

Cisco DNA Center AURA Results - v1.6.4

The Cisco DNA Center AURA (Audit & Upgrade Readiness) tool performs a variety of health, scale & upgrade readiness checks across the Cisco DNA Center and the rest of the Fabric network without affecting any of the devices. This report is auto generated by the script and documents all the checks and logs performed by the script.

Thank you for running it, please reach out to dnac_sda_audit_tool@cisco.com for any feedback.

A total of 158 checks were executed on the setup, found 15 errors and 15 warnings. Please evaluate the Warnings & Errors, ensure the Errors are eliminated prior to proceeding with an upgrade.

Summary of the Results

Cisco DNA Center Device Details:

Model	Serial Number	Software Version	Node IP Address
DN2-HW-APL-L	WMP243800H0	1.3.3.0	10.36.31.65

Script Execution Time:

Start Time	End Time
2022-05-08_20:59:09	2022-05-08_21:06:10

Cisco DNA Center Infra Health Results:

Checks Executed	Errors Found	Warnings Found
90	11	10

Cisco DNA Center & Device Assurance Results:

Checks Executed	Errors Found	Warnings Found
10	0	0

Cisco DNA Center & Device Upgrade Readiness Results:

Checks Executed	Errors Found	Warnings Found
35	4	5

Cisco DNA Center SD-Access Health Results:

Checks Executed	Errors Found	Warnings Found
5	0	0

Cisco DNA Center Scale Limit Check Results:

Checks Executed	Errors Found	Warnings Found
18	0	0

AURA Errors Summary

The following table includes the various errors identified by AURA. Click on the error number to view the error in the detailed section.

Cisco DNA Center Infra Health Results:

Checks Executed	Errors Found	Warnings Found
90	11	10

Error	Check Title & Error Details
#IN01	Check: #45:NTP Server Time Sync Error:#IN01:Discrepancy observed in Reach value. 0/8 reachability polls to NTP Server were completed successfully during startup(Expected Reach Value of '377' if all 8 polls were successful) Curre...
#IN02	Check: #45:NTP Server Time Sync Error:#IN02:Discrepancy observed in Reach value. 0/8 reachability polls to NTP Server were completed successfully during startup(Expected Reach Value of '377' if all 8 polls were successful) Curre...
#IN03	Check: #45:NTP Server Time Sync Error:#IN03:Discrepancy observed in Reach value. 0/8 reachability polls to NTP Server were completed successfully during startup(Expected Reach Value of '377' if all 8 polls were successful) Curre...
#IN04	Check: #45:NTP Server Time Sync Error:#IN04:Discrepancy observed in Reach value. 0/8 reachability polls to NTP Server were completed successfully during startup(Expected Reach Value of '377' if all 8 polls were successful) Curre...
#IN05	Check: #45:NTP Server Time Sync Error:#IN05:Discrepancy observed in Reach value. 0/8 reachability polls to NTP Server were completed successfully during startup(Expected Reach Value of '377' if all 8 polls were successful) Curre...
#IN06	Check: #52:Check Services for High Restart Counts Error:#IN06:Following Services have a high restart count (> 20 and last restarted <= 7 days) --- Please check the service status and logs for each to troubleshoot further --- kube-apiserver-10.36...
#IN07	Check: #58:GBAC Migration/Sync Status Error:#IN07:Internal AURA exception (please email dnac_sda_audit_tool@cisco.com):<type 'exceptions.ValueError':Cannot run database command. DB is not responding
#IN08	Check: #75:InfluxDB Memory Utilization Error:#IN08:InfluxDB Memory Utilization check failed while executing command: ERROR: No matches found ERROR: No matches found
#IN09	Check: #77:Cassandra status Error:#IN09:Cassandra status check failed while executing command: Traceback (most recent call last): File "/usr/local/bin/magctl", line 11, in <module> sys.exit(cli()) File "/opt/maglev/loca...

#IN10	Check: #88:Backup History Error:#IN10:No Backup history exists on this setup. Please take a new backup.
#IN11	Check: #90:Critical Vulnerabilities in Apache Log4j - CVE-2021-44228 & CVE-2021- Error:#IN11:This DNA Center is affected by the Critical Apache Log4j Vulnerabilities - CVE-2021-44228 & CVE-2021-45046. Check out http://cs.co/9005KGMpJ for more details.

Cisco DNA Center & Device Upgrade Readiness Results:

Checks Executed	Errors Found	Warnings Found
35	4	5

Error	Check Title & Error Details
#UR01	Check: #04:Maglev Catalog Settings Error:#UR01:Error while validating maglev catalog settings: metadata: certificate: status: ERROR statusMsg: No connectivity to parent catalog connectivity: - server: https://www.cisco...
#UR02	Check: #13:Expiry of registry CA cert Error:#UR02:Registry CA not found - check CSCvy55791 - file /etc/docker/certs.d/maglev-registry.maglev-system.svc.cluster.local\5000/registry-ca .crt
#UR03	Check: #23:Download test image from the Cisco DNA Center Cloud Image Repository Error:#UR03:Unable to download a small test image of size 50MB from DNAC cloud repository
#UR04	Check: #23:Download test image from the Cisco DNA Center Cloud Image Repository Error:#UR04:Unable to download a medium test image of size 150MB from DNAC cloud repository

Cisco DNA Center Infrastructure Detailed Results

#01:Checking:Latest version of AURA

```
INFO:AURA is up to date
INFO:Performing login... [please provide UI admin level password]
```

#02:Checking:Determine Cisco DNA Center Product Type, Serial number, SW Version & Node IP

```
INFO:Cisco DNAC VERSION : 1.3.3.0
INFO:NODE IP : 10.36.31.65
INFO:Cisco DNA Center device type is DN2-HW-APL-L
INFO:Cisco DNA Center Serial Number is      WMP243800H0
```

#03:Checking:Determine Cisco DNA Center memberid

```
INFO:memberID is 625b00165a22ea2930f44065
```

#04:Checking:CPU Load Average

```
INFO: 20:59:51 up 3:40, 2 users, load average: 5.14, 5.83, 6.50
INFO:CPU Load Averages looks OK
```

#05:Checking:Disk Layout

```
INFO:Disk Layout looks OK.
sda      8:0    1  59.5G  0 disk
sdb      8:16   0 446.1G  0 disk
sdc      8:32   0   1.8T  0 disk
sdd      8:48   0   5.2T  0 disk
```

#06:Checking:Disk Partition Mounts

```
INFO:Disk Partitions Mounts look OK
```

#07:Checking:Disk Space and iNodes Utilization

```
INFO:Disk Space Utilization looks OK
INFO:iNodes Utilization looks OK
INFO:
Current Status for DiskSpace and iNodes Utilization:
Mounted on          Avail Use% IFree IUse% Filesystem
```

```

/dev                189G   0%   48M   1% udev
/run                38G   1%   48M   1% tmpfs
/                  21G  53%  2.9M   5% /dev/sdb2
/dev/shm           189G   0%   48M   1% tmpfs
/run/lock          5.0M   0%   48M   1% tmpfs
/sys/fs/cgroup     189G   0%   48M   1% tmpfs
/boot/efi          239M   0%    0    - /dev/sdb3
/data              295G  19%   24M   6% /dev/sdb5
/var               7.2G  18%  604K   2% /dev/sdb4
/data/maglev/srv/fusion 391G   2%   27M   1% /dev/sdc1
/data/maglev/srv/maglev-system 1.2T   6%   85M   1% /dev/sdc2
/data/maglev/srv/ndp 5.0T   1%  168M   1% /dev/sdd1
/run/user/1234     38G   0%   48M   1% tmpfs

```

#08:Checking:if Glusterfs is mounted

INFO:Glusterfs is mounted

Filesystem	Size	Used	Avail	Use%	Mounted on
glusterfs-server.maglev-system.svc.cluster.local:/default_vol	1.4T	84G	1.2T	7%	/mnt/glusterfs/default_vol

INFO:Diskspace Utilization on Glusterfs mount looks OK

#09:Checking:For non responsive NFS mounts

INFO:No unresponsive NFS mounts found

#10:Checking:for NFS stale file handle

INFO:No Stale File Handle present. 'df -h' has been logged.

#11:Checking:Disk I/O throughput

INFO:Partition:/data/maglev/srv/maglev-system I/O of 405 MB/s (>200MB)is OK

INFO:Partition:/data/maglev/srv/ndp I/O of 854 MB/s (>200MB)is OK

INFO:Partition:/data/maglev/srv/fusion I/O of 401 MB/s (>200MB)is OK

INFO:Partition:/data/tmp I/O of 375 MB/s (>100MB)is OK

INFO:Partition:/tmp I/O of 366 MB/s (>100MB)is OK

#12:Checking:DRAM Total Available Memory

INFO:

total	used	free	shared	buff/cache	available
-------	------	------	--------	------------	-----------

Mem: 376G 196G 137G 450M 42G 174G
Swap: 0B 0B 0B

INFO:The total DRAM memory in the 'free -h' command is 376G which is expected

#13:Checking:DRAMs Installed in the appliance

INFO:

DIMM	Size	Speed	Configured Clock Speed
DIMM_A1	32	2933 MT/s	2934 MT/s
DIMM_B1	32	2933 MT/s	2934 MT/s
DIMM_C1	32	2933 MT/s	2934 MT/s
DIMM_D1	32	2933 MT/s	2934 MT/s
DIMM_E1	32	2933 MT/s	2934 MT/s
DIMM_F1	32	2933 MT/s	2934 MT/s
DIMM_G1	32	2933 MT/s	2934 MT/s
DIMM_H1	32	2933 MT/s	2934 MT/s
DIMM_J1	32	2933 MT/s	2934 MT/s
DIMM_K1	32	2933 MT/s	2934 MT/s
DIMM_L1	32	2933 MT/s	2934 MT/s
DIMM_M1	32	2933 MT/s	2934 MT/s

INFO:The total DRAM installed in the system is 384GB which is expected

#14:Checking:Processor Cores Enabled and Status

INFO:

Socket	Status	Core Count	Core Enabled	Version
CPU1	Populated, Enabled	28	28	Intel(R) Xeon(R) Platinum 8280 CPU @ 2.70G Hz
CPU2	Populated, Enabled	28	28	Intel(R) Xeon(R) Platinum 8280 CPU @ 2.70G Hz

INFO:The status of all processors is 'Populated, Enabled' which is expected

INFO:2 processors are available with 56 cores which is expected for this appliance

#15:Checking:Checking SWAP

INFO:Skipping as not relevant for this version.

#16:Checking:Logcleaner Cronjob and Symlink

INFO:Skipping as not relevant for this version.

#17:Checking:Docke Status

INFO: Active: active (running) since Sun 2022-05-08 17:22:03 UTC; 3h 38min ago
INFO:Docke Status looks ok

#18:Checking:Docke Proxy settings

INFO:Proxy server doesn't exist, hence skipping this check

#19:Checking:Shell Environment Variables

INFO:Shell Environment Variables output looks OK. No Proxy config found

#20:Checking:Kubelet Status

INFO: Active: active (running) since Sun 2022-05-08 17:22:03 UTC; 3h 38min ago
INFO:Kubelet Status looks ok

#21:Checking:Syslog for PLEG Errors

INFO:No PLEG Errors found in Syslog

#22:Checking:Version of Cisco DNA Center this was built from

INFO:{'build_date': 'Fri Dec 20 17:26:15 UTC 2019', 'iso_type': 'full-iso', 'image_version': '1.3.0.115', 'hash': '01ecc7b', 'iso_version': '1.3.0.115.98'}
INFO:Build version of Cisco DNA Center was 1.3.1.5 on Fri Dec 20 17:26:15 UTC 2019
INFO:Check completed successfully

#23:Checking:Update history [this is approximate due to lack of complete data]

INFO:No update history found

#24:Checking:hooks applied

#25:Checking:Cluster Node Reachability - nodes : [u'10.36.31.65']

INFO:Node Reachability Looks OK
INFO:node-10.36.31.65|management(cluster):10.36.31.65

#26:Checking:Interface Reachability - all nodes : [u'10.36.31.65']

INFO:Interface Reachability Looks OK

#27:Checking:VIP Reachability - VIPs : []

INFO:VIP Reachability Looks OK

#28:Checking:Cluster Subnet Overlap with Internal Addresses

INFO:IP 10.36.31.65 does not overlap with subnet

#29:Checking:Number of DNS servers configured in etcd on nodes

INFO:DNS server count on node-10.36.31.65 (1) OK

INFO:DNS:management-[u'10.36.31.32']

#30:Checking:Number of /etc/resolv.conf entries (<=4)

INFO:/etc/resolv.conf entries 1 OK

#31:Checking:DNS config - /etc/network/interfaces

INFO:found 1 DNS server for interface eno1: 10.36.31.32

#32:Checking:DNS Reachability - DNS : [u'10.36.31.32']

INFO:DNS Reachability Looks OK

#33:Checking:DNS server can resolve www.ciscoconnectdna.com

INFO:DNS server 10.36.31.32 can resolve OK

#34:Checking:Getting NTP config

INFO:Found ntp servers:145.238.203.14

#35:Checking:NTP server Sync : [u'145.238.203.14']

INFO:Can Sync with time server: 145.238.203.14

INFO:NTP Server check Looks OK

#36:Checking:Cluster hostname is defined

Warning:Cluster hostname is not defined. May cause issues with CA certs in DNAC 2.x

#37:Checking:Default TimeZone setting on DNAC

INFO:DNAC Timezone is OK - UTC

#38:Checking:interfaces for errors

Warning:Interface cluster has multicast:6627. Total = 7 (94671.428571%)

Warning:Interface cluster has rx_dropped:62. Total = 6628 (0.935425%)

Warning:Interface eno1 has multicast:50064. Total = 188453 (26.565775%)

Warning:Interface eno1 has rx_nohandler:6. Total = 460326 (0.001303%)

Warning:Interface enp94s0f1 has multicast:6627. Total = 7 (94671.428571%)

Warning:Interface management has multicast:50064. Total = 188456 (26.565352%)

Warning:Interface management has rx_dropped:59. Total = 460321 (0.012817%)

Warning:Interface management has rx_nohandler:6. Total = 460321 (0.001303%)

Warning:Interface management has tx_dropped:9. Total = 188457 (0.004776%)

#39:Checking:DCBX upstream causing tx drops

INFO:DCBX test passed

#40:Checking:VIP Toggle between nodes

INFO:Skipping as not relevant for this version.

#41:Checking:check kernel logs for errors

INFO:kernel error log test passed

#42:Checking:Certificate Validity and Expiry

INFO:Verified that Certificate is valid for 1 year or more from start date

INFO:Certificate Validity Check looks OK. It is valid for 342 more days

INFO:Certificate SAN entries: DNS:localhost, DNS:kong, DNS:kong.maglev-system, DNS:kong.maglev-system.svc, DNS:kong.maglev-system.svc.cluster, DNS:kong.maglev-system.svc.cluster.local, DNS:kong-frontend, DNS:kong-frontend.maglev-system, DNS:kong-frontend.maglev-system.svc, DNS:kong-frontend.maglev-system.svc.cluster, DNS:kong-frontend.maglev-system.svc.cluster.local, IP Address:10.36.31.65

#43:Checking:Expiry of truststore certificates

#44:Checking:NTP Service status on the Cisco DNA Center

INFO: Active: active (running) since Sun 2022-05-08 17:19:24 UTC; 3h 40min ago

INFO:NTP Service is running fine on this node

#45:Checking:NTP Server Time Sync

INFO: remote refid st t when poll reach delay offset jitter

```
=====
```

remote	refid	st	t	when poll	reach	delay	offset	jitter
0.ubuntu.pool.n .POOL.	16 p	-	64	0	0.000	0.000	0.000	

1.ubuntu.pool.n	.POOL.	16	p	-	64	0	0.000	0.000	0.000
2.ubuntu.pool.n	.POOL.	16	p	-	64	0	0.000	0.000	0.000
3.ubuntu.pool.n	.POOL.	16	p	-	64	0	0.000	0.000	0.000
ntp.ubuntu.com	.POOL.	16	p	-	64	0	0.000	0.000	0.000
*217.180.209.214	.GPS.	1	u	199	512	377	63.591	3.087	1.650
+171.66.97.126	171.64.7.67	2	u	520	512	377	6.533	-0.834	0.364
-198.144.194.12	131.243.64.11	2	u	519	512	377	12.419	4.657	0.900
+104.131.155.175	91.82.186.52	2	u	182	512	377	7.194	0.733	0.535
-50.205.57.38	.GPS.	1	u	115	512	377	76.432	-0.675	0.460

INFO:Validating NTP Server Time Sync for Peer : 0.ubuntu.pool.n

Error:#IN01:Discrepancy observed in Reach value.

0/8 reachability polls to NTP Server were completed successfully during startup(Expected Reach Value of '377' if all 8 polls were successful)

Current Reach Value: 0

INFO:Validating NTP Server Time Sync for Peer : 1.ubuntu.pool.n

Error:#IN02:Discrepancy observed in Reach value.

0/8 reachability polls to NTP Server were completed successfully during startup(Expected Reach Value of '377' if all 8 polls were successful)

Current Reach Value: 0

INFO:Validating NTP Server Time Sync for Peer : 2.ubuntu.pool.n

Error:#IN03:Discrepancy observed in Reach value.

0/8 reachability polls to NTP Server were completed successfully during startup(Expected Reach Value of '377' if all 8 polls were successful)

Current Reach Value: 0

INFO:Validating NTP Server Time Sync for Peer : 3.ubuntu.pool.n

Error:#IN04:Discrepancy observed in Reach value.

0/8 reachability polls to NTP Server were completed successfully during startup(Expected Reach Value of '377' if all 8 polls were successful)

Current Reach Value: 0

INFO:Validating NTP Server Time Sync for Peer : ntp.ubuntu.com

Error:#IN05:Discrepancy observed in Reach value.

0/8 reachability polls to NTP Server were completed successfully during startup(Expected Reach Value of '377' if all 8 polls were successful)

Current Reach Value: 0

INFO:Validating NTP Server Time Sync for Peer : *217.180.209.214

```

INFO:NTP Server Time Sync looks OK for peer : *217.180.209.214
INFO:Validating NTP Server Time Sync for Peer : +171.66.97.126
INFO:NTP Server Time Sync looks OK for peer : +171.66.97.126
INFO:Validating NTP Server Time Sync for Peer : -198.144.194.12
INFO:NTP Server Time Sync looks OK for peer : -198.144.194.12
INFO:Validating NTP Server Time Sync for Peer : +104.131.155.175
INFO:NTP Server Time Sync looks OK for peer : +104.131.155.175
INFO:Validating NTP Server Time Sync for Peer : -50.205.57.38
INFO:NTP Server Time Sync looks OK for peer : -50.205.57.38

```

#46:Checking:Status of PMTU discovery

```
INFO:Status =0, PMTU discovery enabled
```

#47:Checking:Node Display

```

INFO:NAME           STATUS   ROLES    AGE         VERSION   LABELS
10.36.31.65   Ready    master   22d        v1.11.5   allAppstacks=enabled,appstack.assurance-ba
ckend=enabled,appstack.dnac-search=enabled,appstack.dnacaap=enabled,appstack.fusion=enabled,apps
tack.maglev-system=enabled,appstack.ndp=enabled,beta.kubernetes.io/arch=amd64,beta.kubernetes.io
/os=linux,compute=allowed,data=allowed,dna_role=DNA,kubernetes.io/hostname=10.36.31.65,machine_p
rofile=t2_large,node-role.kubernetes.io/master=,nodename=node-0,roles=master,web=allowed
INFO:Node Display looks OK

```

#48:Checking:Node Status

```

INFO:Checking Condition OutOfDisk
INFO:  OutOfDisk           False   Sun, 08 May 2022 20:59:32 +0000   Sat, 16 Apr 2022 17:19:36 +00
00  KubeletHasSufficientDisk   kubelet has sufficient disk space available
INFO:Status of Condition 'OutOfDisk' looks OK for all Nodes
INFO:Checking Condition MemoryPressure
INFO:  MemoryPressure      False   Sun, 08 May 2022 21:00:32 +0000   Sat, 16 Apr 2022 17:19:36 +00
00  KubeletHasSufficientMemory  kubelet has sufficient memory available
INFO:Status of Condition 'MemoryPressure' looks OK for all Nodes
INFO:Checking Condition DiskPressure
INFO:  DiskPressure        False   Sun, 08 May 2022 21:00:32 +0000   Sat, 16 Apr 2022 17:19:36 +00
00  KubeletHasNoDiskPressure    kubelet has no disk pressure
INFO:Status of Condition 'DiskPressure' looks OK for all Nodes
INFO:Checking Condition PIDPressure
INFO:  PIDPressure         False   Sun, 08 May 2022 21:00:32 +0000   Sat, 16 Apr 2022 17:19:36 +00
00  KubeletHasSufficientPID     kubelet has sufficient PID available

```

```

INFO:Status of Condition 'PIDPressure' looks OK for all Nodes
INFO:Checking Condition Ready
INFO: Ready          True    Sun, 08 May 2022 21:00:32 +0000    Sun, 08 May 2022 17:54:54 +00
00  KubeletReady          kubelet is posting ready status
INFO:Status of Condition 'Ready' looks OK for all Nodes
INFO:Checking Condition Taints
INFO:Taints:          <none>
INFO:Status of Condition 'Taints' looks OK for all Nodes

```

#49:Checking:Node Diagnosis Report

```

INFO:
Running node diagnostics...
Diagnostics completed successfully.
INFO:DIAGNOSTICS REPORT(Please refer logs for a comprehensive status):

```

```

Running node diagnostics...
+-----+-----+
| Diagnostic Check | Result |
+-----+-----+
| DNS              | OK     |
+-----+-----+
| Etcd             | OK     |
+-----+-----+
| Nodes           | +-----+-----+ | | | |
|                 | | Node      | Result      | |
|                 | +-----+-----+ |
|                 | | 10.36.31.65 | [*] OutOfDiskCheck | |
|                 | |              | [*] MemoryPressureCheck | |
|                 | |              | [*] DiskPressureCheck  | |
|                 | |              | [*] PIDPressureCheck   | |
|                 | |              | [*] ReadyCheck         | |
|                 | +-----+-----+ |
+-----+-----+

```

#50:Checking:Appstack Status

```

INFO:Services look OK

```

#51:Checking:Endpoint Status

```

INFO:Endpoints look OK

```

#52:Checking:Check Services for High Restart Counts

Error:#IN06:Following Services have a high restart count (> 20 and last restarted <= 7 days)

--- Please check the service status and logs for each to troubleshoot further ---

kube-apiserver-10.36.31.65 (Container : kube-apiserver) ==> 44 RESTART(S) ==> Last restarted on 2022-05-08 17:51:16 [3 hour(s) ago]

#53:Checking:remedyctl is running

INFO:remedyctl last ran 1 seconds ago

#54:Checking:State of ISE states in DB

INFO:No entries found in IdentitySource table for ISE

#55:Checking:External authentication configured for DNAC users

INFO:No external user Auth found for DNAC

#56:Checking:External authentication fallback configuration

INFO:Check skipped for version 1.x

#57:Checking:Checking Count of Scalable Groups, Contracts and Access Policies in DNAC DB

INFO:Count of Scalable Groups : 0

INFO:Count of Access Contracts : 0

INFO:Count of Group Based Access Policies : 0

#58:Checking:GBAC Migration/Sync Status

Error:#IN07:Internal AURA exception (please email dnac_sda_audit_tool@cisco.com):<type 'exceptions.ValueError'>:Cannot run database command. DB is not responding

#59:Checking:Glusterfs Instances

INFO:glusterfs-brick-0	2/2	Running	2	3h	10.0.4.110
10.36.31.65	<none>				

INFO:Glusterfs Instances looks OK

#60:Checking:Glusterfs NODE_NAME check

INFO:Glusterfs NODE_NAME check OK for all instances

#61:Checking:Glusterfs Clustering

INFO:Glusterfs volume is not a replication volume

INFO:Glusterfs Clustering looks OK

#62:Checking:ETCD Cluster Health

INFO:member 9ef892eebb6dd62e is healthy: got healthy result from http://10.36.31.65:2379

cluster is healthy

INFO:ETCD Cluster Health looks OK

#63:Checking:ETCD Storage Size

INFO:9ef892eebb6dd62e: name=etcd-10.36.31.65 peerURLs=http://10.36.31.65:2380 clientURLs=http://10.36.31.65:2379 isLeader=true

```
INFO:-----+-----+-----+-----+-----+-----+-----+
-----+
|          ENDPOINT          |          ID          | VERSION | DB SIZE | IS LEADER | RAFT TERM | RAFT
INDEX |
+-----+-----+-----+-----+-----+-----+-----+
-----+
| http://10.36.31.65:2379 | 9ef892eebb6dd62e | 3.1.12 | 36 MB | true | 13 | 70
89359 |
+-----+-----+-----+-----+-----+-----+-----+
-----+
```

INFO:ETCD DB Sizes look OK

#64:Checking:ETCD memory utilization

INFO:ETCD Memory Utilization : 1.99%

INFO:ETCD Memory Utilzation looks OK

#65:Checking:ETCD binding to loopback(localhost/127.0.0.1

INFO:

OUTPUT of /etc/resolv.conf:

```
# This file is managed by man:systemd-resolved(8). Do not edit.
#
# This is a dynamic resolv.conf file for connecting local clients directly to
# all known uplink DNS servers. This file lists all configured search domains.
#
# Third party programs must not access this file directly, but only through the
```

```
# symlink at /etc/resolv.conf. To manage man:resolv.conf(5) in a different way,  
# replace this symlink by a static file or a different symlink.  
#  
# See man:systemd-resolved.service(8) for details about the supported modes of  
# operation for /etc/resolv.conf.  
  
nameserver 192.168.0.10  
search default.svc.cluster.local maglev-system.svc.cluster.local svc.cluster.local cluster.local  
local
```

OUTPUT of /etc/hosts:

```
127.0.0.1 localhost  
127.0.1.1 maglev-master-10-36-31-65  
  
# The following lines are desirable for IPv6 capable hosts  
::1 ip6-localhost ip6-loopback  
fe00::0 ip6-localnet  
ff00::0 ip6-mcastprefix  
ff02::1 ip6-allnodes  
ff02::2 ip6-allrouters  
ff02::3 ip6-allhosts
```

INFO:ETCD binding looks OK.

```
Server: 192.168.0.10  
Address: 192.168.0.10#53
```

```
Name: localhost  
Address: 127.0.0.1  
Name: localhost  
Address: ::1
```

#66:Checking:Postgres Cluster Status

```
INFO:INFO: connecting to database
```

```

Role      | Name                               | Upstream | Connection String
-----+-----+-----+-----
* master  | postgres-0.postgres.fusion.svc.cluster.local |          | user=replicauser password=
wbiaulVf host=postgres-0.postgres.fusion.svc.cluster.local dbname=replica_db port=5433 connect_t
imeout=10

INFO:Postgres Cluster Status Looks OK

```

#67:Checking:Postgres size

```

INFO: 762 MB

INFO:Postgres Size looks OK

INFO:Top 10 largest DB Tables :

```

schemaname	table_name	row_count	size_without_index	size_with_index
public	threadmanagermonitor	8524	221 MB	354 MB
public	devicelicenselogs	1117	12 MB	16 MB
public	telemetry_dataupload_statuses	9	6096 kB	8808 kB
public	grt	0	5200 kB	12 MB
public	tb_v1_task	86	4448 kB	9000 kB
public	protocolendpoint	0	2664 kB	18 MB
public	tasknode	0	1120 kB	1920 kB
public	grt_alternate_keys	0	1080 kB	2864 kB
public	networkidentity	0	1080 kB	3880 kB
public	executionevent	0	1024 kB	1528 kB

(10 rows)

#68:Checking:MongoDB Cluster Health and Sync Status

```

INFO:  "name" : "mongodb-0.mongodb.maglev-system.svc.cluster.local:27017",
"health" : 1,
"stateStr" : "PRIMARY",

INFO:

MongoDB Cluster Health Looks OK

```


#69:Checking:Checking MongoDB for Stale Connections from collector-manager

INFO:NDP DB Size : 5.56 MB
INFO:Collector Agent ConfigInstance Count : 54
INFO:Collector Manager ConfigInstance Count : 54

#70:Checking:Checking MongoDB CPU in docker stats

INFO:CPU for MongoDB ranges between 1.06% - 1.46%

#71:Checking:Checking if MongoDB is locked

INFO:MongoDB is NOT locked.

Checking if MongoDB is writeable...

INFO:Successfully created dummy table 'auratest' in Mongo. Cleaning up...

INFO:Successfully dropped table 'auratest'

INFO:Verified that MongoDB is writeable.

#72:Checking:Checking MongoDB Sizes

INFO:

List of DBs in Mongo and their Sizes:

local :	152.06	MB
dnacaap :	12.6	MB
maglev-system :	5.84	MB
ndp :	5.56	MB
assurance-backend :	532.0	KB
fusion :	424.0	KB
admin :	168.0	KB
dnac-search :	136.0	KB

#73:Checking:Tenantintsegment overflow

INFO:Overflow possible CSCvr19226, checking DB for issues

[Cisco Bug: CSCvr19226](#)

INFO:TenantId long:7087255370216124416 int:3229500911 int signed:-1065466385 DB check was ok

#74:Checking:InfluxDB Health

INFO:Influxdb database is healthy

#75:Checking:InfluxDB Memory Utilization

Error:#IN08:InfluxDB Memory Utilization check failed while executing command: ERROR: No matches found

ERROR: No matches found

#76:Checking:Cassandra Health

```
INFO:Gossip active          : true
Thrift active               : true
Native Transport active: true
Exceptions                  : 0
INFO:Cassandra Node is healthy
```

#77:Checking:Cassandra status

Error:#IN09:Cassandra status check failed while executing command: Traceback (most recent call last):

```
File "/usr/local/bin/magctl", line 11, in <module>
    sys.exit(cli())
File "/opt/maglev/local/lib/python2.7/site-packages/magctl/main.py", line 37, in __call__
    return self.main(*args, **kwargs)
File "/opt/maglev/local/lib/python2.7/site-packages/click/core.py", line 696, in main
    rv = self.invoke(ctx)
File "/opt/maglev/local/lib/python2.7/site-packages/click/core.py", line 1060, in invoke
    return _process_result(sub_ctx.command.invoke(sub_ctx))
File "/opt/maglev/local/lib/python2.7/site-packages/click/core.py", line 1060, in invoke
    return _process_result(sub_ctx.command.invoke(sub_ctx))
File "/opt/maglev/local/lib/python2.7/site-packages/click/core.py", line 1060, in invoke
    return _process_result(sub_ctx.command.invoke(sub_ctx))
File "/opt/maglev/local/lib/python2.7/site-packages/click/core.py", line 889, in invoke
    return ctx.invoke(self.callback, **ctx.params)
File "/opt/maglev/local/lib/python2.7/site-packages/click/core.py", line 534, in invoke
    return callback(*args, **kwargs)
File "/opt/maglev/local/lib/python2.7/site-packages/magctl/commands/sub_commands/sts/cassandra
.py", line 38, in status
    match = _search_for_pod(_service_name, namespace=appstack)
File "/opt/maglev/local/lib/python2.7/site-packages/magctl/commands/sub_commands/sts/cassandra
.py", line 61, in _search_for_pod
    if len(filteredreplicas):
UnboundLocalError: local variable 'filteredreplicas' referenced before assignment
```

#78:Checking:Rabbitmq Cluster Health

INFO:Timeout: 70.0 seconds ...

Checking health of node 'rabbit@rabbitmq-0.rabbitmq.maglev-system.svc.cluster.local' ...

Health check passed

INFO:Rabbitmq Cluster Health Looks OK

#79:Checking:Rabbitmq Cluster Status

INFO:node:rabbit@rabbitmq-0.rabbitmq.maglev-system.svc.cluster.local is ok

#80:Checking:Rabbitmq Queue Status

INFO:Queues have messages (sleeping 30secs to retry)

Queue dna.lan.common.service.queue, count 12

INFO:No increase observed in Queue count. Sleeping 30secs to retry Queues

INFO:No increase observed in Queue count. Sleeping 30secs to retry Queues

INFO:Queue counts did not increase after first attempt

#81:Checking:Rabbitmq Queues with Unacknowledged messages

INFO:skype-collector-588b956dc8-mk6tw 5

INFO:No Unacknowledged messages found for any queue. Looks OK

#82:Checking:Zookeeper Cluster Health

INFO:Zoo Node => 10.0.4.52:

imok

INFO:Zookeeper Cluster Health Looks OK

#83:Checking:Zookeeper Cluster Status

INFO:Mode: standalone

INFO:Zookeeper Cluster Status Looks OK

#84:Checking:Elasticsearch Cluster Status : Maglev-System

INFO:{

"cluster_name" : "loginfra",

"status" : "green",

"timed_out" : false,

"number_of_nodes" : 1,

"number_of_data_nodes" : 1,

"active_primary_shards" : 30,

"active_shards" : 30,

```
"relocating_shards" : 0,
"initializing_shards" : 0,
"unassigned_shards" : 0,
"delayed_unassigned_shards" : 0,
"number_of_pending_tasks" : 0,
"number_of_in_flight_fetch" : 0,
"task_max_waiting_in_queue_millis" : 0,
"active_shards_percent_as_number" : 100.0
}
INFO:Validating Cluster Status for elasticsearch-0:maglev-system ...
INFO:Validated that Node Count looks OK
INFO:Validated that Status looks OK
INFO:Validated that Count of Unassigned Shards is 0
```

#85:Checking:Elasticsearch Cluster Status : NDP

```
INFO:{
  "cluster_name" : "elasticsearch",
  "status" : "yellow",
  "timed_out" : false,
  "number_of_nodes" : 1,
  "number_of_data_nodes" : 1,
  "active_primary_shards" : 393,
  "active_shards" : 393,
  "relocating_shards" : 0,
  "initializing_shards" : 0,
  "unassigned_shards" : 393,
  "delayed_unassigned_shards" : 0,
  "number_of_pending_tasks" : 0,
  "number_of_in_flight_fetch" : 0,
  "task_max_waiting_in_queue_millis" : 0,
  "active_shards_percent_as_number" : 50.0
}
INFO:Validating Cluster Status for elasticsearch-0:ndp ...
INFO:Validated that Node Count looks OK
INFO:Validated that Status looks OK
INFO:Validated that Count of Unassigned Shards matches count of Active Shards
```

#86:Checking:Sidecars listening

```
INFO:Sidecar Redis is ok
INFO:Sidecar Postgres Fusion is ok
INFO:Sidecar Gluster is ok
INFO:Sidecar Mongo is ok
INFO:Sidecar Credential Manager is ok
INFO:sidecar:Apphosting Postgress not running on this node
INFO:Sidecar Rabbitmq is ok
INFO:Sidecar Zookeeper is ok
INFO:Sidecar Kafka is ok
INFO:Sidecar Influxdb is ok
INFO:Sidecar Kong is ok
INFO:Sidecar Minio is ok
INFO:Sidecar Cassandra is ok
```

#87:Checking:REST API (BAPI) is responding

```
INFO:REST API is OK
```

#88:Checking:Backup History

```
Error:#IN10:No Backup history exists on this setup. Please take a new backup.
```

#89:Checking:Known issue that causes LAN Auto to fail to start

```
INFO:LAN Automation not used, hence bug not applicable
```

#90:Checking:Critical Vulnerabilities in Apache Log4j - CVE-2021-44228 & CVE-2021-45046

```
Error:#IN11:This DNA Center is affected by the Critical Apache Log4j Vulnerabilities - CVE-2021-44228 & CVE-2021-45046. Check out http://cs.co/9005KGmpJ for more details.
```

Cisco DNA Center & Device Assurance Detailed Results

#01:Checking:Assurance Partition Disk Space Usage

INFO:Assurance Partition Disk Space Utilization is at 1%

#02:Checking:Assurance Services Status

INFO:All Assurance Services are running ok

#03:Checking:Check Assurance Backend Purge Job

INFO:Assurance Backend Purge check is active and was last executed 5m ago. The check runs every 60 mins.

#04:Checking:Check Assurance NDP Purge Job that cleans up Redis DB

INFO:Assurance NDP Purge checks are active and were last executed 44s and 5m ago. The 2 checks run every 60 mins.

#05:Checking:Redis Out of memory

INFO:Redis memory is 1.8%

#06:Checking:Assurance Pipeline status

INFO:Found 16 pipelines and all of them are in the running state

#07:Checking:Device health score summary

INFO:Total Devices:27 Healthy:27

INFO:No device health info

#08:Checking:Client health score summary

INFO:ALL Total:0

INFO:WIRED Total:0

INFO:WIRELESS Total:0

#09:Checking:WLC correct telemetry API call

INFO:WLC API call ok

#10:Checking:Capturing Commands from the Wireless Controllers

INFO:No AireOS WLCs found

INFO:No IOSXE WLCs found

Cisco DNA Center & Device Upgrade Readiness Results

#01:Checking:RCA Files Disk Usage

INFO:There are no RCA files on this Cisco DNA Center

#02:Checking:Count of Exited containers

INFO:138

Warning:Found 138 exited containers. Please contact TAC to perform a cleanup

#03:Checking:Count of Non Running Pods

INFO:8

Warning:Found 8 Non Running Pods. Please contact TAC to perform a cleanup

#04:Checking:Maglev Catalog Settings

INFO:Validating catalog server settings...

Successfully scheduled job to validate catalog settings.

INFO:Catalog Settings Status:

metadata:

certificate:

status: ERROR

statusMsg: No connectivity to parent catalog

connectivity:

- server: https://www.ciscoconnectdna.com:443

status: ERROR

statusMsg: 'We detected a problem while connecting to our cloud server. Please ensure proxy is correctly configured and connectivity can established to server: (https://www.ciscoconnectdna.com:443).'

disk:

status: SUCCESS

proxy:

status: ERROR

statusMsg: 'We detected a problem while connecting to our cloud server. Please ensure proxy is correctly configured and connectivity can established to server: (https://www.ciscoconnectdna.com:443).'

status: ERROR

statusMsg: Validating catalog settings

timestamp: '2022-05-08 21:05:07'

Error:#UR01:Error while validating maglev catalog settings:

metadata:

certificate:

status: ERROR

statusMsg: No connectivity to parent catalog

connectivity:

- server: https://www.ciscoconnectdna.com:443

status: ERROR

statusMsg: 'We detected a problem while connecting to our cloud server. Please ensure proxy is correctly configured and connectivity can established to server:

(https://www.ciscoconnectdna.com:443).'

disk:

status: SUCCESS

proxy:

status: ERROR

statusMsg: 'We detected a problem while connecting to our cloud server. Please ensure proxy is correctly configured and connectivity can established to server:

(https://www.ciscoconnectdna.com:443).'

status: ERROR

statusMsg: Validating catalog settings

timestamp: '2022-05-08 21:05:07'

INFO:Maglev Catalog Settings Display :

maglev-1 [main - https://kong-frontend.maglev-system.svc.cluster.local:443]

SETTING

VALUE

defaultRepository

exposedRegistry

httpsProxy

https://:

offlineMode

parentCatalogServer

https://www.ciscoconnectdna.com:443

#05:Checking:Catalog Release Channel Details - NO VALIDATION - ONLY INFO FOR REVIEW

INFO:Please NOTE: The output below needs to be reviewed manually. For a pre-upgrade scenario, the below output may not be relevant. Please review these in case of Upgrade Failure

INFO:

maglev-1 [main - https://kong-frontend.maglev-system.svc.cluster.local:443]

NAME	DISPLAY_NAME	VERSION	REPOSITORY	ACTIVE	ENABLE
dnac	DNA-C	2.2.2.8	dnac222	True	True
dnac	DNA-C	2.2.3.5	dnac223		True

#06:Checking:Catalog System Update Packages - NO VALIDATION - ONLY INFO FOR REVIEW

INFO:Please NOTE: The output below needs to be reviewed manually. For a pre-upgrade scenario, the below output may not be relevant. Please review these in case of Upgrade Failure

INFO:

maglev-1 [main - https://kong-frontend.maglev-system.svc.cluster.local:443]

NAME	VERSION	REQUIRES_PULL	STATE	MESSAGE
catalogserver	1.6.594	False	READY	Successfully pulled
main-system-package	1.6.594	False	READY	Successfully pulled
system-updater	1.6.594	False	READY	Successfully pulled

#07:Checking:Catalog Packages - PLEASE REVIEW OUTPUT MANUALLY

INFO:Please NOTE: The output below needs to be reviewed manually. For a pre-upgrade scenario, the below output may not be relevant. Please review these in case of Upgrade Failure

INFO:

maglev-1 [main - https://kong-frontend.maglev-system.svc.cluster.local:443]

NAME	DISPLAY_NAME	VERSION	STATE	IN
FO				
access-control-application	Access Control Application	2.1.368.60015	PARTIAL	P
Package needs to be pulled/downloaded				
ai-network-analytics	AI Network Analytics	2.6.9.455	PARTIAL	Pa
Package needs to be pulled/downloaded				
app-hosting	Application Hosting	1.6.6.2112161504	PARTIAL	P
Package needs to be pulled/downloaded				
application-policy	Application Policy	2.1.368.170003	PARTIAL	Pa
Package needs to be pulled/downloaded				
application-registry	Application Registry	2.1.368.170003	PARTIAL	Pa
Package needs to be pulled/downloaded				
application-visibility-service	Application Visibility Service	2.1.368.170003	PARTIAL	
Package needs to be pulled/downloaded				
assurance	Assurance - Base	2.2.2.485	PARTIAL	Pa
Package needs to be pulled/downloaded				
automation-core	NCP - Services	2.1.368.60015	PARTIAL	Pa
Package needs to be pulled/downloaded				
base-provision-core	Automation - Base	2.1.368.60015	PARTIAL	Pa
Package needs to be pulled/downloaded				
cloud-connectivity-contextual-content	Cloud Connectivity - Contextual Content	1.3.1.364	PARTIAL	P
Package needs to be pulled/downloaded				
cloud-connectivity-data-hub	Cloud Connectivity - Data Hub	1.6.0.380	PARTIAL	
Package needs to be pulled/downloaded				
cloud-connectivity-tethering	Cloud Connectivity - Tethering	2.12.1.2	PARTIAL	
Package needs to be pulled/downloaded				
cloud-provision-core	Cloud Device Provisioning Application	2.1.368.60015	PARTIAL	Pa
Package needs to be pulled/downloaded				
command-runner	Command Runner	2.1.368.60015	PARTIAL	Pa
Package needs to be pulled/downloaded				

device-onboarding	Device Onboarding	2.1.368.60015	PARTIAL	Pa
ckage needs to be pulled/downloaded				
disaster-recovery	Disaster Recovery	2.1.367.360196	PARTIAL	Pa
ckage needs to be pulled/downloaded				
dna-core-apps	Network Experience Platform - Core	2.1.368.60015	PARTIAL	Pa
ckage needs to be pulled/downloaded				
dnac-platform	Cisco DNA Center Platform	1.5.1.180	PARTIAL	Pa
ckage needs to be pulled/downloaded				
dnac-search	Cisco DNA Center Global Search	1.5.0.466	PARTIAL	Pa
ckage needs to be pulled/downloaded				
endpoint-analytics	AI Endpoint Analytics	1.4.375	PARTIAL	Pa
ckage needs to be pulled/downloaded				
group-based-policy-analytics	Group-Based Policy Analytics	2.2.1.401	PARTIAL	
Package needs to be pulled/downloaded				
icap-automation	Automation - Intelligent Capture	2.1.368.60015	PARTIAL	Pa
ckage needs to be pulled/downloaded				
image-management	Image Management	2.1.368.60015	PARTIAL	Pa
ckage needs to be pulled/downloaded				
machine-reasoning	Machine Reasoning	2.1.368.210017	PARTIAL	Pa
ckage needs to be pulled/downloaded				
ncp-system	NCP - Base	2.1.368.60015	PARTIAL	Pa
ckage needs to be pulled/downloaded				
ndp-base-analytics	Network Data Platform - Base Analytics	1.6.1028	PARTIAL	Pa
ckage needs to be pulled/downloaded				
ndp-platform	Network Data Platform - Core	1.6.596	PARTIAL	Pa
ckage needs to be pulled/downloaded				
ndp-ui	Network Data Platform - Manager	1.6.543	PARTIAL	Pa
ckage needs to be pulled/downloaded				
network-visibility	Network Controller Platform	2.1.368.60015	PARTIAL	Pa
ckage needs to be pulled/downloaded				
path-trace	Path Trace	2.1.368.60015	PARTIAL	Pa
ckage needs to be pulled/downloaded				
platform-ui	Cisco DNA Center UI	1.6.2.446	PARTIAL	Pa
ckage needs to be pulled/downloaded				
rbac-extensions	RBAC Extensions	2.1.368.1910001	PARTIAL	Pa
ckage needs to be pulled/downloaded				
rogue-management	Rogue and aWIPS	2.2.0.51	PARTIAL	Pa
ckage needs to be pulled/downloaded				

sd-access	SD Access	2.1.368.60015	PARTIAL	Pa
ckage needs to be pulled/downloaded				
sensor-assurance	Assurance - Sensor	2.2.2.484	PARTIAL	Pa
ckage needs to be pulled/downloaded				
sensor-automation	Automation - Sensor	2.1.368.60015	PARTIAL	Pa
ckage needs to be pulled/downloaded				
ssa	Stealthwatch Security Analytics	2.1.368.1091226	PARTIAL	Pa
ckage needs to be pulled/downloaded				
system	System	1.6.594	READY	
system-commons	System Commons	2.1.368.60015	PARTIAL	Pa
ckage needs to be pulled/downloaded				
umbrella	Cisco Umbrella	2.1.368.592015	PARTIAL	Pa
ckage needs to be pulled/downloaded				
wide-area-bonjour	Wide Area Bonjour	2.4.368.75006	PARTIAL	Pa
ckage needs to be pulled/downloaded				

#08:Checking:Catalog Hook Bundles - NO VALIDATION - ONLY INFO FOR REVIEW

INFO:Please NOTE: The output below needs to be reviewed manually. For a pre-upgrade scenario, the below output may not be relevant. Please review these in case of Upgrade Failure

INFO:
maglev-1 [main - https://kong-frontend.maglev-system.svc.cluster.local:443]

NAME	VERSION	PACKAGE_VERSION	STATE

main-system-package	1.0.3.58	1.3.0.115	READY
main-system-package	1.3.0.167.2	1.3.0.167	PARTIAL
main-system-package	1.5.288.2	1.5.288	PARTIAL
main-system-package	1.6.594.5	1.6.594	READY
main-system-package	1.6.594.6	1.6.594	PARTIAL

#09:Checking:Parent Repository Settings

INFO:Variable PARENT_CATALOG_SERVER_REPOSITORY is not manually set
INFO:Variable PARENT_CATALOG_SERVER is not manually set

#10:Checking:Direct connect to ciscoconnectdna

INFO:direct connect check to ciscoconnectdna successful

#11:Checking:Checking File-service for missing FileID mappings

INFO:
File-Service Instance is running on Node :
file-service-677f44f98-6d4gc 10.36.31.65
INFO:File sdn-admin.p12 exists in container for namespace ejbca
INFO:File truststore.jks exists in container for namespace ejbca
INFO:File iosttruststore.jks exists in container for namespace pki-trustpool

#12:Checking:Expiry of Maglev Certs

INFO:

Table with 3 columns: certificate, start date, end date. Lists various certificates like credentialmanager.pem, kong.pem, kube-worker-1.pem, maglev-registry.pem, apiserver.crt, apiserver-kubelet-client.crt, front-proxy-ca.crt, front-proxy-client.crt, admin.conf, scheduler.conf, controller-manager.conf with their respective start and end dates.

INFO:All Certs have validity over 100 days and looks OK

#13:Checking:Expiry of registry CA cert

Error:#UR02:Registry CA not found - check CSCvy55791 - file /etc/docker/certs.d/maglev-registry.
.maglev-system.svc.cluster.local\:5000/registry-ca.crt

[Cisco Bug: CSCvy55791](#)

#14:Checking:Expiry of CA Cert

INFO:CA OK, expiring Jan 10 17:06:18 2025 GMT (977 days)

#15:Checking:etcd certificates

Warning:CSCvw23564 - etcd certificates are not required

#16:Checking:Checking for Stale Mount Points

INFO:No Stale Mount Points found

#17:Checking:Checking for Kubernetes Transient Mounts

INFO:Kubernetes Transient Mounts count looks OK

Number of Kubernetes Transient Mounts : 0

Total Containers Count : 296

#18:Checking:Collector-ISE config has been cleaned up after a previous upgrade

INFO:Collector-ISE config in etcd test passed, no cleanup required

#19:Checking:Pending workflows

INFO:No pending workflows found

#20:Checking:Backup Display to find Last Successful Backup

Warning:Backup is not enabled because of missing configuration. Please check if Remote Server i
s configured under the Backup & Restore Configure Page

#21:Checking:Provision fail due to invalid migration status parameter

INFO:Check Passed

#22:Checking:Maglev Hook Installer Service status on the Cisco DNA Center

INFO: Active: active (running) since Sun 2022-05-08 17:22:03 UTC; 3h 43min ago

INFO:Maglev Hook Installer Service is running fine on this node

#23:Checking:Download test image from the Cisco DNA Center Cloud Image Repository

INFO:This check can take up to 4 minutes to complete

Error:#UR03:Unable to download a small test image of size 50MB from DNAC cloud repository

Error:#UR04:Unable to download a medium test image of size 150MB from DNAC cloud repository

INFO:Skipping test with large image as the small and medium size images failed

#24:Checking:Checking if SSL Intercept is configured in the Network

INFO:Check Passed. No errors found in logs

#25:Checking:Proxy password encoding

INFO:skipping check for kernel version:4.15.0-159-generic

#26:Checking:Multisite count for SDA deployment

INFO:0 fabric sites - OK

#27:Checking:DNA Center Upgrade Path to the latest patch of 2.2.2.x

INFO:The Upgrade path to the latest patch release of 2.2.2.x is 1.3.3.0-->2.1.2.7-->2.2.2.6

#28:Checking:DNA Center Upgrade Path to the latest patch of 2.1.2.x

INFO:The Upgrade path to the latest patch release of 2.1.2.x is 1.3.3.0-->2.1.2.7

#29:Checking:Catalyst devices in Bundle Mode

INFO:Catalyst 3k and 9k switches in Bundle mode (traditional method) use more memory, take longer to boot and don't support features like ISSU. SWIM upgrade for cat9k switches with eWLC has been stopped from 2.2.2.x version onwards (they do not impact the Cisco DNA Center upgrade).

Warning:There are 1 Catalyst 9k switches in Bundle mode.

INFO:There are no Catalyst 3k switches in Bundle mode

INFO:There are no Catalyst 9800 Wireless Controllers in Bundle mode

INFO:List of devices in the log bundle, file name starting with swim_bundle_mode

#30:Checking:Recent updates and RCA files

INFO:No recent updates

#31:Checking:Secondary Interface Status (XL only)

INFO:Skipping this check as applicable for XL devices only

#32:Checking:kubectl default namespace

INFO:No extra deployment or services in default namespace

#33:Checking:Fabric Devices Compatibility with DNA Center Version 2.2.2.x

#34:Checking:IP Pool Migration

INFO:IP Pool Migration looks OK (Not Applicable Pre-Upgrade)

#35:Checking:Configured AAA Servers and their Status

INFO:No AAA Servers Found

SD-Access Detailed Results

Additional SDA Checks on devices have been skipped. Please use -s option if you want all SDA checks run

#01:Checking:Fabric device reachability inventory status

INFO:Current Inventory Status Count: {u'"SUCCESS"' : 27}

#02:Checking:Fabric inventory collection

INFO:Current Inventory Collection Count: {u'Global Default' : 27}

#03:Checking:LISP component constraint violation

INFO:No LISP component constrain violations

#04:Checking:SDA:Cisco DNA Center & ISE integration status

INFO:Found 0 Available ISE Personas out of 0

#05:Checking:Verify the SSH connectivity between Cisco DNA Center and Cisco ISE

INFO:Skipping the checks to be performed on the Cisco ISE as an active primary PAN could not be found in the database

INFO:Skipping this check as there are no Fabric Sites

INFO:Skipping this check as there are no Fabric Sites

INFO:Skipping this check as there are no Fabric Sites

INFO:Skipping this check as there are no Fabric Sites

Scale Limit Check Detailed Results

#01:Checking:Scale : Number of Sites

INFO:Number of Sites permitted for Scale : 1000

INFO:Number of Sites Configured on Setup : 3

INFO:Value within normal Range

INFO:Breakdown building:1, area:1

INFO:Empty buildings/floors:0

First 15:

#02:Checking:Scale : Number of Access Control Policies

INFO:Number of Access Control Policies permitted for Scale : 25000

INFO:Number of Access Control Policies Configured on Setup : 0

INFO:Value within normal Range

#03:Checking:Scale : Number of Access Contracts

INFO:Number of Access Contracts permitted for Scale : 500

INFO:Number of Access Contracts Configured on Setup : 0

INFO:Value within normal Range

#04:Checking:Scale : Total number of devices (switch, router, wireless controller)

INFO:Total number of devices (switch, router, wireless controller) permitted for Scale : 2000

INFO:Total number of devices (switch, router, wireless controller) Configured on Setup : 27

INFO:Value within normal Range

INFO:Device Details (Product | Software Version | Count):

C9300-48U	17.3.4	12
ISR4461/K9	17.3.4a	3
C9500-32QC	17.3.4	4
C9500-48Y4C	17.3.4	8

#05:Checking:Scale : Number of Fabric Domains

INFO:Number of Fabric Domains permitted for Scale : 20

INFO:Number of Fabric Domains Configured on Setup : 1

INFO:Value within normal Range

#06:Checking:Scale : Number of Fabric Sites

INFO:Number of Fabric Sites permitted for Scale : 1000
INFO:Number of Fabric Sites Configured on Setup : 0
INFO:Value within normal Range

#07:Checking:Scale : Number of Group SGTs

INFO:Number of Group SGTs permitted for Scale : 4000
INFO:Number of Group SGTs Configured on Setup : 0
INFO:Value within normal Range

#08:Checking:Scale : Number of IP SuperPools

INFO:Number of IP SuperPools permitted for Scale : 100
INFO:Number of IP SuperPools Configured on Setup : 0
INFO:Value within normal Range

#09:Checking:Scale : Number of ISE connections

INFO:Number of ISE connections permitted for Scale : 2
INFO:Number of Active ISE connections Configured on Setup : 0

#10:Checking:Scale : Max number of AAA (Radius)

INFO:Max number of AAA (Radius) permitted for Scale : 50
INFO:Max number of AAA (Radius) Configured on Setup : 0
INFO:Value within normal Range

#11:Checking:Scale : Number of SSIDs

INFO:Number of SSIDs permitted for Scale : 100
INFO:Number of SSIDs Configured on Setup : 0
INFO:Value within normal Range

#12:Checking:Scale : Number of Virtual Networks per site

INFO:Number of Virtual Networks permitted per Fabric Site for Scale : 64
INFO:Virtual Network "DEFAULT_VN" validated. Count : 1
INFO:Value within normal Range
INFO:Virtual Network "INFRA_VN" validated. Count : 1
INFO:Value within normal Range

#13:Checking:Scale : Number of Wireless Access Points

INFO:Number of Wireless Access Points permitted for Scale : 6000

INFO:Number of Wireless Access Points Configured on Setup : 0

INFO:Value within normal Range

#14:Checking:Scale : Number of Wireless LAN Controllers

INFO:Number of Wireless LAN Controllers permitted for Scale : 1000

INFO:Number of Wireless LAN Controllers Configured on Setup : 0

INFO:Value within normal Range

#15:Checking:Scale : Number of Wireless Sensors

INFO:Number of Wireless Sensors permitted for Scale : 1200

INFO:Number of Wireless Sensors Configured on Setup : 0

INFO:Value within normal Range

#16:Checking:Scale : Number of Fabric Devices per Site

INFO:Number of Fabric Devices permitted per Site : 600

#17:Checking:Scale : Number of Fabric Borders per Site

INFO:Number of Fabric Borders permitted per Site : 4

#18:Checking:Scale : Number of Fabric Control Plane Nodes per Site

INFO:Number of Fabric Control Plane Nodes permitted per Site : 6