



# NetApp

**Active IQ Config Advisor v6.7.2**

**Summary Report**

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## Collection Summary

Device Category	Device Type	Number
Storage Controller	ONTAP	1

## Summary Report

### Controllers(s) Profiled

Hostname	Controller Type	ONTAP Version	HA Partner
cl2-01	SIMBOX	NetApp Release 9.11.1	None

### Cluster Summary

Cluster Name	Cluster Management IP Address	Raw Capacity (TiB)	Usable Capacity (TiB)	Used Capacity (TiB)	HA Configured	No. of Node Vservers	No. of Data Vservers	No. of Aggregates	No. of Volumes	No. of Luns	No. of QTrees
cl2	192.168.4.209	0.017	0.002	0.002	false	1	0	1	NA	NA	NA

### Cluster: cl2

### Network Interfaces

Storage Virtual Machine	Interface Name	IPspace	Port	Remote Device	Speed	IP Address
cl2	cl2-01_mgmt1	Default	e0c	None	None	192.168.4.208
cl2	cluster_mgmt	Default	e0a	None	None	192.168.4.209

### Node: cl2-01

## Node Summary

Device Type	System Operating Mode	Cluster Name	Hostname	Serial Number	System ID	Release	Model
Storage Controller	ONTAP	cl2	cl2-01	4082368-50-7	4082368507	NetApp Release 9.11.1	SIMBOX

Configuration	IP Address	HA Partner Hostname	HA Partner System ID	Total Raw Capacity(TiB)	Total Usable capacity (TiB)	Total Used Capacity (TiB)
Unknown	NA	None	None	0.017	0.002	0.002

## Shelf and Drive Count

Total Shelves for HA pair	Total Owned Drives
0	14

## Hardware Slot Map

Slot No.	Description	Part Number	Serial Number
Slot 0	System Board 2.3 GHz (NetApp VSim)	NA	999999

## Network Ports

NODE	Port	Role	Link	MTU	MAC Address	Operational Speed	IPSpace Name	Broadcast Domain	InterfaceGroup Owner
cl2-01	e0a	NA	up	1500	00:0c:29:40:2d:d6	1000	Default	Default	NA
cl2-01	e0b	NA	up	1500	00:0c:29:40:2d:e0	1000	Default	Default	NA
cl2-01	e0c	NA	up	1500	00:0c:29:40:2d:ea	1000	Default	Default	NA
cl2-01	e0d	NA	up	1500	00:0c:29:40:2d:f4	1000	Default	Default-1	NA
cl2-01	e0e	NA	up	1500	00:0c:29:40:2d:fe	1000	Default	Default	NA
cl2-01	e0f	NA	up	1500	00:0c:29:40:2d:08	1000	Default	Default	NA








## Motherboard Firmware Review

Controller	Model	Current Firmware Version	Latest Firmware
c12-01	SIMBOX	NA	NA

## Disk Firmware Review

Controller	Disk Model	No. of Owned Disks	Current Firmware	Latest Firmware
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## Rule Results - 192.168.4.209

Target	Rules/Check	Description	Severity	Details	Recommendation
c12-01	raid.scrub.enable option is disabled	RAID Scrub has been disabled.	Best Practice 	The raid.scrub.enable option is currently disabled.	<a href="#">What does raid.media_scrub.enable option do?</a>
c12-01	Unowned drives or partitions present	There is an unowned drive and/or partition present in this system.	Best Practice 	There are 14 unowned drives and/or partitions present in this system.	<a href="#">ONTAP 9</a>
c12-01	Cluster config backups are not being pushed remotely	The node is configured as a single node cluster and is not saving configuration backups remotely.	Best Practice 	Single node cluster configurations should save backup configuration files remotely to allow for recovery in the event of a node/root volume failure.	<a href="#">Backing up and restoring cluster configurations</a>
c12-01	Port in an IFGRP is in a lag_inactive state		Pass 		
c12-01	Downrev Seagate drive fw		Pass 		
c12-01	RLM module or Service Processor (SP) is installed but not configured		Pass 		
c12-01	Disk firmware is not on the latest revision		Pass 		

cl2-01	Disk with incorrect ownership in HA configuration		Pass	✓		
cl2-01	AutoSupport on Demand is not enabled		Pass	✓		
cl2-01	Flow Control Settings are incorrect		Pass	✓		
cl2-01	ARS Signature: 2131		Pass	✓		
cl2-01	Controller susceptible to Bug 751463		Pass	✓		
cl2-01	Shelf Modules with out-of-date firmware		Pass	✓		
cl2-01	ARS Signature: 2191		Pass	✓		
cl2-01	Option Cf.takeover.on_panic is configured OFF		Pass	✓		
cl2-01	Shelf firmware version mismatch		Pass	✓		
cl2-01	Flash Cache Modes of Operation not set to default		Pass	✓		
cl2-01	Controller susceptible to Bug 954117		Pass	✓		
cl2-01	All cluster ports on a node are plugged into a single switch		Pass	✓		
cl2-01	Adapter is in an unsupported slot		Pass	✓		
cl2-01	Non root aggregate should always have the HA policy of SFO		Pass	✓		

cl2-01	Hardware Assist is not enabled		Pass	✓		
cl2-01	Node stuck in 'Waiting for cluster applications to come online' state		Pass	✓		
cl2-01	ARS Signature: 2360		Pass	✓		
cl2-01	Controller susceptible to Bug 954117		Pass	✓		
cl2-01	Systems with "raid.min_spare_count" set to 0 will not warn of lack of spares		Pass	✓		
cl2-01	Use of 64-bit aggregates are recommended		Pass	✓		
cl2-01	Controller susceptible to Bug 1024739		Pass	✓		
cl2-01	ARS Signature: 2504		Pass	✓		
cl2-01	Controller susceptible to Bug 1033626		Pass	✓		
cl2-01	Unqualified drives reported with Vendor Code other than "NETAPP"		Pass	✓		
cl2-01	Aggregates is being reported as "parity uninit'd!"		Pass	✓		
cl2-01	Auto giveback is not enabled		Pass	✓		
cl2-01	ARS Signature: 2542		Pass	✓		
cl2-01	ARS Signature: 2575		Pass	✓		



cl2-01	Incorrectly programmed disk ID strings		Pass ✓		
cl2-01	Controller susceptible to Bug 726807		Pass ✓		
cl2-01	Amount of inodes used		Pass ✓		
cl2-01	Double disk reconstruct on same aggregate (double degraded mode)		Pass ✓		
cl2-01	ARS Signature: 2632		Pass ✓		
cl2-01	Controller susceptible to Bug 853138		Pass ✓		
cl2-01	Controller susceptible to Bug 851119		Pass ✓		
cl2-01	Dynamically Qualified drives detected		Pass ✓		
cl2-01	Controller susceptible to Bug 854859		Pass ✓		
cl2-01	ARS Signature: 2656		Pass ✓		
cl2-01	MC-VS Check the 255 maximum LUN limit per HBA		Pass ✓		
cl2-01	Disk drives reporting incorrect firmware version		Pass ✓		
cl2-01	MPHA Single Point of Failure		Pass ✓		
cl2-01	Controller susceptible to Bug 1042484		Pass ✓		












cl2-01	raid.media_scrub.enable option disabled		Pass	✓		
cl2-01	ARS Signature: 2703		Pass	✓		
cl2-01	System has expiring SOFTWARE licenses		Pass	✓		
cl2-01	PAM II/Flash Cache card is installed but not configured		Pass	✓		
cl2-01	Performance ASUP Disabled in Options		Pass	✓		
cl2-01	Insufficient space to save core		Pass	✓		
cl2-01	MC-STOR Hybrid aggregates should have 5 min snapresync time		Pass	✓		
cl2-01	telnet.distinct.enable" is set to OFF		Pass	✓		
cl2-01	Only the node root vol should be in the node root aggr		Pass	✓		
cl2-01	Controller does not boot automatically		Pass	✓		
cl2-01	ACP is not configured or enabled		Pass	✓		
cl2-01	SnapVault Schedule Entries for Non-Existent Volumes		Pass	✓		
cl2-01	MTU on cluster ports should be set to 9000 bytes		Pass	✓		
cl2-01	Storage Failover State takeover impossible		Pass	✓		

cl2-01	Incorrect SAS cabling		Pass	✓		
cl2-01	Disks in prefail condition		Pass	✓		
cl2-01	ARS Signature: 2938		Pass	✓		
cl2-01	Single mode ifgrps are not recommended		Pass	✓		
cl2-01	Enable https for Autosupport transport		Pass	✓		
cl2-01	Controller susceptible to Bug 1074026		Pass	✓		
cl2-01	Controller susceptible to Bug 1094861		Pass	✓		
cl2-01	Bootarg kmip.init.maxwait should not be set to off		Pass	✓		
cl2-01	Controller susceptible to Bug 1073542		Pass	✓		
cl2-01	Controller susceptible to Bug 1074470		Pass	✓		
cl2-01	More than one cluster LIF homed to a port		Pass	✓		
cl2-01	SAS port is functioning in a degraded mode		Pass	✓		
cl2-01	Recommended cluster switch software version		Pass	✓		
cl2-01	Service Processor is not running the latest firmware version		Pass	✓		

cl2-01	The connected shelf is not supported on the platform.		Pass	✓		
cl2-01	DS4486 stack depth exceeded		Pass	✓		
cl2-01	Single Node Cluster Check		Pass	✓		
cl2-01	ARS Signature: 3214		Pass	✓		
cl2-01	Mixed Shelves Configuration		Pass	✓		
cl2-01	Cluster port count check		Pass	✓		
cl2-01	Switchless Cluster Port Capability Check		Pass	✓		
cl2-01	Firmware on ATTO FibreBridge is not supported with the current Ontap version		Pass	✓		
cl2-01	ARS Signature: 3327		Pass	✓		
cl2-01	CVE-2016-2183 TLS Protocol 64-bit Cipher Vulnerability in Multiple NetApp Products		Pass	✓		
cl2-01	FCVI SFP type mismatch		Pass	✓		
cl2-01	ARS Signature: 3532		Pass	✓		
cl2-01	Node Management LIF Gateway Configuration		Pass	✓		
cl2-01	Cluster Node Connect To Cluster Switch: Node Redundant Connection		Pass	✓		

cl2-01	CVE-2012-1667 BIND Vulnerability in Clustered Data ONTAP		Pass	✓		
cl2-01	CVE-2010-3613 BIND Vulnerability in Clustered Data ONTAP		Pass	✓		
cl2-01	AutoSupport POST URL is incorrect		Pass	✓		
cl2-01	SMTP mailbox destination for AutoSupport is not set correctly		Pass	✓		
cl2-01	CVE-2015-4000 Diffie-Hellman Export Cipher Suite vulnerability in Multiple NetApp Products		Pass	✓		
cl2-01	ARS Signature: 3813		Pass	✓		
cl2-01	MPHA cabling for IOM12 shelf		Pass	✓		
cl2-01	Controller susceptible to Bug 1107337		Pass	✓		
cl2-01	Advisory ID: NTAP-20150122-0001		Pass	✓		
cl2-01	Advisory ID : NTAP-20171130-0003		Pass	✓		
cl2-01	Denial of Service Vulnerability in ATTO FibreBridge 7500N		Pass	✓		
cl2-01	Advisory ID: NTAP-20171130-0001		Pass	✓		
cl2-01	Advisory ID:NTAP-20160928-0001		Pass	✓		

cl2-01	Susceptible to Bug 1167060		Pass	✓		
cl2-01	Advisory ID: NTAP-20160504-0001		Pass	✓		
cl2-01	Advisory ID: NTAP-20160303-0001		Pass	✓		
cl2-01	Advisory ID: NTAP-20160201-0001		Pass	✓		
cl2-01	Controller susceptible to Bug 1050210		Pass	✓		
cl2-01	Drive susceptible to Bug 1180248		Pass	✓		
cl2-01	FlexGroup volume constituent is over 90% utilized		Pass	✓		
cl2-01	Toshiba PM5 Model SSD requires a firmware Update		Pass	✓		
cl2-01	Node in unjoined status may lose configuration data		Pass	✓		
cl2-01	ONTAP 9.4 and newer releases do not support IOM3 Modules		Pass	✓		
cl2-01	HCOBE and HCBEP model drives require a Firmware Update		Pass	✓		
cl2-01	CVE-2016-6210 OpenSSH Vulnerability in NetApp Products		Pass	✓		
cl2-01	CVE-2016-10708 OpenSSH Vulnerability in NetApp Products		Pass	✓		

cl2-01	<b>CVE-2018-15473 OpenSSH Username Enumeration Vulnerability in NetApp Products - Service Processor or BMC</b>		Pass			
cl2-01	<b>HDD firmware for X477_HMKPX04TA07</b>		Pass			
cl2-01	<b>Storage failover is disabled</b>		Pass			
cl2-01	<b>Cluster network degraded on switches utilizing 40GbE-4x10GbE breakout cables.</b>		Pass			
cl2-01	<b>Brocade Switch in limited support</b>		Pass			
cl2-01	<b>MetroCluster backend switch firmware in EOVS</b>		Pass			
cl2-01	<b>April 2018 Libxml2 Vulnerabilities in NetApp Products</b>		Pass			
cl2-01	<b>CVE-2018-14404 Libxml2 Vulnerability in NetApp Products</b>		Pass			
cl2-01	<b>July 2019 Libxslt Vulnerabilities in NetApp Products</b>		Pass			
cl2-01	<b>CVE-2019-5506 Hostname Verification Vulnerability in Clustered Data ONTAP 9.0 and higher</b>		Pass			
cl2-01	<b>CVE-2019-5508 L2ping Denial of Service Vulnerability in Clustered Data ONTAP 9.2 and higher</b>		Pass			

cl2-01	MC-Switch must not have a . in the name		Pass	✓		
cl2-01	CVE-2019-8460 OpenBSD Vulnerability in NetApp Products		Pass	✓		
cl2-01	CVE-2019-0220 Apache HTTP Server Vulnerability in NetApp Products		Pass	✓		
cl2-01	September 2019 Apache HTTP Server Vulnerabilities in NetApp Products		Pass	✓		
cl2-01	CVE-2019-18197 Libxslt Vulnerability in NetApp Products		Pass	✓		
cl2-01	CVE-2019-19956 Libxml2 Vulnerability in NetApp Products		Pass	✓		
cl2-01	Amount of inodes used is 95% or greater		Pass	✓		
cl2-01	SAS Cabling - IOM12 and IOM6 heterogeneous stacks		Pass	✓		
cl2-01	Critical - New FAS/AFF Drive firmware Risk		Pass	✓		
cl2-01	Node with Improper Boot Variables Set May Lose Configuration Data		Pass	✓		
cl2-01	September 2019 OpenSSL Vulnerabilities in NetApp Products		Pass	✓		
cl2-01	NVMe Flash Cache might go offline due to downrev firmware		Pass	✓		
cl2-01	Denial of Service Vulnerability in ATTO FibreBridge 7500N.		Pass	✓		



cl2-01	CVE-2020-8231 cURL/libcURL Vulnerability in NetApp Products		Pass ✓		
cl2-01	Firmware upgrade on IOM12E can cause IO delays of up to 45 seconds		Pass ✓		
cl2-01	BIOS updates for memory reliability and the PPR feature		Pass ✓		
cl2-01	SSDs require Firmware Update - SLNGE		Pass ✓		
cl2-01	CVE-2021-26994 Denial of Service Vulnerability in Clustered Data ONTAP		Pass ✓		
cl2-01	CVE-2021-27005 Denial of Service Vulnerability in Clustered Data ONTAP		Pass ✓		
cl2-01	CVE-2021-3712 August 2021 OpenSSL Vulnerabilities in NetApp Products		Pass ✓		
cl2-01	September 2021 Apache HTTP Server Vulnerabilities in NetApp Products		Pass ✓		
cl2-01	FAS/AFF SEVNE1xxTA07 firmware to contain EMI radiated emissions		Pass ✓		
cl2	Vserver has a single DNS server configured		Pass ✓		
cl2	ARS Signature: 2197		Pass ✓		
cl2	Cluster Interconnect LIF is not on home port		Pass ✓		
cl2	Port in an IFGRP is in a broken state		Pass ✓		

cl2	Vserver has single NIS server configured		Pass ✓		
cl2	Failover groups should be created		Pass ✓		
cl2	This storage appliance has one or more expired digital certificates		Pass ✓		
cl2	Controller has only one Cluster LIF		Pass ✓		
cl2	Advisory ID: NTAP-20171215-0001		Pass ✓		
cl2	Cluster config backups are not being pushed remotely		Pass ✓		
cl2	Advisory ID: NTAP-20150205-0001		Pass ✓		
cl2	Advisory ID: NTAP-20171130-0001		Pass ✓		
cl2	ARS Signature: 3338		Pass ✓		
cl2	Advisory ID: NTAP-20170323-0001		Pass ✓		
cl2	ARS Signature: 3344		Pass ✓		
cl2	Advisory ID: NTAP-20170831-0002		Pass ✓		
cl2	Advisory ID: NTAP-20170228-0002		Pass ✓		
cl2	ARS Signature: 3369		Pass ✓		

cl2	ARS Signature: 3370		Pass ✓		
cl2	Advisory ID: NTAP-20160310-0003		Pass ✓		
cl2	Advisory ID: NTAP-20160310-0002		Pass ✓		
cl2	Advisory ID: NTAP-20160830-0002		Pass ✓		
cl2	Advisory ID: NTAP-20160830-0001		Pass ✓		
cl2	Advisory ID: NTAP-20160802-0001		Pass ✓		
cl2	Advisory ID : NTAP-20170831-0003.		Pass ✓		
cl2	CVE-2016-2776 ISC BIND Vulnerability in Multiple NetApp Products		Pass ✓		
cl2	Advisory ID: NTAP-20160928-0001		Pass ✓		
cl2	June 2017 Apache HTTP Server Vulnerabilities in NetApp Products		Pass ✓		
cl2	Advisory ID: NTAP-20180112-0001		Pass ✓		
cl2	Advisory ID: NTAP-20180109-0001		Pass ✓		
cl2	October 2015 Network Time Protocol Daemon (ntpd) Vulnerabilities in Multiple NetApp Products		Pass ✓		

cl2	May 2016 OpenSSH Vulnerabilities in Multiple NetApp Products		Pass ✓		
cl2	DNS configuration check		Pass ✓		
cl2	NTAP-20160301-0001.		Pass ✓		
cl2	NTAP-20160201-0001.		Pass ✓		
cl2	Advisory ID: NTAP-20160126-0001		Pass ✓		
cl2	CVE-2015-5477 ISC BIND Vulnerability in Clustered Data ONTAP		Pass ✓		
cl2	December 2015 OpenSSL Vulnerabilities in Multiple NetApp Products		Pass ✓		
cl2	CVE-2015-5600 OpenSSH MaxAuthTries Bypass Vulnerability in NetApp Products		Pass ✓		
cl2	CVE-2003-1418 Apache ETag Inode Disclosure Vulnerability in Clustered Data ONTAP		Pass ✓		
cl2	CVE-2014-4877 GNU Wget Vulnerability in Multiple NetApp Products		Pass ✓		
cl2	CVE-2003-0028 XDR Libraries Integer Overflow Vulnerability in Data ONTAP		Pass ✓		
cl2	August 2014 OpenSSL CVE Bundle Security Vulnerabilities in Multiple NetApp Products		Pass ✓		

cl2	October 2014 OpenSSL Vulnerabilities in Multiple NetApp Products		Pass ✓		
cl2	Bash Code Injection Vulnerability in Select NetApp Products		Pass ✓		
cl2	No Gateway configured for Cluster management LIF		Pass ✓		
cl2	Advisory ID: NTAP-20170310-0002		Pass ✓		
cl2	Advisory ID: NTAP-20170127-0001		Pass ✓		
cl2	May 2016 OpenSSL Vulnerabilities in Multiple NetApp Products		Pass ✓		
cl2	CVE-2016-2842 OpenSSL Vulnerability in Multiple NetApp Products		Pass ✓		
cl2	March 2016 OpenSSL Vulnerabilities in Multiple NetApp Products		Pass ✓		
cl2	June 2015 OpenSSL Vulnerabilities in NetApp Products		Pass ✓		
cl2	March 2015 OpenSSL Vulnerabilities in Multiple NetApp Products		Pass ✓		
cl2	One or more lifs are not home		Pass ✓		
cl2	Advisory ID: NTAP-20171208-0001		Pass ✓		
cl2	Advisory ID: NTAP-20171130-0002		Pass ✓		

cl2	Advisory ID:NTAP-20160322-0002.		Pass ✓		
cl2	Advisory ID:NTAP-20160322-0001.		Pass ✓		
cl2	Advisory ID:NTAP-20160310-0004.		Pass ✓		
cl2	CVE-2018-5497 Sensitive Information Disclosure Vulnerability in Clustered Data ONTAP 9.x		Pass ✓		
cl2	CVE-2018-5498 Denial of Service Vulnerability in Clustered Data ONTAP 9.0 and higher		Pass ✓		
cl2	CVE-2016-6210 OpenSSH Vulnerability in NetApp Products		Pass ✓		
cl2	February 2019 curl/libcurl Vulnerabilities in NetApp Products		Pass ✓		
cl2	Advisory ID: NTAP-20190503-0001		Pass ✓		
cl2	PHP Vulnerability in NetApp Products		Pass ✓		
cl2	CVE-2018-6922 FreeBSD Denial of Service (DoS) Vulnerability in NetApp Products		Pass ✓		
cl2	December 2016 Apache HTTP Server Vulnerabilities in Multiple NetApp Products		Pass ✓		
cl2	CVE-2007-6750 Apache HTTP Server Vulnerability in NetApp Products		Pass ✓		

cl2	<b>CVE-2015-6563 OpenSSH Vulnerability in NetApp Products</b>		Pass ✓		
cl2	<b>March 2018 Apache HTTP Server Vulnerabilities in NetApp Products</b>		Pass ✓		
cl2	<b>System exposed to bug 1260987</b>		Pass ✓		
cl2	<b>CVE-2016-10708 OpenSSH Vulnerability in NetApp Products</b>		Pass ✓		
cl2	<b>CVE-2019-1559 OpenSSL Vulnerability</b>		Pass ✓		
cl2	<b>CVE-2019-6260 ASPEED BMC Vulnerability</b>		Pass ✓		
cl2	<b>CVE-2019-5500 Denial of Service (DoS) Vulnerability</b>		Pass ✓		
cl2	<b>CN1610 FastPath OS is in Limited Support</b>		Pass ✓		
cl2	<b>September 2019 FreeBSD Vulnerabilities in NetApp Products</b>		Pass ✓		
cl2	<b>CVE-2018-15473 OpenSSH Username Enumeration Vulnerability in NetApp Products - Clustered Data ONTAP</b>		Pass ✓		
cl2	<b>CVE-2017-5703 Intel SPI Flash Denial of Service Vulnerability in NetApp Products</b>		Pass ✓		