	ZENPR-HQ-01:a0a
Default-2	ZENPR-HQ	ZENPR-HQ-02:a0a
ISCSI-A	ZENPR-HQ	ZENPR-HQ-01:a0a-6 ZENPR-HQ-02:a0a-6
ISCSI-B	ZENPR-HQ	ZENPR-HQ-01:a0a-12 ZENPR-HQ-02:a0a-12
MANAGEMENT	ZENPR-HQ	ZENPR-HQ-01:e0c ZENPR-HQ-02:e0c
Replication	ZENPR-HQ	ZENPR-HQ-01:a0a-11 ZENPR-HQ-02:a0a-11
VLAN5-MANAGEMENT	ZENPR-HQ	ZENPR-HQ-01:a0a-5 ZENPR-HQ-02:a0a-5

Table 24 - Network Failover Group Information - ZENPR-HQ

1.5.1.9 Subnet Summary

The following section provides the Subnet information on ZENPR-HQ.

Name	Subnet	Gateway	Total IP	Used IP	Ip Ranges
VLAN5-MANAGEMENT	192.168.5.0/24	192.168.5.254	11	0	192.168.5.80-192.168.5.90

Table 25 - Network Subnet Information - ZENPR-HQ

1.5.1.10 ZENPR-HQ Vserver Routes Summary

The following section provides the Routes information on ZENPR-HQ.

Destination	Gateway	Metric	Address Family
0.0.0.0/0	192.168.7.254	20	IPV4
0.0.0.0/0	192.168.11.254	20	IPV4

Table 26 - Network Route Information - ZENPR-HQ

1.5.1.10.1 Network Interface Routes Summary

The following section provides the Per Network Interface Routes information on ZENPR-HQ.

Destination	Gateway	Lif Names	Address Family
0.0.0.0/0	192.168.7.254	ZENPR-HQ-01_mgmt1 ZENPR-HQ-02_mgmt1 cluster_mgmt	IPV4
0.0.0.0/0	192.168.11.254	REPLICATION-ZENPR-HQ-01 REPLICATION-ZENPR-HQ-02	IPV4

Table 27 - Per Network Interface Route Information - ZENPR-HQ

1.5.1.11 NAS Vserver Routes Summary

The following section provides the Routes information on ZENPR-HQ.

Destination	Gateway	Metric	Address Family
0.0.0.0/0	192.168.5.254	20	IPV4

Table 28 - Network Route Information - NAS

1.5.1.11.1 Network Interface Routes Summary

The following section provides the Per Network Interface Routes information on NAS.

Destination	Gateway	Lif Names	Address Family
0.0.0.0/0	192.168.5.254	lif_NAS_812 lif_NAS_964	IPV4

Table 29 - Per Network Interface Route Information - NAS

1.5.1.12 NFS Vserver Routes Summary

The following section provides the Routes information on ZENPR-HQ.

Destination	Gateway	Metric	Address Family
0.0.0.0/0	192.168.5.254	20	IPV4

Table 30 - Network Route Information - NFS

1.5.1.12.1 Network Interface Routes Summary

The following section provides the Per Network Interface Routes information on NFS.

Destination	Gateway	Lif Names	Address Family
0.0.0.0/0	192.168.5.254	lif_NFS_149 lif_NFS_593	IPV4

Table 31 - Per Network Interface Route Information - NFS

1.5.1.13 SAN Vserver Routes Summary

The following section provides the Routes information on ZENPR-HQ.

Destination	Gateway	Metric	Address Family
0.0.0.0/0	192.168.6.254	20	IPV4
0.0.0.0/0	192.168.12.254	20	IPV4

Table 32 - Network Route Information - SAN

1.5.1.13.1 Network Interface Routes Summary

The following section provides the Per Network Interface Routes information on SAN.

Destination	Gateway	Lif Names	Address Family
0.0.0.0/0	192.168.6.254	ISCSI-A-ZENPR-HQ-01 ISCSI-A-ZENPR-HQ-02	IPV4
0.0.0.0/0	192.168.12.254	ISCSI-B-ZENPR-HQ-01 ISCSI-B-ZENPR-HQ-02	IPV4

Table 33 - Per Network Interface Route Information - SAN

1.5.1.14 Network Interfaces Summary

The following section provides the Network Interfaces information on ZENPR-HQ.

1.5.1.14.1 Cluster Network Interfaces Summary

The following section provides the Cluster Network Interfaces Information on ZENPR-HQ.

Cluster Interface	Status	Data Protocols	Address	Vserver
ZENPR-HQ-01_clus1	UP	none	169.254.115.248	Cluster
ZENPR-HQ-01_clus2	UP	none	169.254.188.186	Cluster
ZENPR-HQ-02_clus1	UP	none	169.254.138.23	Cluster
ZENPR-HQ-02_clus2	UP	none	169.254.118.172	Cluster

Table 34 - Cluster Network Information - ZENPR-HQ

1.5.1.14.2 Management Network Interfaces Summary

The following section provides the Management Network Interfaces Information on ZENPR-HQ.

MGMT Interface	Status	Data Protocols	Address	Vserver
cluster_mgmt	UP	none	192.168.7.60	ZENPR-HQ
ZENPR-HQ-01_mgmt1	UP	none	192.168.7.61	ZENPR-HQ
ZENPR-HQ-02_mgmt1	UP	none	192.168.7.62	ZENPR-HQ

Table 35 - Management Network Information - ZENPR-HQ

1.5.1.14.3 Intercluster Network Interfaces Summary

The following section provides the Intercluster Network Interfaces Information on ZENPR-HQ.

Intercluster Interface	Status	Data Protocols	Address	Vserver
REPLICATION-ZENPR-HQ-01	UP	none	192.168.11.61	ZENPR-HQ
REPLICATION-ZENPR-HQ-02	UP	none	192.168.11.62	ZENPR-HQ

Table 36 - Intercluster Network Information - ZENPR-HQ

1.5.1.14.4 Data Network Interfaces Summary

The following section provides the Data Network Interfaces Information on ZENPR-HQ.

Data Interface	Status	Data Protocols	Address	Vserver
lif_NAS_812	UP	nfs cifs s3	192.168.5.62	NAS
lif_NAS_964	UP	nfs cifs s3	192.168.5.61	NAS
lif_NFS_149	DOWN	nfs cifs s3	192.168.5.64	NFS
lif_NFS_593	DOWN	nfs cifs	192.168.5.63	NFS
ISCSI-A-ZENPR-HQ-01	UP	iscsi	192.168.6.61	SAN
ISCSI-A-ZENPR-HQ-02	UP	iscsi	192.168.6.62	SAN
ISCSI-B-ZENPR-HQ-01	UP	iscsi	192.168.12.61	SAN
ISCSI-B-ZENPR-HQ-02	UP	iscsi	192.168.12.62	SAN

Table 37 - Data Network Information - ZENPR-HQ

1.6 Vserver Summary

The following section provides a summary of the vservers information on ZENPR-HQ.

1.6.1 NAS Vserver Configuration Summary

The following section provides the configuration of the vservers NAS.

Vserver Type	Allowed Protocols	Disallowed Protocols	IP Space	Status
data	nfs cifs	fcp iscsi ndmp	Default	running

Table 38 - Vserver Summary Information - NAS

1.6.1.1 Root Volume Summary

The following section provides the Vserver Root Volume Information on NAS.

Root Volume	Status	TotalSize	Used	Available	Dedup	Aggregate
NAS_root	online	20 MB	6%	18 MB	Yes	ZENPR_HQ_01_SSD_1

Table 39 - Vserver Root Volume Information - NAS

1.6.1.2 Volumes QoS Policy Summary

The following section provides the Vserver QoS Configuration on ZENPR-HQ.

1.6.1.2.1 Volumes Fixed QoS Policy

The following section provides the Volume Fixed QoS Group information on ZENPR-HQ.

Policy Name	Max Throughput	Min Throughput	Is Shared	Vserver
extreme-fixed	50000IOPS,1.53GB/s	0	No	ZENPR-HQ
performance-fixed	30000IOPS,937.5MB/s	0	No	ZENPR-HQ
value-fixed	15000IOPS,468.8MB/s	0	No	ZENPR-HQ

Table 40 - Volume Fixed QoS Group Information - ZENPR-HQ

1.6.1.2.2 Volumes Adaptive QoS Policy

The following section provides the Volumes Adaptive QoS Group information on ZENPR-HQ.

Policy Name	Peak Iops	Expected Iops	Min Iops	Vserver
extreme	12288IOPS/TB	6144IOPS/TB	1000IOPS	ZENPR-HQ
performance	4096IOPS/TB	2048IOPS/TB	500IOPS	ZENPR-HQ
value	512IOPS/TB	128IOPS/TB	75IOPS	ZENPR-HQ

Table 41 - Volume Adaptive QoS Group Information - ZENPR-HQ

1.6.1.3 Storage Volumes Summary

The following section provides NAS Volumes Information on NAS.

Volume	Status	Capacity	Available	Used	Aggregate
DATA	online	105 GB	97 GB	2%	
DATA__0001	online	105 GB	97 GB	2%	ZENPR_HQ_01_S SD_1
DATA_clone_299	online	105 GB	97 GB	2%	
DATA_clone_299__0001	online	105 GB	97 GB	2%	ZENPR_HQ_01_S SD_1
fg_oss_1630605678	online	842 GB	219 GB	0%	
fg_oss_1630605678__0001	online	421 GB	219 GB	0%	ZENPR_HQ_02_S SD_1
fg_oss_1630605678__0002	online	421 GB	219 GB	0%	ZENPR_HQ_02_S SD_1
vol_19082021_201759_59_dest	online	5 GB	879 MB	84%	ZENPR_HQ_01_S SD_1
vol_19082021_201759_59_dest_clone_652	online	5 GB	1 GB	81%	ZENPR_HQ_01_S SD_1

Table 42 - Vserver Volume Information - NAS

1.6.1.3.1 Per Volumes QoS Policy Summary

The following section provides the Vserver per Volumes QoS Configuration on NAS.

Volume	Fixed Policy Name	Adaptive Policy Name
DATA	None	performance
DATA_clone_299	None	None
fg_oss_1630605678	None	None
vol_19082021_201759_59_dest	None	None
vol_19082021_201759_59_dest_clone_652	None	None

Table 43 - Vserver Volume QoS Information - NAS

1.6.1.3.2 FlexGroup Volumes Summary

The following section provides the Vserver FlexGroup Volumes Configuration on NAS.

Volume	Status	Capacity
DATA	online	105 GB
DATA_clone_299	online	105 GB
fg_oss_1630605678	online	842 GB

Table 44 - Vserver Flexgroup Volume Information - NAS

1.6.1.3.3 Flexclone Volumes Summary

The following section provides the Vserver Flexclone Volumes Configuration on NAS.

Volume	DATA_clone_299
ParentVolume	DATA
Volume Type	RW
Parent Snapshot	clone_DATA_clone_299.2021-08-14_234644.0
Space Reserve	
Space Guarantee	Yes
Capacity	105 GB
Available	103 GB
Used	3 GB
Aggregate	

Volume	DATA_clone_299__0001
ParentVolume	DATA__0001
Volume Type	RW
Parent Snapshot	clone_DATA_clone_299.2021-08-14_234644.0
Space Reserve	none
Space Guarantee	Yes
Capacity	105 GB
Available	103 GB
Used	3 GB
Aggregate	ZENPR_HQ_01_SSD_1

1.6.1.3.4 Flexcache Volumes Summary

The following section provides the Vserver Flexcache Volumes Configuration on NAS.

Cache Cluster	Cache Vserver	Cache Volume	Origin Vserver	Origin Volume	Capacity
ZENPR-DR	NAS-DR	DATA_DR	NAS	DATA	105 GB

Table 45 - Vserver Flexcache Volume Connected Cache Information - NAS

1.6.1.4 Volumes Snapshot Configuration Summary

The following section provides the Vserver Volumes Snapshot Configuration on NAS.

Volume	Snapshot Enabled	Reserve Size	Reserve Available	Used	Policy
DATA	Yes	5 GB	5 GB	32 MB	default
DATA__0001	Yes	5 GB	5 GB	32 MB	default
DATA_clone_299	Yes	5 GB	5 GB	45 MB	default
DATA_clone_299__0001	Yes	5 GB	5 GB	45 MB	default
fg_oss_1630605678	No	42 GB	0	0	none
fg_oss_1630605678__0001	No	21 GB	0	0	none
fg_oss_1630605678__0002	No	21 GB	0	0	none
vol_19082021_201759_59_dest	No	0	0	5 GB	none
vol_19082021_201759_59_dest_clone_652	No	0	0	0	none

Table 46 - Vserver Volume SnapShot Configuration Information - NAS

1.6.1.4.1 HealthCheck - Volumes Snapshot Summary

The following section provides the Vserver Volumes Snapshot HealthCheck on NAS.

Volume Name	Snapshot Name	Created Time	Used
DATA	weekly.2021-08-01_0015	07/31/2021 20:15:00	134 MB
DATA	daily.2021-08-07_0010	08/06/2021 20:10:00	3 GB
DATA	clone_DATA_clone_299.2021-08-14_234644.0	08/14/2021 23:46:45	3 GB
DATA	daily.2021-08-15_0010	08/15/2021 00:10:00	3 GB
DATA	weekly.2021-08-15_0015	08/15/2021 00:15:00	3 GB
DATA__0001	weekly.2021-08-01_0015	07/31/2021 20:15:00	1 MB
DATA__0001	daily.2021-08-07_0010	08/06/2021 20:10:00	744 KB
DATA__0001	clone_DATA_clone_299.2021-08-14_234644.0	08/14/2021 23:46:45	172 KB
DATA__0001	daily.2021-08-15_0010	08/15/2021 00:10:00	156 KB
DATA__0001	weekly.2021-08-15_0015	08/15/2021 00:15:00	28 MB
DATA_clone_299	clone_DATA_clone_299.2021-08-14_234644.0	08/14/2021 23:46:45	3 GB

Volume Name	Snapshot Name	Created Time	Used
DATA_clone_299	daily.2021-08-15_0010	08/15/2021 00:10:00	3 GB
DATA_clone_299	weekly.2021-08-15_0015	08/15/2021 00:15:00	3 GB
DATA_clone_299__000 1	clone_DATA_clone_299.2021-08- 14_234644.0	08/14/2021 23:46:45	28 MB
DATA_clone_299__000 1	daily.2021-08-15_0010	08/15/2021 00:10:00	140 KB
DATA_clone_299__000 1	weekly.2021-08-15_0015	08/15/2021 00:15:00	15 MB
vol_19082021_201759_ 59_dest	daily.2021-08-21_0010	08/20/2021 20:10:00	236 KB
vol_19082021_201759_ 59_dest	daily.2021-08-22_0010	08/21/2021 20:10:00	184 KB
vol_19082021_201759_ 59_dest	weekly.2021-08-22_0015	08/21/2021 20:15:00	5 GB
vol_19082021_201759_ 59_dest	daily.2021-08-23_0010	08/22/2021 20:10:00	192 KB
vol_19082021_201759_ 59_dest	daily.2021-08-31_0212	08/30/2021 22:12:53	184 KB
vol_19082021_201759_ 59_dest	weekly.2021-08-31_0212	08/30/2021 22:12:54	528 KB
vol_19082021_201759_ 59_dest	daily.2021-08-31_2010	08/31/2021 20:10:00	264 KB
vol_19082021_201759_ 59_dest	daily.2021-09-01_0926	09/01/2021 09:26:41	296 KB

Table 47 - HealthCheck - Volume Snapshot over 7 days only - NAS

1.6.1.5 Export Policy Summary

The following section provides the Vserver Volumes Export policy Information on NAS.

Policy Name	Rule Index	Client Match	Protocol	Ro Rule	Rw Rule
DATA	1	0.0.0.0/0	any	never	never
DATA	2	192.168.7.0/24	any	sys	sys
default	1	0.0.0.0/0	any	any	never

Table 48 - Vserver Volume Export Policy Information - NAS

1.6.1.6 Qtree Summary

The following section provides the Vserver Volumes Qtree Information on NAS.

Qtree	Volume	Status	Security Style	Export Policy
SHARE	DATA	normal	unix	default
HR	DATA	normal	unix	DATA
GB	DATA	normal	unix	DATA
TB	DATA	normal	unix	DATA
MB	DATA	normal	unix	DATA
PB	DATA	normal	unix	DATA

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Qtree	Volume	Status	Security Style	Export Policy
KB	DATA	normal	unix	DATA
HR	DATA_clone_299	normal	unix	DATA
SHARE	DATA_clone_299	normal	unix	DATA
KB	DATA_clone_299	normal	unix	DATA
GB	DATA_clone_299	normal	unix	DATA
TB	DATA_clone_299	normal	unix	DATA
MB	DATA_clone_299	normal	unix	DATA
PB	DATA_clone_299	normal	unix	DATA
fabricpool	fg_oss_1630605678	normal	unix	default
qtree_HR	vol_19082021_201759_59_dest	readonly	ntfs	default
qtree_HR	vol_19082021_201759_59_dest_clone_652	normal	ntfs	default

Table 49 - Vserver Volume Qtree Information - NAS

1.6.1.7 Volume Quota Summary

The following section provides the Vserver Volumes Quota Information on NAS.

1.6.1.7.1 NAS Vserver Volume Quota Status

The following section provides the NAS Volumes Quota Status Information on ZENPR-HQ.

Volume	Status	Substatus
DATA	on	none
DATA_clone_299	off	none
fg_oss_1630605678	on	none
NAS_root	off	none
vol_19082021_201759_59_dest	off	none
vol_19082021_201759_59_dest_clone_652	off	none

Table 50 - Vserver Volume Quota Status Information - NAS

1.6.1.7.2 NAS Vserver Volume Quota Information

The following section provides the NAS Volumes Quota Information on ZENPR-HQ.

Volume	Type	Target	Disk Limit	File Limit	Soft Disk Limit	Soft File Limit
DATA	tree	*	-	-	-	-
DATA	tree	/vol/DATA/GB	19 MB	-	-	-
DATA	tree	/vol/DATA/HR	140 KB	100k	120 KB	10k
DATA	tree	/vol/DATA/KB	12 B	-	-	-
DATA	tree	/vol/DATA/MB	1 KB	-	-	-
DATA	tree	/vol/DATA/PB	1 TB	-	-	-
DATA	tree	/vol/DATA/SHARE	500 KB	-	100 KB	-

Volume	Type	Target	Disk Limit	File Limit	Soft Disk Limit	Soft File Limit
DATA	tree	/vol/DATA/TB	1 GB	-	-	-

Table 51 - Vserver Volume Quota Information - NAS

1.6.1.7.3 NAS Vserver Volume Quota Report (Disk) Summary

The following section provides the NAS Volumes Quota Report (Disk) Information on ZENPR-HQ.

Volume	Quota Target	Qtree	Disk Limit	Soft Disk Limit	Disk Used
DATA	/vol/DATA/SHARE	SHARE	500 KB	100 KB	16 KB
DATA	/vol/DATA/HR	HR	140 KB	120 KB	131 KB
DATA	/vol/DATA/GB	GB	19 MB	-	0
DATA	/vol/DATA/TB	TB	1 GB	-	0
DATA	/vol/DATA/MB	MB	1 KB	-	0
DATA	/vol/DATA/PB	PB	1 TB	-	0
DATA	/vol/DATA/KB	KB	12 B	-	0
DATA	*		-	-	0
fg_oss_1630605678	/vol/fg_oss_1630605678/fabricpool	fabricpool	95 MB	-	0
fg_oss_1630605678	*		-	-	0

Table 52 - Vserver Volume Quota Report (Disk) Information - NAS

1.6.1.7.4 NAS Vserver Volume Quota Report (File) Summary

The following section provides the NAS Volumes Quota Report (File) Information on ZENPR-HQ.

Volume	Quota Target	Qtree	File Limit	Soft File Limit	Files Used
DATA	/vol/DATA/SHARE	SHARE	-	-	2k
DATA	/vol/DATA/HR	HR	100k	10k	4
DATA	/vol/DATA/GB	GB	-	-	1
DATA	/vol/DATA/TB	TB	-	-	1
DATA	/vol/DATA/MB	MB	-	-	1
DATA	/vol/DATA/PB	PB	-	-	1
DATA	/vol/DATA/KB	KB	-	-	1
DATA	*		-	-	0
fg_oss_1630605678	/vol/fg_oss_1630605678/fabricpool	fabricpool	-	-	1
fg_oss_1630605678	*		-	-	0

Table 53 - Vserver Volume Quota Report (File) Information - NAS

1.6.1.8 Protocol Information Summary

The following section provides a summary of the Vserver protocol information on NAS.

1.6.1.8.1 NFS Services Summary

The following section provides the NFS Service Information on NAS.

Nfs v3	Nfs v4	Nfs v41	General Access
Enabled	Disabled	Disabled	Yes

Table 54 - Vserver NFS Service Information - ZENPR-HQ

1.6.1.8.1.1 NFS Options Summary

The following section provides the NFS Service Options Information on NAS.

Allow Idle Connection	No
Idle Connection Timeout	360
Ignore NtAcl For Root	No
Enable Ejukebox	Yes
Nfs Access Enabled	Yes
Nfs Rootonly Enabled	No
Nfsv2 Enabled	No
Nfsv3 Enabled	Yes
Nfsv3 64bit Identifiers Enabled	No
Nfsv3 Connection Drop Enabled	Yes
Nfsv3 Fsid Change Enabled	Yes
Nfsv40 Acl Enabled	No
Nfsv40 Enabled	No

Table 55 - Vserver NFS Service Options Summary - NAS

1.6.1.8.1.2 NFS Volume Export Summary

The following section provides the VServer NFS Service Exports Information on NAS.

Vserver	Path Name
NAS	/
NAS	/DATA
NAS	/vol/DATA
NAS	/vol/DATA/GB
NAS	/vol/DATA/HR
NAS	/vol/DATA/KB
NAS	/vol/DATA/MB
NAS	/vol/DATA/PB
NAS	/vol/DATA/SHARE
NAS	/vol/DATA/TB
NAS	/vol/DATA_clone_299
NAS	/vol/DATA_clone_299/GB

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Vserver	Path Name
NAS	/vol/DATA_clone_299/HR
NAS	/vol/DATA_clone_299/KB
NAS	/vol/DATA_clone_299/MB
NAS	/vol/DATA_clone_299/PB
NAS	/vol/DATA_clone_299/SHARE
NAS	/vol/DATA_clone_299/TB
NAS	/vol/NAS_root
NAS	/vol/fg_oss_1630605678
NAS	/vol/fg_oss_1630605678/fabricpool
NAS	/vol/vol_19082021_201759_59_dest
NAS	/vol/vol_19082021_201759_59_dest/qtrees_HR
NAS	/vol/vol_19082021_201759_59_dest_clone_652
NAS	/vol/vol_19082021_201759_59_dest_clone_652/qtrees_HR

Table 56 - Vserver NFS Service Volume Export Summary - NAS

1.6.1.8.2 CIFS Services Summary

The following section provides the CIFS Service Information on NAS.

Node Name	ZENPR-HQ-01
Cifs Domain Name	zenpr.local
Cifs NetBios Name	NAS
Cifs Domain IP	192.168.5.1
AD Server Site	
Cifs Server Status	Running
Status Details	Response time (msec): 1557
Status	UP

Node Name	ZENPR-HQ-02
Cifs Domain Name	zenpr.local
Cifs NetBios Name	NAS
Cifs Domain IP	192.168.5.1
AD Server Site	
Cifs Server Status	Running
Status Details	Response time (msec): 10
Status	UP

1.6.1.8.2.1 CIFS Service Configuration Summary

The following section provides the Cifs Service Configuration Information on NAS.

Kerberos Clock Skew	5
Kerberos Renew Age	7
Kerberos Ticket Age	10
Aes Encryption Enabled	No

Signing Required	No
Smb Encryption Required	No
Lm Compatibility Level	lm_ntlm_ntlmv2_krb

Table 57 - Vserver CIFS Service Security Information - NAS

1.6.1.8.2.2 CIFS Domain Controller Summary

The following section provides the Connected Domain Controller Information on NAS.

DC Name	Domain	Node	Server Type	Prefer Type	Status
cayey-dc-01v	zenpr.local	ZENPR-HQ-01	ms_dc	adequate	unavailable
cayey-dc-01v	zenpr.local	ZENPR-HQ-02	ms_dc	adequate	unavailable
server-dc-01v	zenpr.local	ZENPR-HQ-01	ms_dc	adequate	ok
server-dc-01v	zenpr.local	ZENPR-HQ-02	ms_dc	adequate	ok

Table 58 - CIFS Connected Domain Controller Information - NAS

1.6.1.8.2.3 CIFS Local Group Summary

The following section provides the Cifs Service Local Group Information on NAS.

Group Name	Description
BUILTIN\Administrators	Built-in Administrators group
BUILTIN\Backup Operators	Backup Operators group
BUILTIN\Guests	Built-in Guests Group
BUILTIN\Power Users	Restricted administrative privileges
BUILTIN\Users	All users

Table 59 - CIFS Connected Local Group Information - NAS

The following section provides the Cifs Service Local Group Member Information on NAS.

Group Name	Description
BUILTIN\Administrators	NAS\Administrator
BUILTIN\Administrators	ZENPR\Domain Admins
BUILTIN\Guests	ZENPR\Domain Guests
BUILTIN\Users	ZENPR\Domain Users

Table 60 - CIFS Connected Local Group Members Information - NAS

1.6.1.8.2.4 CIFS Options Summary

The following section provides the CIFS Service Options Information on NAS.

Client Session Timeout	900
DefaultUnixUser	pcuser
Client Version Reporting Enabled	Yes

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Copy Offload Direct Copy Enabled	Yes
Copy Offload Enabled	Yes
Dac Enabled	No
Export Policy Enabled	No
Large Mtu Enabled	Yes
Local Auth Enabled	Yes
Local Users And Groups Enabled	Yes
Multi Channel Enabled	No
Nbns Enabled	No
Netbios Over Tcp Enabled	Yes
Referral Enabled	No
Shadow Copy Enabled	Yes
Smb1 Enabled	No
Smb2 Enabled	Yes
Smb31 Enabled	Yes
Smb3 Enabled	Yes
Max Connections Per Session	32
Max Credits	128
Max File Write Zero Length	33554432
Max Lifs Per Session	256
Max Mpx	255
Max Opens Same File Per Tree	1000
Restrict Anonymous	no_restriction
Shadow Copy Dir Depth	5
Smb1 Max Buffer Size	65535

Table 61 - Vserver CIFS Service Options Summary - NAS

1.6.1.8.2.5 CIFS Share Summary

The following section provides the CIFS Service Shares Information on NAS.

Share Name	Volume	Path
c\$	NAS_root	/
DATA	DATA	/DATA
HR	DATA	/DATA/HR
ipc\$	NAS_root	/

Table 62 - Vserver CIFS Share Information - NAS

The following section provides the CIFS Shares Properties & Acl Information on NAS.

Share Name	Share ACL	Share Properties
c\$	BUILTIN\Administrators / Full Control	oplocks, browsable, changenotify, show_previous_versions
DATA	Everyone / Full Control	oplocks, browsable, changenotify, show_previous_versions

Share Name	Share ACL	Share Properties
HR	Everyone / Full Control	browsable, show_previous_versions, oplocks, changenotify
ipc\$		browsable

Table 63 - The CIFS Share Properties & Acl Information - NAS

1.6.1.8.3 S3 Services Configuration Summary

The following section provides the S3 Service Information on NAS.

HTTP	HTTP Port	HTTPS	HTTPS Port	Status
No	80	Yes	443	UP

Table 64 - Vserver S3 Service Information - NAS

1.6.1.8.3.1 S3 Bucket Summary

The following section provides the S3 Bucket Information on NAS.

Bucket	Volume	Total	Used
fabricpool	fg_oss_1630605678	95 GB	0

Table 65 - Vserver S3 Bucket Information - NAS

1.6.2 NFS Vserver Configuration Summary

The following section provides the configuration of the vsverer NFS.

Vserver Type	Allowed Protocols	Disallowed Protocols	IP Space	Status
data	nfs cifs fcp iscsi ndmp		Default	stopped

Table 66 - Vserver Summary Information - NFS

1.6.2.1 Root Volume Summary

The following section provides the Vserver Root Volume Information on NFS.

Root Volume	Status	TotalSize	Used	Available	Dedup	Aggregate
NFS_root	online	20 MB	10%	17 MB	Yes	ZENPR_HQ_01_SSD_1

Table 67 - Vserver Root Volume Information - NFS

1.6.2.2 Volumes QoS Policy Summary

The following section provides the Vserver QoS Configuration on ZENPR-HQ.

1.6.2.2.1 Volumes Fixed QoS Policy

The following section provides the Volume Fixed QoS Group information on ZENPR-HQ.

Policy Name	Max Throughput	Min Throughput	Is Shared	Vserver
extreme-fixed	50000IOPS,1.53GB/s	0	No	ZENPR-HQ
performance-fixed	30000IOPS,937.5MB/s	0	No	ZENPR-HQ
value-fixed	15000IOPS,468.8MB/s	0	No	ZENPR-HQ

Table 68 - Volume Fixed QoS Group Information - ZENPR-HQ

1.6.2.2.2 Volumes Adaptive QoS Policy

The following section provides the Volumes Adaptive QoS Group information on ZENPR-HQ.

Policy Name	Peak Iops	Expected Iops	Min Iops	Vserver
extreme	12288IOPS/TB	6144IOPS/TB	1000IOPS	ZENPR-HQ
performance	4096IOPS/TB	2048IOPS/TB	500IOPS	ZENPR-HQ
value	512IOPS/TB	128IOPS/TB	75IOPS	ZENPR-HQ

Table 69 - Volume Adaptive QoS Group Information - ZENPR-HQ

1.6.2.3 Storage Volumes Summary

The following section provides NFS Volumes Information on NFS.

Volume	Status	Capacity	Available	Used	Aggregate
fg_oss_1630340493	online	842 GB	219 GB	0%	
fg_oss_1630340493__0001	online	421 GB	219 GB	0%	ZENPR_HQ_02_S SD_1
fg_oss_1630340493__0002	online	421 GB	219 GB	0%	ZENPR_HQ_02_S SD_1
fg_oss_1630605744	online	842 GB	219 GB	0%	
fg_oss_1630605744__0001	online	421 GB	219 GB	0%	ZENPR_HQ_02_S SD_1
fg_oss_1630605744__0002	online	421 GB	219 GB	0%	ZENPR_HQ_02_S SD_1
SHARE_NFS	online	1 GB	1024 MB	0%	ZENPR_HQ_01_S SD_1

Table 70 - Vserver Volume Information - NFS

1.6.2.3.1 Per Volumes QoS Policy Summary

The following section provides the Vserver per Volumes QoS Configuration on NFS.

Volume	Fixed Policy Name	Adaptive Policy Name
fg_oss_1630340493	None	None
fg_oss_1630605744	None	None
SHARE_NFS	performance-fixed	None

Table 71 - Vserver Volume QoS Information - NFS

1.6.2.3.2 FlexGroup Volumes Summary

The following section provides the Vserver FlexGroup Volumes Configuration on NFS.

Volume	Status	Capacity
fg_oss_1630340493	online	842 GB
fg_oss_1630605744	online	842 GB

Table 72 - Vserver Flexgroup Volume Information - NFS

1.6.2.4 Volumes Snapshot Configuration Summary

The following section provides the Vserver Volumes Snapshot Configuration on NFS.

Volume	Snapshot Enabled	Reserve Size	Reserve Available	Used	Policy
fg_oss_1630340493	No	42 GB	0	0	none
fg_oss_1630340493__0001	No	21 GB	0	0	none
fg_oss_1630340493__0002	No	21 GB	0	0	none
fg_oss_1630605744	No	42 GB	0	0	none
fg_oss_1630605744__0001	No	21 GB	0	0	none
fg_oss_1630605744__0002	No	21 GB	0	0	none
SHARE_NFS	Yes	54 MB	51 MB	3 MB	default

Table 73 - Vserver Volume SnapShot Configuration Information - NFS

1.6.2.4.1 HealthCheck - Volumes Snapshot Summary

The following section provides the Vserver Volumes Snapshot HealthCheck on NFS.

Volume Name	Snapshot Name	Created Time	Used
SHARE_NFS	weekly.2021-09-22_0828	09/22/2021 08:28:54	488 KB

Table 74 - HealthCheck - Volume Snapshot over 7 days only - NFS

1.6.2.5 Export Policy Summary

The following section provides the Vserver Volumes Export policy Information on NFS.

Policy Name	Rule Index	Client Match	Protocol	Ro Rule	Rw Rule
default	1	0.0.0.0/0	nfs3, nfs4, nfs	any	any

Table 75 - Vserver Volume Export Policy Information - NFS

1.6.2.6 Qtree Summary

The following section provides the Vserver Volumes Qtree Information on NFS.

Qtree	Volume	Status	Security Style	Export Policy
hr01	fg_oss_1630340493	normal	unix	default
minio	fg_oss_1630605744	normal	unix	default
IT	SHARE_NFS	normal	unix	default
DP	SHARE_NFS	normal	unix	default

Table 76 - Vserver Volume Qtree Information - NFS

1.6.2.7 Protocol Information Summary

The following section provides a summary of the Vserver protocol information on NFS.

1.6.2.7.1 NFS Services Summary

The following section provides the NFS Service Information on NFS.

Nfs v3	Nfs v4	Nfs v41	General Access
Enabled	Enabled	Enabled	No

Table 77 - Vserver NFS Service Information - ZENPR-HQ

1.6.2.7.1.1 NFS Options Summary

The following section provides the NFS Service Options Information on NFS.

Allow Idle Connection	No
Idle Connection Timeout	360
Ignore NtAcl For Root	No
Enable Ejukebox	Yes
Nfs Access Enabled	No
Nfs Rootonly Enabled	No
Nfsv2 Enabled	No
Nfsv3 Enabled	Yes
Nfsv3 64bit Identifiers Enabled	No
Nfsv3 Connection Drop Enabled	Yes
Nfsv3 Fsid Change Enabled	Yes
Nfsv40 Acl Enabled	No
Nfsv40 Enabled	Yes

Table 78 - Vserver NFS Service Options Summary - NFS

1.6.2.7.2 S3 Services Configuration Summary

The following section provides the S3 Service Information on NFS.

HTTP	HTTP Port	HTTPS	HTTPS Port	Status
No	80	Yes	443	UP

Table 79 - Vserver S3 Service Information - NFS

1.6.2.7.2.1 S3 Bucket Summary

The following section provides the S3 Bucket Information on NFS.

Bucket	Volume	Total	Used
hr01	fg_oss_1630340493	100 GB	0
minio	fg_oss_1630605744	100 GB	0

Table 80 - Vserver S3 Bucket Information - NFS

1.6.3 SAN Vserver Configuration Summary

The following section provides the configuration of the vserver SAN.

Vserver Type	Allowed Protocols	Disallowed Protocols	IP Space	Status
data	fcp iscsi	nfs cifs ndmp	Default	running

Table 81 - Vserver Summary Information - SAN

1.6.3.1 Root Volume Summary

The following section provides the Vserver Root Volume Information on SAN.

Root Volume	Status	TotalSize	Used	Available	Dedup	Aggregate
SAN_root	online	20 MB	6%	18 MB	Yes	ZENPR_HQ_01_SSD_1

Table 82 - Vserver Root Volume Information - SAN

1.6.3.2 Volumes QoS Policy Summary

The following section provides the Vserver QoS Configuration on ZENPR-HQ.

1.6.3.2.1 Volumes Fixed QoS Policy

The following section provides the Volume Fixed QoS Group information on ZENPR-HQ.

Policy Name	Max Throughput	Min Throughput	Is Shared	Vserver
extreme-fixed	50000IOPS,1.53GB/s	0	No	ZENPR-HQ
performance-fixed	30000IOPS,937.5MB/s	0	No	ZENPR-HQ
value-fixed	15000IOPS,468.8MB/s	0	No	ZENPR-HQ

Table 83 - Volume Fixed QoS Group Information - ZENPR-HQ

1.6.3.2 Volumes Adaptive QoS Policy

The following section provides the Volumes Adaptive QoS Group information on ZENPR-HQ.

Policy Name	Peak Iops	Expected Iops	Min Iops	Vserver
extreme	12288IOPS/TB	6144IOPS/TB	1000IOPS	ZENPR-HQ
performance	4096IOPS/TB	2048IOPS/TB	500IOPS	ZENPR-HQ
value	512IOPS/TB	128IOPS/TB	75IOPS	ZENPR-HQ

Table 84 - Volume Adaptive QoS Group Information - ZENPR-HQ

1.6.3.3 Storage Volumes Summary

The following section provides SAN Volumes Information on SAN.

Volume	Status	Capacity	Available	Used	Aggregate
NTAPSOL_LUN_1	online	50 GB	50 GB	0%	ZENPR_HQ_01_S SD_1
Oracle_Data_Volumes	online	253 GB	180 GB	0%	ZENPR_HQ_01_S SD_1
SERVER_DATASTORE	online	15 GB	6 GB	59%	ZENPR_HQ_01_S SD_1
SERVER_DATASTORE_2	online	20 GB	20 GB	0%	ZENPR_HQ_01_S SD_1
SERVER_DATASTORE_DR_dest	online	316 MB	66 MB	77%	ZENPR_HQ_01_S SD_1
SRM_PlaceHolder_DR_dest	online	128 MB	116 MB	5%	ZENPR_HQ_01_S SD_1
TEST	online	20 GB	6 GB	71%	ZENPR_HQ_01_S SD_1

Table 85 - Vserver Volume Information - SAN

1.6.3.3.1 Per Volumes QoS Policy Summary

The following section provides the Vserver per Volumes QoS Configuration on SAN.

Volume	Fixed Policy Name	Adaptive Policy Name
NTAPSOL_LUN_1	performance-fixed	None
Oracle_Data_Volumes	performance-fixed	None
SERVER_DATASTORE	extreme-fixed	None
SERVER_DATASTORE_2	performance-fixed	None
SERVER_DATASTORE_DR_dest	performance-fixed	None
SRM_PlaceHolder_DR_dest	performance-fixed	None
TEST	performance-fixed	None

Table 86 - Vserver Volume QoS Information - SAN

1.6.3.4 Volumes Snapshot Configuration Summary

The following section provides the Vserver Volumes Snapshot Configuration on SAN.

Volume	Snapshot Enabled	Reserve Size	Reserve Available	Used	Policy
NTAPSOL_LUN_1	No	0	0	140 MB	none
Oracle_Data_Volumes	Yes	13 GB	0	3 GB	default
SERVER_DATASTORE	No	0	0	4 GB	none
SERVER_DATASTORE_2	No	0	0	0	none
SERVER_DATASTORE_DR_dest	No	16 MB	15 MB	368 KB	none
SRM_PlaceHolder_DR_dest	No	6 MB	6 MB	372 KB	none
TEST	No	0	0	0	none

Table 87 - Vserver Volume SnapShot Configuration Information - SAN

1.6.3.4.1 HealthCheck - Volumes Snapshot Summary

The following section provides the Vserver Volumes Snapshot HealthCheck on SAN.

Volume Name	Snapshot Name	Created Time	Used
NTAPSOL_LUN_1	clone_NTAPSOL_LUN_1_cl.2021-07-22_020615.0	07/21/2021 22:06:16	140 MB
Oracle_Data_Volumes	Oracle_Database_ntaprhat-01v_08-01-2021_17.19.27.3637_0	08/01/2021 17:19:14	2 GB
Oracle_Data_Volumes	Oracle_Database_ntaprhat-01v_08-05-2021_12.13.54.2873_0	08/05/2021 12:13:44	95 MB
Oracle_Data_Volumes	Oracle_Database_ntaprhat-01v_08-05-2021_16.35.03.2903_0	08/05/2021 16:34:51	745 MB
Oracle_Data_Volumes	weekly.2021-09-22_0828	09/22/2021 08:28:54	1 MB

Table 88 - HealthCheck - Volume Snapshot over 7 days only - SAN

1.6.3.5 Protocol Information Summary

The following section provides a summary of the Vserver protocol information on SAN.

1.6.3.5.1 ISCSI Services Summary

The following section provides the ISCSI Service Information on SAN.

IQN Name	iqn.1992-08.com.netapp:sn.f4084491dfec11ebba75005056b073f8:vs.3
Alias Name	SAN
Tcp Window Size	131400
Max Cmds Per Session	128
Max Conn Per Session	4
Login Timeout	15

Status	Up
--------	----

Table 89 - Vserver ISCSI Service Information - SAN

1.6.3.5.1.1 ISCSI Interface Summary

The following section provides the ISCSI Interface Information on SAN.

Interface Name	IP Address	Port	Status
ISCSI-A-ZENPR-HQ-01	192.168.6.61	3260	Up
ISCSI-A-ZENPR-HQ-02	192.168.6.62	3260	Up
ISCSI-B-ZENPR-HQ-01	192.168.12.61	3260	Up
ISCSI-B-ZENPR-HQ-02	192.168.12.62	3260	Up

Table 90 - ISCSI Interface Information - SAN

1.6.3.5.2 FCP Services Summary

The following section provides the FCP Service Information on SAN.

FCP WWNN	Status
20:02:00:50:56:b0:73:f8	Up

Table 91 - Vserver FCP Service Information - SAN

1.6.3.5.2.1 FCP Interface Summary

The following section provides the FCP Interface Information on SAN.

Interface Name	FCP WWPN	Home Port
lif_SAN_24	20:03:00:50:56:b0:73:f8	0a
lif_SAN_300	20:04:00:50:56:b0:73:f8	0b
lif_SAN_378	20:00:00:50:56:b0:73:f8	0a
lif_SAN_622	20:01:00:50:56:b0:73:f8	0b

Table 92 - FCP Interface Information - SAN

1.6.3.5.2.2 FCP Physical Adapter Summary

The following section provides the FCP Physical Adapter Information on SAN.

Node Name	Adapter	Protocol	Speed	Status
ZENPR-HQ-01	0a	fibre_channel	auto	Up
ZENPR-HQ-01	0b	fibre_channel	auto	Up
ZENPR-HQ-01	0e	fibre_channel	auto	Up
ZENPR-HQ-01	0f	fibre_channel	auto	Up
ZENPR-HQ-01	1a	fibre_channel	auto	Up
ZENPR-HQ-01	1b	fibre_channel	auto	Up

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Node Name	Adapter	Protocol	Speed	Status
ZENPR-HQ-02	0a	fibre_channel	auto	Up
ZENPR-HQ-02	0b	fibre_channel	auto	Up
ZENPR-HQ-02	0e	fibre_channel	auto	Up
ZENPR-HQ-02	0f	fibre_channel	auto	Up
ZENPR-HQ-02	1a	fibre_channel	auto	Up
ZENPR-HQ-02	1b	fibre_channel	auto	Up

Table 93 - FCP Physical Adapter Information - ZENPR-HQ

1.6.3.5.3 FCP/ISCSI Lun Storage Summary

The following section provides the Lun Storage Information on SAN.

Lun Name	NTAPSOL_LUN_1
Parent Volume	NTAPSOL_LUN_1
Path	/vol/NTAPSOL_LUN_1/NTAPSOL_LUN_1
Serial Number	wOj6c\$RRfF7L
Initiator Group	NTAPSOL-01V
Home Node	ZENPR-HQ-01
Capacity	50 GB
Available	49 GB
Used	1%
OS Type	solaris_efi
IsThin	Yes
Space Allocation	Disabled
Space Reservation	Disabled
IsMapped	Yes
Status	Down

Lun Name	Oracle_Data_U02
Parent Volume	Oracle_Data_Volumes
Path	/vol/Oracle_Data_Volumes/Oracle_Data_U02
Serial Number	wOj6b]RPRHX7
Initiator Group	NTAPRHAT-01V
Home Node	ZENPR-HQ-01
Capacity	50 GB
Available	46 GB
Used	7%
OS Type	linux
IsThin	Yes
Space Allocation	Disabled
Space Reservation	Disabled
IsMapped	Yes
Status	Down

Lun Name	Oracle_Data_U03
Parent Volume	Oracle_Data_Volumes

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Path	/vol/Oracle_Data_Volumes/Oracle_Data_U03
Serial Number	wOj6bJRPRHX8
Initiator Group	NTAPRHAT-01V
Home Node	ZENPR-HQ-01
Capacity	50 GB
Available	50 GB
Used	0%
OS Type	linux
IsThin	Yes
Space Allocation	Disabled
Space Reservation	Disabled
IsMapped	Yes
Status	Down

Lun Name	Oracle_Data_U04
Parent Volume	Oracle_Data_Volumes
Path	/vol/Oracle_Data_Volumes/Oracle_Data_U04
Serial Number	wOj6bJRPRHX9
Initiator Group	NTAPRHAT-01V
Home Node	ZENPR-HQ-01
Capacity	50 GB
Available	50 GB
Used	0%
OS Type	linux
IsThin	Yes
Space Allocation	Disabled
Space Reservation	Disabled
IsMapped	Yes
Status	Down

Lun Name	SERVER_DATASTORE
Parent Volume	SERVER_DATASTORE
Path	/vol/SERVER_DATASTORE/SERVER_DATASTORE
Serial Number	wOj6bJRPRHX5
Initiator Group	RegionA01-COMP-CLUSTER
Home Node	ZENPR-HQ-01
Capacity	50 GB
Available	42 GB
Used	17%
OS Type	vmware
IsThin	Yes
Space Allocation	Enabled
Space Reservation	Disabled
IsMapped	Yes
Status	Down

Lun Name	SERVER_DATASTORE_2_1
Parent Volume	SERVER_DATASTORE_2

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Path	/vol/SERVER_DATASTORE_2/SERVER_DATASTORE_2_1
Serial Number	wOj6c\$RRf7N
Initiator Group	
Home Node	ZENPR-HQ-01
Capacity	10 GB
Available	10 GB
Used	0%
OS Type	vmware
IsThin	Yes
Space Allocation	Disabled
Space Reservation	Disabled
IsMapped	No
Status	Down

Lun Name	SERVER_DATASTORE_2_2
Parent Volume	SERVER_DATASTORE_2
Path	/vol/SERVER_DATASTORE_2/SERVER_DATASTORE_2_2
Serial Number	wOj6c\$RRf7M
Initiator Group	
Home Node	ZENPR-HQ-01
Capacity	10 GB
Available	10 GB
Used	0%
OS Type	vmware
IsThin	Yes
Space Allocation	Disabled
Space Reservation	Disabled
IsMapped	No
Status	Down

Lun Name	SERVER_DATASTORE_DR
Parent Volume	SERVER_DATASTORE_DR_dest
Path	/vol/SERVER_DATASTORE_DR_dest/SERVER_DATASTORE_DR
Serial Number	wOj6b]RPRHXO
Initiator Group	
Home Node	ZENPR-HQ-01
Capacity	50 GB
Available	50 GB
Used	1%
OS Type	vmware
IsThin	Yes
Space Allocation	Disabled
Space Reservation	Disabled
IsMapped	No
Status	Up

Lun Name	SRM_PlaceHolder_DR
Parent Volume	SRM_PlaceHolder_DR_dest

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Path	/vol/SRM_PlaceHolder_DR_dest/SRM_PlaceHolder_DR
Serial Number	wOj6b]RPRHXP
Initiator Group	
Home Node	ZENPR-HQ-01
Capacity	10 GB
Available	10 GB
Used	0%
OS Type	vmware
IsThin	Yes
Space Allocation	Disabled
Space Reservation	Disabled
IsMapped	No
Status	Up

Lun Name	TEST
Parent Volume	TEST
Path	/vol/TEST/TEST
Serial Number	wOj6b]RPRHXR
Initiator Group	TEST
Home Node	ZENPR-HQ-01
Capacity	20 GB
Available	6 GB
Used	72%
OS Type	windows_2008
IsThin	Yes
Space Allocation	Enabled
Space Reservation	Disabled
IsMapped	Yes
Status	Down

1.6.3.5.3.1 Igroup Mapping Summary

The following section provides the Igroup Mapping Information on SAN.

Igroup Name	NTAPRHAT-01V
Type	linux
Protocol	mixed
Initiators	iqn.1994-05.com.redhat:abdab89e83c7
Mapped Lun	Oracle_Data_U02 Oracle_Data_U03 Oracle_Data_U04
Reporting Nodes	ZENPR-HQ-01 ZENPR-HQ-02

Igroup Name	NTAPSOL-01V
Type	solaris
Protocol	mixed
Initiators	iqn.1986-03.com.sun:01:2845eacc1fae.60bbfa60
Mapped Lun	NTAPSOL_LUN_1
Reporting Nodes	ZENPR-HQ-01 ZENPR-HQ-02

Igroup Name	RegionA01-COMP-CLUSTER
Type	vmware
Protocol	mixed
Initiators	iqn.1998-01.com.vmware:comp-01a-2581ec1ed06134af iqn.1998-01.com.vmware:comp-02a-2c120275e45e175a
Mapped Lun	SERVER_DATASTORE
Reporting Nodes	ZENPR-HQ-01 ZENPR-HQ-02

Igroup Name	TEST
Type	windows
Protocol	mixed
Initiators	iqn.1991-05.com.microsoft:ntapwin-01v.zenpr.local
Mapped Lun	TEST
Reporting Nodes	ZENPR-HQ-01 ZENPR-HQ-02

1.6.3.5.3.2 HealthCheck - Non-Mapped Lun Information

The following section provides information of Non Mapped Lun on SAN.

Volume Name	Lun Name	Online	Mapped	Lun Format
SERVER_DATASTORE_2	SERVER_DATASTORE_2_1	No	No	vmware
SERVER_DATASTORE_2	SERVER_DATASTORE_2_2	No	No	vmware
SERVER_DATASTORE_DR_dest	SERVER_DATASTORE_DR	Yes	No	vmware
SRM_PlaceHolder_DR_dest	SRM_PlaceHolder_DR	Yes	No	vmware

Table 94 - HealthCheck - Non-Mapped Lun - SAN

1.7 Replication Summary

The following section provides a summary of the replication information on ZENPR-HQ.

1.7.1 Cluster Peer Information

The following section provides the Cluster Peer information on ZENPR-HQ.

Cluster Peer	Cluster Nodes	Peer Addresses	Cluster Health	IP Space	Status
ONTAP-EDGE		192.168.11.221		Default	UNAVAILBL E
ZENPR-DR		10.10.36.14 10.10.36.15		Default	UNAVAILBL E

Table 95 - Replication - Cluster Peer Information - ZENPR-HQ

1.7.2 Vserver Peer Information

The following section provides the Vserver Peer information on ZENPR-HQ.

Vserver	Peer Vserver	Peer Cluster	Applications	Peer State
NAS	NAS-DR	ZENPR-DR	flexcache	peered
NAS	NAS-HQ	ONTAP-EDGE	snapmirror	peered
NAS	SAN-DR	ZENPR-DR	snapmirror flexcache	peered
NFS	SAN-DR	ZENPR-DR	snapmirror flexcache	pending
SAN	SAN-DR	ZENPR-DR	snapmirror	peered

Table 96 - Replication - Vserver Peer Information - ZENPR-HQ

1.7.2.1 SnapMirror Relationship Information

The following section provides the SnapMirror Relationship information on ZENPR-HQ.

Source Vserver	NAS-HQ
Source Location	NAS-HQ:vol_19082021_201759_59
Destination Vserver	NAS
Destination Location	NAS:vol_19082021_201759_59_dest
Mirror State	snapmirrored
Schedule	HOURLY
Relationship Type	XDP
Policy	MirrorAndVault
Policy Type	mirror_vault
Unhealthy Reason	Transfer failed.
Lag Time	41 days, 23 hrs, 40 mins, 41 secs
Status	TRANSFERRING

Source Vserver	SAN-DR
Source Location	SAN-DR:SERVER_DATASTORE_DR
Destination Vserver	SAN
Destination Location	SAN:SERVER_DATASTORE_DR_dest
Mirror State	snapmirrored
Schedule	HOURLY
Relationship Type	XDP
Policy	Asynchronous
Policy Type	mirror_vault
Unhealthy Reason	Transfer failed.
Lag Time	41 days, 23 hrs, 41 mins, 41 secs
Status	TRANSFERRING

Source Vserver	SAN-DR
Source Location	SAN-DR:SRM_PlaceHolder_DR
Destination Vserver	SAN
Destination Location	SAN:SRM_PlaceHolder_DR_dest
Mirror State	snapmirrored
Schedule	HOURLY
Relationship Type	XDP

Policy	Asynchronous
Policy Type	mirror_vault
Unhealthy Reason	Transfer failed.
Lag Time	2 days, 03 hrs, 41 mins, 2 secs
Status	TRANSFERRING

1.7.2.1.1 SnapMirror Replication History Information

The following section provides the SnapMirror Operation information on ZENPR-HQ.

1.7.2.2 SnapMirror Destinations Information

The following section provides the SnapMirror (List-Destination) information on ZENPR-HQ.

Destination Vserver	SAN-DR
Destination Location	SAN-DR:Oracle_Data_Volumes_dest
Source Vserver	SAN
Source Location	SAN:Oracle_Data_Volumes
Relationship Type	XDP
Policy Type	mirror_vault
Status	Unknown

Destination Vserver	SAN-DR
Destination Location	SAN-DR:vol_SERVER_DATASTORE_dest
Source Vserver	SAN
Source Location	SAN:SERVER_DATASTORE
Relationship Type	XDP
Policy Type	mirror_vault
Status	Unknown

1.7.2.3 Ontap Mediator Information

The following section provides the SnapMirror Mediator information on ZENPR-HQ.

Peer cluster	IP Address	port	Status
ZENPR-DR	192.168.6.16	31784	Unreachable

Table 97 - Replication - SnapMirror Mediator Information - ZENPR-HQ

1.8 Efficiency Summary

The following section provides the Storage Efficiency Saving information on ZENPR-HQ.

Aggregate	Used %	Capacity Tier Used	Compaction Saved %	Deduplication Saved %	Total Data reduction
ZENPR_HQ_01_SSD_1	18%	2.5 GB	2%	2%	4.46:1
ZENPR_HQ_02_SSD_1	0%	0	0%	0%	1.00:1

Table 98 - Storage Efficiency Savings Information - ZENPR-HQ

1.8.1 Aggregate Total Efficiency Summary

The following section provides the Aggregate Efficiency Saving information on ZENPR-HQ.

Aggregate	Logical Used	Physical Used	Compaction Saved	Data reduction
ZENPR_HQ_01_SSD_1	40 GB	40 GB	796 MB	1.02:1
ZENPR_HQ_02_SSD_1	8 MB	8 MB	0	1.00:1

Table 99 - Aggregate Efficiency Savings Information - ZENPR-HQ

1.8.1.1 HealthCheck - Volume efficiency opportunities for improvement

The following section provides the Volume efficiency healthcheck Information on ZENPR-HQ.

Aggregate	Volumes without Deduplication
ZENPR_HQ_01_SSD_1	TEST
ZENPR_HQ_02_SSD_1	fg_oss_1630605678__0001 fg_oss_1630605678__0002 fg_oss_1630340493__0001 fg_oss_1630340493__0002 fg_oss_1630605744__0001 fg_oss_1630605744__0002

Table 100 - HealthCheck - Volume efficiency opportunities for improvement - ZENPR-HQ

1.8.1.2 NAS Vserver Volume Deduplication Summary

The following section provides the Volume Deduplication Summary on NAS.

Volume	State	Status	Schedule Or Policy	Progress
DATA	Enabled	idle	default	
DATA__0001	Enabled	idle	default	Idle for 00:08:44
DATA_clone_299	Enabled	idle	default	
DATA_clone_299__0001	Enabled	idle	default	Idle for 00:08:44
NAS_root	Enabled	idle	default	Idle for 00:08:44
vol_19082021_201759_59_d est	Enabled	idle	-	Idle for 1007:39:20
vol_19082021_201759_59_d est_clone_652	Enabled	idle	-	Idle for 1303:39:25

Table 101 - Volume Deduplication Information - NAS

1.8.1.2.1 Volume Efficiency Summary

The following section provides the Volume Efficiency Saving Detailed information on NAS.

Volume	Capacity	Used	Snapshot Used	Total Savings	Effective Used	Efficiency Percent
DATA	100 GB	3 GB	0	3 GB	5 GB	5.3%
DATA__0001	100 GB	3 GB	32 MB	3 GB	5 GB	5.3%
DATA_clone_299	100 GB	3 GB	0	5 GB	8 GB	7.6%
DATA_clone_299__0001	100 GB	3 GB	45 MB	5 GB	8 GB	7.6%
fg_oss_1630605678	800 GB	30 MB	0	0	30 MB	0.0%
fg_oss_1630605678__0001	400 GB	29 MB	0	0	29 MB	0.0%
fg_oss_1630605678__0002	400 GB	29 MB	0	0	29 MB	0.0%
NAS_root	19 MB	1 MB	2 MB	147 KB	1 MB	6.9%
vol_19082021_201759_59_dest	5 GB	5 GB	5 GB	0	4 GB	76.7%
vol_19082021_201759_59_dest_clone_652	5 GB	4 GB	0	9 MB	4 GB	81.9%

Table 102 - Volume Efficiency Savings Information - NAS

1.8.1.2.2 Volume Efficiency Detail

The following section provides the Volume Efficiency Saving Detailed information on NAS.

Volume	Capacity	Dedupe Savings	Compression Savings	Snapshot Savings	Cloning Savings	Efficiency %	Efficiency % w/o Snapshots
DATA	100 GB	2 MB	2 MB	3 GB	0	5.3%	0.0%
DATA__0001	100 GB	2 MB	2 MB	3 GB	0	5.3%	0.0%
DATA_clone_299	100 GB	12 KB	236 KB	3 GB	2 GB	7.6%	0.0%
DATA_clone_299__0001	100 GB	12 KB	236 KB	3 GB	2 GB	7.6%	0.0%
fg_oss_1630605678	800 GB	0	0	0	0	0.0%	0.0%
fg_oss_1630605678__0001	400 GB	0	0	0	0	0.0%	0.0%
fg_oss_1630605678__0002	400 GB	0	0	0	0	0.0%	0.0%
vol_19082021_201759_59_dest	5 GB	4 KB	1 MB	0	0	76.7%	0.0%
vol_19082021_201759_59_dest_clone_652	5 GB	4 MB	5 MB	0	0	81.9%	0.0%

Table 103 - Volume Efficiency Savings Detailed Information - NAS

1.8.1.3 NFS Vserver Volume Deduplication Summary

The following section provides the Volume Deduplication Summary on NFS.

Volume	State	Status	Schedule Or Policy	Progress
NFS_root	Enabled	idle	default	Idle for 00:09:17
SHARE_NFS	Enabled	idle	default	Idle for 00:09:17

Table 104 - Volume Deduplication Information - NFS

1.8.1.3.1 Volume Efficiency Summary

The following section provides the Volume Efficiency Saving Detailed information on NFS.

Volume	Capacity	Used	Snapshot Used	Total Savings	Effective Used	Efficiency Percent
fg_oss_1630340493	800 GB	1 MB	0	0	1 MB	0.0%
fg_oss_1630340493__0001	400 GB	29 MB	0	0	29 MB	0.0%
fg_oss_1630340493__0002	400 GB	29 MB	0	0	29 MB	0.0%
fg_oss_1630605744	800 GB	30 MB	0	0	30 MB	0.0%
fg_oss_1630605744__0001	400 GB	29 MB	0	0	29 MB	0.0%
fg_oss_1630605744__0002	400 GB	29 MB	0	0	29 MB	0.0%
NFS_root	19 MB	2 MB	2 MB	277 KB	2 MB	11.8%
SHARE_NFS	1 GB	452 KB	3 MB	127 KB	579 KB	0.1%

Table 105 - Volume Efficiency Savings Information - NFS

1.8.1.3.2 Volume Efficiency Detail

The following section provides the Volume Efficiency Saving Detailed information on NFS.

Volume	Capacity	Dedupe Savings	Compression Savings	Snapshot Savings	Cloning Savings	Efficiency %	Efficiency % w/o Snapshots
fg_oss_1630340493	800 GB	0	0	0	0	0.0%	0.0%
fg_oss_1630340493__0001	400 GB	0	0	0	0	0.0%	0.0%
fg_oss_1630340493__0002	400 GB	0	0	0	0	0.0%	0.0%
fg_oss_1630605744	800 GB	0	0	0	0	0.0%	0.0%
fg_oss_1630605744__0001	400 GB	0	0	0	0	0.0%	0.0%
fg_oss_1630605744__0002	400 GB	0	0	0	0	0.0%	0.0%
SHARE_NFS	1 GB	0	0	127 KB	0	0.1%	0.0%

Table 106 - Volume Efficiency Savings Detailed Information - NFS

1.8.1.4 SAN Vserver Volume Deduplication Summary

The following section provides the Volume Deduplication Summary on SAN.

Volume	State	Status	Schedule Or Policy	Progress
NTAPSOL_LUN_1	Enabled	idle	default	Idle for 00:09:35
Oracle_Data_Volumes	Enabled	idle	default	Idle for 00:09:33
SAN_root	Enabled	idle	default	Idle for 00:09:35

Volume	State	Status	Schedule Or Policy	Progress
SERVER_DATASTORE	Enabled	idle	default	Idle for 00:09:35
SERVER_DATASTORE_2	Enabled	idle	default	Idle for 00:09:35
SERVER_DATASTORE_DR_dest	Enabled	idle	default	Idle for 1007:42:18
SRM_PlaceHolder_DR_dest	Enabled	idle	default	Idle for 51:42:18

Table 107 - Volume Deduplication Information - SAN

1.8.1.4.1 Volume Efficiency Summary

The following section provides the Volume Efficiency Saving Detailed information on SAN.

Volume	Capacity	Used	Snapshot Used	Total Savings	Effective Used	Efficiency Percent
NTAPSOL_LUN_1	50 GB	185 MB	140 MB	613 MB	798 MB	1.6%
Oracle_Data_Volumes	240 GB	2 GB	3 GB	3 GB	5 GB	2.2%
SAN_root	19 MB	1 MB	2 MB	118 KB	1 MB	6.7%
SERVER_DATASTORE	15 GB	9 GB	4 GB	6 GB	15 GB	100.7%
SERVER_DATASTORE_2	20 GB	668 KB	0	0	668 KB	0.0%
SERVER_DATASTORE_DR_dest	300 MB	234 MB	368 KB	334 MB	567 MB	188.9%
SRM_PlaceHolder_DR_dest	122 MB	6 MB	372 KB	47 MB	53 MB	43.7%
TEST	20 GB	14 GB	0	0	14 GB	71.7%

Table 108 - Volume Efficiency Savings Information - SAN

1.8.1.4.2 Volume Efficiency Detail

The following section provides the Volume Efficiency Saving Detailed information on SAN.

Volume	Capacity	Dedupe Savings	Compression Savings	Snapshot Savings	Cloning Savings	Efficiency %	Efficiency % w/o Snapshots
NTAPSOL_LUN_1	50 GB	336 MB	371 MB	0	0	1.6%	79.0%
Oracle_Data_Volumes	240 GB	466 MB	1 GB	2 GB	0	2.2%	53.0%
SERVER_DATASTORE	15 GB	2 GB	2 GB	2 GB	0	100.7%	30.0%
SERVER_DATASTORE_2	20 GB	0	0	0	0	0.0%	0.0%
SERVER_DATASTORE_DR_dest	300 MB	100 MB	0	234 MB	0	188.9%	30.0%
SRM_PlaceHolder_DR_dest	122 MB	41 MB	0	6 MB	0	43.7%	87.0%
TEST	20 GB	0	0	0	0	71.7%	0.0%

Table 109 - Volume Efficiency Savings Detailed Information - SAN

1.9 Security Summary

The following section provides the Security related information on ZENPR-HQ.

1.9.1 NAS Vserver Local User Summary

The following section provides the Local User information on NAS.

User Name	Application	Auth Method	RoleName	Locked
vsadmin	Http	password	vsadmin	Yes
vsadmin	Ontapi	password	vsadmin	Yes
vsadmin	Ssh	password	vsadmin	Yes

Table 110 - Security Local Users information - NAS

1.9.2 NFS Vserver Local User Summary

The following section provides the Local User information on NFS.

User Name	Application	Auth Method	RoleName	Locked
vsadmin	Http	password	vsadmin	Yes
vsadmin	Ontapi	password	vsadmin	Yes
vsadmin	Ssh	password	vsadmin	Yes

Table 111 - Security Local Users information - NFS

1.9.3 SAN Vserver Local User Summary

The following section provides the Local User information on SAN.

User Name	Application	Auth Method	RoleName	Locked
Private	Snmp	community	vsadmin-readonly	-
vsadmin	Http	password	vsadmin	Yes
vsadmin	Ontapi	password	vsadmin	Yes
vsadmin	Ssh	password	vsadmin	Yes

Table 112 - Security Local Users information - SAN

1.9.4 Vserver SSL Certificate Summary

The following section provides the Vserver SSL Certificates information on ZENPR-HQ.

Common Name	Certificate Authority	Client Auth	Server Auth	Serial Number	Vserver
NAS	NAS	Yes	Yes	169206CAC1E5D7FE	NAS
NFS	NFS	Yes	Yes	16988F283AE9725A	NFS
ZENPR-HQ	ZENPR-HQ	No	Yes	16904C1617930033	ZENPR-HQ
SAN	SAN	No	Yes	168FD281723B93D4	SAN

Table 113 - Per Vserver SSL information - ZENPR-HQ

The following section provides the Vserver SSL Certificates Detailed information on ZENPR-HQ.

Common Name	Protocol	Hash Function	Serial Number	Expiration	Vserver
NAS	ssl	SHA256	169206CAC1E5D7FE	7/15/2022	NAS
NAS	ssl	SHA256	169206CCC4BD0C98	7/9/2023	NAS
Server	ssl	SHA256	16A11331EF36D4FB	7/9/2023	NAS
NFS	ssl	SHA256	16988F283AE9725A	8/5/2022	NFS
fabricpool	ssl	SHA256	16A1132BB89AD0BC	8/6/2023	NFS
nfs	ssl	SHA256	169A6E64CDEECCD5	8/5/2023	NFS
ZENPR-HQ	ssl	SHA256	16904C1617930033	7/9/2022	ZENPR-HQ
SAN	ssl	SHA256	168FD281723B93D4	7/8/2022	SAN

Table 114 - SSL Detailed information - ZENPR-HQ

1.9.5 Key Management Service (KMS) Summary

The following section provides the Key Management Service type on ZENPR-HQ.

Cluster IP	Key Store	Vserver
192.168.7.60	Onboard	ZENPR-HQ

Table 115 - Key Management Service (KMS) information - ZENPR-HQ

1.9.6 Aggregate Encryption (NAE) Summary

The following section provides the Aggregate Encryption (NAE) information on ZENPR-HQ.

Aggregate	Aggregate Encryption	Volume Count	State
aggr0_ZENPR_HQ_01	No	1	Online
aggr0_ZENPR_HQ_02	No	1	Online
ZENPR_HQ_01_SSD_1	No	15	Online
ZENPR_HQ_02_SSD_1	Yes	6	Online

Table 116 - Aggregate Encryption (NAE) information - ZENPR-HQ

1.9.6.1 Volume Encryption (NVE) Summary

The following section provides the Volume Encryption (NVE) information on ZENPR-HQ.

Name	Aggregate	Encrypted	State
DATA		No	Online
DATA_clone_299		No	Online
fg_oss_1630605678		Yes	Online
vol_19082021_201759_59_dest	ZENPR_HQ_01_SSD_1	No	Online
vol_19082021_201759_59_dest_clone_652	ZENPR_HQ_01_SSD_1	No	Online
fg_oss_1630340493		Yes	Online
fg_oss_1630605744		Yes	Online
SHARE_NFS	ZENPR_HQ_01_SSD_1	No	Online
NTAPSOL_LUN_1	ZENPR_HQ_01_SSD_1	No	Online
Oracle_Data_Volumes	ZENPR_HQ_01_SSD_1	No	Online
SERVER_DATASTORE	ZENPR_HQ_01_SSD_1	No	Online

Name	Aggregate	Encrypted	State
SERVER_DATASTORE_2	ZENPR_HQ_01_SSD_1	No	Online
SERVER_DATASTORE_DR_dest	ZENPR_HQ_01_SSD_1	No	Online
SRM_PlaceHolder_DR_dest	ZENPR_HQ_01_SSD_1	No	Online
TEST	ZENPR_HQ_01_SSD_1	Yes	Online

Table 117 - Volume Encryption (NVE) information - ZENPR-HQ

1.9.7 Snaplock Compliance Clock Information Summary

The following section provides the Snaplock Compliance Clock information on ZENPR-HQ.

Node Name	Compliance Clock
ZENPR-HQ-01	ComplianceClock is not configured.
ZENPR-HQ-02	ComplianceClock is not configured.

Table 118 - Snaplock Compliance Clock Information - ZENPR-HQ

1.9.7.1 Aggregate Snaplock Type Information

The following section provides the Aggregate Snaplock Type information on ZENPR-HQ.

Aggregate Name	Snaplock Type
ZENPR_HQ_01_SSD_1	Non_Snaplock
ZENPR_HQ_02_SSD_1	Non_Snaplock

Table 119 - Aggregate Snaplock Type Information - ZENPR-HQ

1.9.7.1.1 Volume Snaplock Type Information

The following section provides the Volume Snaplock Type information on ZENPR-HQ.

Volume	Aggregate	Snaplock Type
DATA		Non_Snaplock
DATA__0001	ZENPR_HQ_01_SSD_1	Non_Snaplock
DATA_clone_299		Non_Snaplock
DATA_clone_299__0001	ZENPR_HQ_01_SSD_1	Non_Snaplock
fg_oss_1630605678		Non_Snaplock
fg_oss_1630605678__0001	ZENPR_HQ_02_SSD_1	Non_Snaplock
fg_oss_1630605678__0002	ZENPR_HQ_02_SSD_1	Non_Snaplock
vol_19082021_201759_59_dest	ZENPR_HQ_01_SSD_1	Non_Snaplock
vol_19082021_201759_59_dest_clone_652	ZENPR_HQ_01_SSD_1	Non_Snaplock
fg_oss_1630340493		Non_Snaplock
fg_oss_1630340493__0001	ZENPR_HQ_02_SSD_1	Non_Snaplock
fg_oss_1630340493__0002	ZENPR_HQ_02_SSD_1	Non_Snaplock
fg_oss_1630605744		Non_Snaplock
fg_oss_1630605744__0001	ZENPR_HQ_02_SSD_1	Non_Snaplock
fg_oss_1630605744__0002	ZENPR_HQ_02_SSD_1	Non_Snaplock
SHARE_NFS	ZENPR_HQ_01_SSD_1	Non_Snaplock

Volume	Aggregate	Snaplock Type
NTAPSOL_LUN_1	ZENPR_HQ_01_SSD_1	Non_Snaplock
Oracle_Data_Volumes	ZENPR_HQ_01_SSD_1	Non_Snaplock
SERVER_DATASTORE	ZENPR_HQ_01_SSD_1	Non_Snaplock
SERVER_DATASTORE_2	ZENPR_HQ_01_SSD_1	Non_Snaplock
SERVER_DATASTORE_DR_dest	ZENPR_HQ_01_SSD_1	Non_Snaplock
SRM_PlaceHolder_DR_dest	ZENPR_HQ_01_SSD_1	Non_Snaplock
TEST	ZENPR_HQ_01_SSD_1	Non_Snaplock

Table 120 - Volume Snaplock Type Information - ZENPR-HQ

1.10 System Configuration Summary

The following section provides the Cluster System Configuration on ZENPR-HQ.

1.10.1 System Image Configuration Summary

The following section provides the System Image Configuration on ZENPR-HQ.

Node	Location	Is Current	Is Default	Install Time	Version
ZENPR-HQ-01	image1	Yes	Yes	10/11/2021 19:42:54	9.9.1P3
ZENPR-HQ-01	image2	No	No	08/30/2021 16:53:26	9.9.1P2
ZENPR-HQ-02	image1	Yes	Yes	10/11/2021 19:42:04	9.9.1P3
ZENPR-HQ-02	image2	No	No	08/30/2021 16:51:08	9.9.1P2

Table 121 - System Image information - ZENPR-HQ

1.10.2 System Web Service Summary

The following section provides the System Web Service Status on ZENPR-HQ.

Node	Http Enabled	Http Port	Https Port	External	Status	Status Code
ZENPR-HQ-01	No	80	443	Yes	Online	200
ZENPR-HQ-02	No	80	443	Yes	Online	200

Table 122 - System Web Service information - ZENPR-HQ

1.10.3 DNS Configuration Summary

The following section provides the DNS Configuration on ZENPR-HQ.

Vserver	Dns State	Domains	Name Servers	Timeout/s
NAS	Enabled	zenpr.local	192.168.5.1	2
NFS	Enabled	zenpr.local	192.168.5.1	2
ZENPR-HQ	Enabled	zenpr.local	192.168.5.1	2

Table 123 - System DNS Configuration Information - ZENPR-HQ

1.10.4 Configuration Backup Setting Summary

The following section provides the Configuration Backup Setting on ZENPR-HQ.

Cluster IP	Url	Username
192.168.7.60	ftp://192.168.5.2/ontap/backups	god

Table 124 - System Configuration Backup Setting Information - ZENPR-HQ

1.10.4.1 ZENPR-HQ-01 Configuration Backup Items Summary

The following section provides the Configuration Backup Items on ZENPR-HQ.

Backup Name	Created	Size	Schedule	Is Auto
ZENPR-HQ.weekly.2021-09-26.21_33_03.7z	9/26/2021	52 MB	weekly	Yes
ZENPR-HQ.weekly.2021-10-09.15_30_14.7z	10/9/2021	52 MB	weekly	Yes
ZENPR-HQ.weekly.2021-10-10.08_58_59.7z	10/10/2021	54 MB	weekly	Yes
ZENPR-HQ.daily.2021-10-11.07_59_08.7z	10/11/2021	54 MB	daily	Yes
ZENPR-HQ.daily.2021-10-12.15_12_09.7z	10/12/2021	56 MB	daily	Yes
ZENPR-HQ.8hour.2021-10-12.15_12_31.7z	10/12/2021	57 MB	8hour	Yes
ZENPR-HQ.8hour.2021-10-12.18_15_00.7z	10/12/2021	58 MB	8hour	Yes
ZENPR-HQ.8hour.2021-10-13.21_37_39.7z	10/13/2021	56 MB	8hour	Yes
ZENPR-HQ.daily.2021-10-13.21_37_39.7z	10/13/2021	56 MB	daily	Yes

Table 125 - System Configuration Backups Information - ZENPR-HQ-01

1.10.4.2 ZENPR-HQ-02 Configuration Backup Items Summary

The following section provides the Configuration Backup Items on ZENPR-HQ.

Backup Name	Created	Size	Schedule	Is Auto
ZENPR-HQ.weekly.2021-10-09.15_30_14.7z	10/9/2021	52 MB	weekly	Yes
ZENPR-HQ.weekly.2021-10-10.08_58_59.7z	10/10/2021	54 MB	weekly	Yes
ZENPR-HQ.daily.2021-10-12.15_12_09.7z	10/12/2021	56 MB	daily	Yes
ZENPR-HQ.8hour.2021-10-12.18_15_00.7z	10/12/2021	58 MB	8hour	Yes
ZENPR-HQ.8hour.2021-10-13.21_37_39.7z	10/13/2021	56 MB	8hour	Yes
ZENPR-HQ.daily.2021-10-13.21_37_39.7z	10/13/2021	56 MB	daily	Yes

Table 126 - System Configuration Backups Information - ZENPR-HQ-02

1.10.5 EMS Configuration Summary

The following section provides the EMS Configuration on ZENPR-HQ.

Name	Email Destinations	Snm Traphost	Snm Community	Syslog	Syslog Facility
allevents	-	-	-	-	-
asup	-	-	-	-	-
criticals	jcolonf@zenprsolutions.com	-	Private	192.168.5.10	default
pager	-	-	-	-	-
traphost	-	192.168.5.2	Private	-	-

Table 127 - System EMS Configuration Setting Information - ZENPR-HQ

1.10.5.1 ZENPR-HQ-01 Emergency and Alert Messages Summary

The following section provides Cluster Emergency and Alert Messages on ZENPR-HQ.

TimeDT	Severity	Event
10/13/2021 21:39:54	emergency	object.store.unavailable: Unable to connect to the object store "ontap_s3_640" from node 8fd3bb6f-dfe2-11eb-823b-005056b073f8. Reason: Connection unavailable.
10/13/2021 21:39:42	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124471.
10/13/2021 21:39:42	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124467.
10/13/2021 21:39:42	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124465.
10/13/2021 21:39:42	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124461.
10/13/2021 21:39:42	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124474.

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TimeDT	Severity	Event
10/13/2021 21:39:42	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124470.
10/13/2021 21:39:42	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124466.
10/13/2021 21:39:42	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124464.
10/13/2021 21:39:42	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124473.
10/13/2021 21:39:42	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124469.
10/13/2021 21:39:42	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124463.
10/13/2021 21:39:42	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124460.
10/13/2021 21:39:42	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124472.
10/13/2021 21:39:42	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache

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TimeDT	Severity	Event
		volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124468.
10/13/2021 21:39:42	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124462.
10/13/2021 21:39:42	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124459.
10/12/2021 20:36:02	alert	perf.ccma.off: Performance archiver is not enabled for datastore ".
10/12/2021 20:34:45	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124473.
10/12/2021 20:34:45	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124469.
10/12/2021 20:34:45	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124463.
10/12/2021 20:34:45	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124460.
10/12/2021 20:34:45	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124474.
10/12/2021 20:34:45	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124470.

TimeDT	Severity	Event
10/12/2021 20:34:45	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124472.
10/12/2021 20:34:45	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124466.
10/12/2021 20:34:45	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124464.
10/12/2021 20:34:45	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124468.
10/12/2021 20:34:45	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124462.
10/12/2021 20:34:45	emergency	flexcache.cacheDisconnected: FlexCache origin volume with Name DATA__0001 MSID 2147617561 on Vserver Name NAS UUID 89e9a62a-e591-11eb-8bdc-005056b08a17 is disconnected from FlexCache volume with Vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and MSID 2164124459.

Table 128 - HealthCheck - System EMS Messages Information - ZENPR-HQ-01

1.10.5.2 ZENPR-HQ-02 Emergency and Alert Messages Summary

The following section provides Cluster Emergency and Alert Messages on ZENPR-HQ.

TimeDT	Severity	Event
10/13/2021 21:39:53	emergency	object.store.unavailable: Unable to connect to the object store "ontap_s3_640" from node a200fe7f-dfe4-11eb-8bee-005056b08a17. Reason: Connection unavailable.
10/12/2021 20:27:38	emergency	rdb.recovery.failed: Error: Unable to find a master. Unable to recover the local database of Data Replication Module: Crs.

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TimeDT	Severity	Event
10/12/2021 20:27:39	emergency	rdb.recovery.failed: Error: Unable to find a master. Unable to recover the local database of Data Replication Module: VifMgr.
10/12/2021 20:27:47	emergency	rdb.recovery.failed: Error: Unable to find a master. Unable to recover the local database of Data Replication Module: Management.
10/12/2021 20:27:47	emergency	spm.mgwd.process.exit: Management Gateway (mgwd) subsystem with ID 4844 exited as a result of signal normal exit (255). The subsystem will attempt to restart.
10/12/2021 20:28:18	emergency	callhome.root.vol.recovery.reqd: Call home for ROOT VOLUME NOT WORKING PROPERLY: RECOVERY REQUIRED.
10/12/2021 20:29:21	emergency	spm.mgwd.process.exit: Management Gateway (mgwd) subsystem with ID 9733 exited as a result of signal normal exit (1). The subsystem will attempt to restart.
10/12/2021 20:29:55	alert	flexcache.conf.refreshFailed: Failed to refresh FlexCache configuration for peer vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and peer volume MSID 2164124458. isPeerOrigin : 0.
10/12/2021 20:30:57	alert	perf.ccma.off: Performance archiver is not enabled for datastore 'opm'.
10/12/2021 20:31:03	emergency	monitor.globalStatus.critical: Controller failover of ZENPR-HQ-01 is not possible: local halt in progress. Disk on adapter 0b unknown shelf and slot admin failed.
10/12/2021 20:33:31	alert	flexcache.conf.refreshFailed: Failed to refresh FlexCache configuration for peer vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and peer volume MSID 2164124458. isPeerOrigin : 0.
10/12/2021 20:35:09	alert	security.invalid.login: Failed to authenticate login attempt to Vserver: ZENPR-HQ, username: admin, application: console.
10/12/2021 20:36:00	alert	perf.ccma.off: Performance archiver is not enabled for datastore ".
10/12/2021 20:36:03	emergency	monitor.globalStatus.critical: Controller failover of ZENPR-HQ-01 is not possible: local halt in progress. Disk on adapter 0b unknown shelf and slot admin failed.
10/13/2021 21:37:00	emergency	monitor.globalStatus.critical: Controller failover of ZENPR-HQ-01 is not possible: unsynchronized log. Disk on adapter 0b unknown shelf and slot admin failed.
10/13/2021 21:37:25	alert	flexcache.conf.refreshFailed: Failed to refresh FlexCache configuration for peer vserver UUID 0e236a68-ff76-11eb-ac14-005056b05774 and peer volume MSID 2164124458. isPeerOrigin : 0.
10/12/2021 20:27:37	emergency	rdb.recovery.failed: Error: Unable to find a master. Unable to recover the local database of Data Replication Module: VLDB.

TimeDT	Severity	Event
10/12/2021 20:27:34	emergency	rdb.recovery.failed: Error: Unable to find a master. Unable to recover the local database of Data Replication Module: Bcom.

Table 129 - HealthCheck - System EMS Messages Information - ZENPR-HQ-02

1.10.6 System Timezone Configuration Summary

The following section provides the System Timezone Configuration on ZENPR-HQ.

Timezone	Timezone UTC	Timezone Version	Current Time
America/Puerto_Rico	-0400	2021a	10/13/2021 21:47:55

Table 130 - System TimeZone Information - ZENPR-HQ

1.10.6.1 Network Time Protocol Configuration

The following section provides the Network Time Protocol Configuration on ZENPR-HQ.

Server Name	NTP Version	Preferred	Authentication Enabled
192.168.5.1	Auto	No	No
pool.ntp.org	Auto	No	No

Table 131 - System Network Time Protocol Information - ZENPR-HQ

1.10.6.1.1 Network Time Protocol Node Status Information

The following section provides the Network Time Protocol Node Status on ZENPR-HQ.

Node	Time Offset	Selection State	Server	Peer Status
ZENPR-HQ-01	78.795	Server Not Responding or Too Distant	192.168.5.1	Reachable
ZENPR-HQ-01			pool.ntp.org	
ZENPR-HQ-02	81.425	Server Not Responding or Too Distant	192.168.5.1	Reachable
ZENPR-HQ-02			pool.ntp.org	

Table 132 - System NTP Host Status Information - ZENPR-HQ