Test Report

February 24, 2022 03:26:08PM

# 1. Test Results Summary

## 1.1 Summary Results

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Total Tests | Total Passed | Total Failed | Total Skipped | Total Errored | Total Duration |
| 23 | 18 | 5 | 0 | 0 | 14.477121829986572 |

## 1.2 Summary Totals for Devices Under Tests

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| DUT | Total Tests | Total Passed | Total Failed | Total Skipped | Total Errored |
| BL1 | 23 | 18 | 5 | 0 | 0 |

## 1.3 Summary Totals for Test Suites

|  |  |  |  |
| --- | --- | --- | --- |
| Test Suite | Total Tests | Total Passed | Total Failed |
| Cpu | 3 | 2 | 1 |
| Ztp | 2 | 2 | 0 |
| Daemon | 2 | 2 | 0 |
| System | 2 | 1 | 1 |
| Extension | 2 | 0 | 2 |
| Filesystem | 1 | 1 | 0 |
| Host | 1 | 1 | 0 |
| Interface | 2 | 2 | 0 |
| Logging | 1 | 1 | 0 |
| Api | 5 | 5 | 0 |
| Users | 1 | 0 | 1 |
| Memory | 1 | 1 | 0 |

# 2. Test Case Results Summary

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Id | Test Suite | Test Case | DUT | Result | Failure Reason |
| 1 | Cpu | Test 1 min cpu utlization | BL1 | PASS |  |
| 2 | Cpu | Test 1 sec cpu utlization | BL1 | FAIL | On router |BL1| 1 second CPU load average is |4.68%| and should be under |1%| |
| 3 | Cpu | Test 5 min cpu utlization | BL1 | PASS |  |
| 4 | Ztp | Test for zerotouch config file | BL1 | PASS |  |
| 5 | Ztp | Test if zerotouch is disabled | BL1 | PASS |  |
| 6 | Daemon | Test if daemons are enabled | BL1 | PASS |  |
| 7 | Daemon | Test if daemons are running | BL1 | PASS |  |
| 8 | System | Test if eos version is correct | BL1 | FAIL | On router |BL1| EOS version is |4.24.2F%|, version should be |4.24.0FX-cloud%| |
| 9 | System | Test if there is agents have crashed | BL1 | PASS |  |
| 10 | Extension | Test if extensions are erroring | BL1 | FAIL | On router |BL1| extension |awslogs.swix| error status is |None|, correct error status is |False|.  On router |BL1| extension |awsha.rpm| error status is |None|, correct error status is |False|. |
| 11 | Extension | Test if extensions are installed | BL1 | FAIL | On router |BL1| extension |awslogs.swix| status is |None|, correct status is |installed|.  On router |BL1| extension |awsha.rpm| status is |None|, correct status is |installed|.  On router |BL1| extension |twamp.rpm| status is |None|, correct status is |installed|. |
| 12 | Filesystem | Test if files | BL1 | PASS |  |
| 13 | Host | Test if hostname is correcet | BL1 | PASS |  |
| 14 | Interface | Test if interface link status is connected | BL1 | PASS |  |
| 15 | Interface | Test if interface protocol status is connected | BL1 | PASS |  |
| 16 | Logging | Test if log messages appear | BL1 | PASS |  |
| 17 | Api | Test if management http api server is running | BL1 | PASS |  |
| 18 | Api | Test if management https api server is enabled | BL1 | PASS |  |
| 19 | Api | Test if management https api server is running | BL1 | PASS |  |
| 20 | Api | Test if management https api server port is correct | BL1 | PASS |  |
| 21 | Api | Test if management local http api server is running | BL1 | PASS |  |
| 22 | Users | Test if usernames are configured | BL1 | FAIL | On router |BL1|: |ec2-user| username configured is |False|, username configured should be |True|.  On router |BL1|: |kgrozis| username configured is |False|, username configured should be |True|. |
| 23 | Memory | Test memory utilization | BL1 | PASS |  |

# 3. Detailed Test Suite Results: Cpu

## 3.1 Test Case: Test 1 min cpu utlization

### 3.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 1 |
| Name | test\_1\_min\_cpu\_utlization\_on\_ |
| Description | Verify 1 minute CPU % is under specificied value |
| Device under test | BL1 |
| Show command | show processes |
| Expected output | 10 |
| Actual output | 2.15 |
| Test result | True |
| Fail reason |  |
| Comment | TEST if 1 minute CPU utilization is less than specified value on |BL1|. GIVEN CPU utilization is less than |10|. WHEN CPU utilization is |2.15|. THEN test case result is |True|. OUTPUT of |show processes| is :   15:25:57 up 2 min, 0 users, load average: 4.68, 2.15, 0.81  PID %CPU %MEM TT STAT STARTED TIME CMD  1892 22.7 7.8 ? Sl 15:24:02 00:00:25 ConfigAgent  1894 4.9 4.0 ? S 15:24:02 00:00:05 Sysdb  2094 4.6 2.4 ? Sl 15:24:32 00:00:03 /usr/bin/TerminAttr -ingestgrpcurl=192.168.0.5:9910 -cvcompression=gzip -ingestauth=key,1a38fe7df56879d685e51b6f0ff86327 -smashexcludes=ale,flexCounter,hardware,kni,pulse,strata -ingestexclude=/Sysdb/cell/1/agent,/Sysdb/cell/2/agent -taillogs  2313 4.6 4.2 ? Sl 15:24:53 00:00:02 Bgp  2226 3.8 3.3 ? S 15:24:37 00:00:03 Etba  2106 3.2 2.7 ? S 15:24:32 00:00:02 SuperServer  2291 3.1 2.3 ? S 15:24:51 00:00:02 BgpCliHelper  2218 2.0 2.5 ? S 15:24:36 00:00:01 IgmpSnooping  2292 2.0 2.9 ? S 15:24:51 00:00:01 IpRib  2164 1.7 2.4 ? S 15:24:33 00:00:01 Acl  1211 1.6 0.9 ? S<Ll 15:23:38 00:00:02 ovs-vswitchd unix:/var/run/openvswitch/db.sock -vconsole:emer -vsyslog:err -vfile:info --mlockall --no-chdir --log-file=/var/log/openvswitch/ovs-vswitchd.log --pidfile=/var/run/openvswitch/ovs-vswitchd.pid --detach --monitor  2156 1.6 2.3 ? Sl 15:24:33 00:00:01 Aaa  2158 1.6 2.6 ? Sl 15:24:33 00:00:01 Arp  2179 1.5 2.1 ? S 15:24:34 00:00:01 LacpTxAgent  2209 1.3 2.3 ? S 15:24:35 00:00:01 VxlanSwFwd  2215 1.3 2.4 ? S 15:24:36 00:00:01 Ebra  1702 1.2 0.6 ? S 15:23:48 00:00:01 ProcMgr-worker  2113 1.2 2.4 ? S 15:24:32 00:00:01 Lag  2120 1.2 2.6 ? S 15:24:32 00:00:01 Ira  2131 1.1 2.4 ? S 15:24:32 00:00:00 Vxlan  1895 1.0 2.6 ? S 15:24:02 00:00:01 Launcher  2187 1.0 2.4 ? S 15:24:34 00:00:00 KernelFib  2286 1.0 2.4 ? S 15:24:50 00:00:00 StaticRoute  1893 0.8 2.4 ? S 15:24:02 00:00:00 Fru  2184 0.8 2.4 ? S 15:24:34 00:00:00 Fhrp  2300 0.8 2.2 ? S 15:24:52 00:00:00 ConnectedRoute  2306 0.8 2.3 ? S 15:24:53 00:00:00 RouteInput  2225 0.7 2.1 ? S 15:24:37 00:00:00 PhyEthtool  1 0.6 0.1 ? Ss 15:23:14 00:00:01 /sbin/init  2109 0.6 2.3 ? S 15:24:32 00:00:00 Bfd  2130 0.6 2.2 ? S 15:24:32 00:00:00 EventMgr  2139 0.6 2.1 ? S 15:24:32 00:00:00 StpTxRx  2172 0.6 2.0 ? S 15:24:33 00:00:00 Stp  2175 0.6 2.0 ? S 15:24:33 00:00:00 McastCommon6  2162 0.5 2.0 ? S 15:24:33 00:00:00 StpTopology  2200 0.5 2.0 ? S 15:24:35 00:00:00 TopoAgent  2089 0.4 2.1 ? S 15:24:32 00:00:00 Lldp  2110 0.4 2.0 ? S 15:24:32 00:00:00 McastCommon  2138 0.4 2.1 ? Sl 15:24:32 00:00:00 CapiApp -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2189 0.4 2.0 ? S 15:24:34 00:00:00 Qos  2305 0.4 2.0 ? S 15:24:52 00:00:00 EvpnrtrEncap  3051 0.4 0.2 ? Ssl 15:25:14 00:00:00 ntpd -u ntp:ntp -g -p /var/run/ntpd.pid  1890 0.3 2.0 ? S 15:24:02 00:00:00 StageMgr  2123 0.3 2.0 ? S 15:24:32 00:00:00 LedPolicy  2155 0.3 2.0 ? S 15:24:33 00:00:00 Tunnel  2193 0.3 1.8 ? S 15:24:34 00:00:00 Thermostat  2196 0.3 2.0 ? S 15:24:34 00:00:00 L2Rib  2216 0.3 1.8 ? S 15:24:36 00:00:00 ReloadCauseAgent  336 0.2 0.0 ? S< 15:23:28 00:00:00 [loop0]  805 0.2 0.2 ? Ss 15:23:33 00:00:00 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation  2101 0.2 2.0 ? S 15:24:32 00:00:00 PortSec  2144 0.2 1.7 ? S 15:24:32 00:00:00 AgentMonitor  2146 0.2 1.8 ? S 15:24:32 00:00:00 StandbyCpld  2170 0.2 1.8 ? S 15:24:33 00:00:00 KernelNetworkInfo  1642 0.1 0.4 ? S 15:23:47 00:00:00 netnsd-server -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2203 0.1 1.8 ? S 15:24:35 00:00:00 PowerFuse  2219 0.1 1.8 ? S 15:24:36 00:00:00 SharedSecretProfile  2972 0.1 0.2 ? S 15:25:12 00:00:00 nginx: worker process   3281 0.1 0.0 tty1 Ss+ 15:25:18 00:00:00 /sbin/agetty --noclear tty1 linux  2 0.0 0.0 ? S 15:23:14 00:00:00 [kthreadd]  3 0.0 0.0 ? S 15:23:14 00:00:00 [ksoftirqd/0]  4 0.0 0.0 ? S 15:23:14 00:00:00 [kworker/0:0]  5 0.0 0.0 ? S< 15:23:14 00:00:00 [kworker/0:0H]  6 0.0 0.0 ? S 15:23:14 00:00:00 [kworker/u30:0]  7 0.0 0.0 ? S 15:23:14 00:00:00 [rcu\_preempt]  8 0.0 0.0 ? S 15:23:14 00:00:00 [rcu\_sched]  9 0.0 0.0 ? S 15:23:14 00:00:00 [rcu\_bh]  10 0.0 0.0 ? S 15:23:14 00:00:00 [migration/0]  11 0.0 0.0 ? S< 15:23:14 00:00:00 [lru-add-drain]  12 0.0 0.0 ? S 15:23:14 00:00:00 [watchdog/0]  13 0.0 0.0 ? S 15:23:14 00:00:00 [cpuhp/0]  14 0.0 0.0 ? S 15:23:14 00:00:00 [cpuhp/1]  15 0.0 0.0 ? S 15:23:14 00:00:00 [watchdog/1]  16 0.0 0.0 ? S 15:23:14 00:00:00 [migration/1]  17 0.0 0.0 ? S 15:23:14 00:00:00 [ksoftirqd/1]  18 0.0 0.0 ? S 15:23:14 00:00:00 [kworker/1:0]  19 0.0 0.0 ? S< 15:23:14 00:00:00 [kworker/1:0H]  20 0.0 0.0 ? S 15:23:14 00:00:00 [kdevtmpfs]  21 0.0 0.0 ? S< 15:23:14 00:00:00 [netns]  22 0.0 0.0 ? S 15:23:14 00:00:00 [xenwatch]  23 0.0 0.0 ? S 15:23:14 00:00:00 [xenbus]  24 0.0 0.0 ? S 15:23:14 00:00:00 [kworker/0:1]  25 0.0 0.0 ? S 15:23:14 00:00:00 [khungtaskd]  26 0.0 0.0 ? S 15:23:14 00:00:00 [khungtaskd2]  27 0.0 0.0 ? S 15:23:14 00:00:00 [oom\_reaper]  28 0.0 0.0 ? S< 15:23:14 00:00:00 [writeback]  29 0.0 0.0 ? S 15:23:14 00:00:00 [kcompactd0]  30 0.0 0.0 ? S< 15:23:14 00:00:00 [crypto]  31 0.0 0.0 ? S< 15:23:14 00:00:00 [kintegrityd]  32 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  33 0.0 0.0 ? S< 15:23:14 00:00:00 [kblockd]  34 0.0 0.0 ? S< 15:23:14 00:00:00 [ata\_sff]  35 0.0 0.0 ? S< 15:23:14 00:00:00 [edac-poller]  36 0.0 0.0 ? S 15:23:14 00:00:00 [dst\_gc\_task]  37 0.0 0.0 ? S< 15:23:14 00:00:00 [watchdogd]  38 0.0 0.0 ? S 15:23:14 00:00:00 [kworker/1:1]  39 0.0 0.0 ? S 15:23:14 00:00:00 [arp\_cache-prd]  40 0.0 0.0 ? S 15:23:14 00:00:00 [icmp\_unreachabl]  41 0.0 0.0 ? S< 15:23:14 00:00:00 [rpciod]  42 0.0 0.0 ? S< 15:23:14 00:00:00 [xprtiod]  43 0.0 0.0 ? S 15:23:14 00:00:00 [kswapd0]  44 0.0 0.0 ? S< 15:23:14 00:00:00 [vmstat]  45 0.0 0.0 ? S< 15:23:14 00:00:00 [nfsiod]  54 0.0 0.0 ? S< 15:23:14 00:00:00 [pcielwd]  55 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  56 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  57 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  58 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  59 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  60 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  61 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  62 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  63 0.0 0.0 ? S< 15:23:14 00:00:00 [nvme]  64 0.0 0.0 ? S 15:23:14 00:00:00 [scsi\_eh\_0]  65 0.0 0.0 ? S< 15:23:14 00:00:00 [scsi\_tmf\_0]  66 0.0 0.0 ? S 15:23:14 00:00:00 [scsi\_eh\_1]  67 0.0 0.0 ? S< 15:23:14 00:00:00 [scsi\_tmf\_1]  68 0.0 0.0 ? S 15:23:14 00:00:00 [kworker/u30:1]  69 0.0 0.0 ? S 15:23:14 00:00:00 [kworker/u30:2]  70 0.0 0.0 ? S 15:23:14 00:00:00 [ndisc\_cache-prd]  71 0.0 0.0 ? S< 15:23:14 00:00:00 [ipv6\_addrconf]  72 0.0 0.0 ? S< 15:23:14 00:00:00 [ecc\_log\_wq]  73 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  146 0.0 0.0 ? S 15:23:14 00:00:00 [jbd2/xvda1-8]  147 0.0 0.0 ? S< 15:23:14 00:00:00 [ext4-rsv-conver]  248 0.0 0.0 ? S< 15:23:15 00:00:00 [kworker/0:1H]  378 0.0 0.0 ? S< 15:23:29 00:00:00 [kworker/1:1H]  410 0.0 0.0 ? S 15:23:29 00:00:00 [kworker/0:2]  482 0.0 0.0 ? Ss 15:23:30 00:00:00 /usr/lib/systemd/systemd-udevd  535 0.0 0.0 ? Ss 15:23:30 00:00:00 /usr/sbin/lvmetad -f  564 0.0 0.0 ? S 15:23:30 00:00:00 [kworker/1:2]  757 0.0 0.0 ? S 15:23:33 00:00:00 [kworker/0:3]  796 0.0 0.0 ? Ss 15:23:33 00:00:00 /usr/sbin/mcelog --ignorenodev --daemon --foreground  800 0.0 0.0 ? Ss 15:23:33 00:00:00 /usr/lib/systemd/systemd-logind  802 0.0 0.0 ? Ss 15:23:33 00:00:00 /usr/bin/ProcMonitor  810 0.0 0.0 ? Ss 15:23:33 00:00:00 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid  838 0.0 0.0 ? Ss 15:23:34 00:00:00 /usr/sbin/crond -n  843 0.0 0.0 ? S 15:23:34 00:00:00 [kworker/1:3]  877 0.0 0.0 ? S<s 15:23:34 00:00:00 /usr/bin/wdogdev -t 100  1025 0.0 0.1 ? S 15:23:35 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/local.new . && mv /mnt/flash/persist/local.new /mnt/flash/persist/local || logger -t SetupPersist Failed to update /mnt/flash/persist/local --daemon --logfile=/var/log/inotifyrun-local.log --pidfile=/var/run/inotifyrun-local.pid /persist/local  1027 0.0 0.0 pts/0 Ss+ 15:23:35 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1056 0.0 0.0 ? Ss 15:23:36 00:00:00 /usr/bin/SaveFossil --dedup --compress --priority Sysdb --maxFiles 1000 /var/tmp/Fossil /mnt/flash/Fossil  1067 0.0 0.1 ? S 15:23:36 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/sys.new . && mv /mnt/flash/persist/sys.new /mnt/flash/persist/sys || logger -t SetupPersist Failed to update /mnt/flash/persist/sys --daemon --logfile=/var/log/inotifyrun-sys.log --pidfile=/var/run/inotifyrun-sys.pid /persist/sys  1068 0.0 0.0 pts/1 Ss+ 15:23:36 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1078 0.0 0.1 ? S 15:23:36 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/secure.new . && sync && ( mv /mnt/flash/persist/secure /mnt/flash/persist/secure.old; mv /mnt/flash/persist/secure.new /mnt/flash/persist/secure; sync ) && ( scrub --no-signature /mnt/flash/persist/secure.old; rm /mnt/flash/persist/secure.old ) || logger -t SetupPersist Failed to update /mnt/flash/persist/secure --daemon --logfile=/var/log/inotifyrun-secure.log --pidfile=/var/run/inotifyrun-secure.pid /persist/secure  1079 0.0 0.0 pts/2 Ss+ 15:23:36 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1106 0.0 0.0 ? Ss 15:23:37 00:00:00 /bin/bash /usr/sbin/core\_annotate\_util daemon  1137 0.0 0.0 ? S 15:23:37 00:00:00 inotifywait -e modify /var/lib/rpm  1151 0.0 0.0 ? Ss 15:23:37 00:00:00 /mnt/flash/dropbear -R -B -p 0.0.0.0:50001  1210 0.0 0.0 ? S<s 15:23:38 00:00:00 ovs-vswitchd: monitoring pid 1211 (healthy)   1640 0.0 0.4 ? S 15:23:47 00:00:00 netnsd-watcher -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1701 0.0 1.5 ? S 15:23:48 00:00:00 ProcMgr-master  1824 0.0 0.0 ? S 15:24:01 00:00:00 /usr/bin/EosOomAdjust  1837 0.0 0.0 ? S 15:24:02 00:00:00 [rbfd\_vrf\_cleanu]  1852 0.0 0.0 ? Ss 15:24:02 00:00:00 /usr/sbin/acpid  1891 0.0 0.0 ? S 15:24:02 00:00:00 /usr/bin/SlabMonitor  2085 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=Lldp --dlopen procmgr /usr/bin/Lldp  2087 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2090 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=McastCommon --dlopen procmgr /usr/bin/McastCommon  2092 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=PortSec --dlopen procmgr /usr/bin/PortSec  2096 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=Bfd --dlopen procmgr /usr/bin/Bfd  2097 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2098 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2099 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=Lag --dlopen procmgr /usr/bin/Lag  2102 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2107 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2108 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=Ira --dlopen procmgr /usr/bin/Ira  2117 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2118 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=LedPolicy --dlopen procmgr /usr/bin/LedPolicy  2119 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2122 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=Vxlan --dlopen procmgr /usr/bin/Vxlan  2125 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=EventMgr --dlopen procmgr /usr/bin/EventMgr  2126 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2127 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=CapiApp --dlopen procmgr /usr/bin/CapiApp --ini /etc/uwsgi/CapiApp.ini  2128 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2134 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=StpTxRx --dlopen procmgr /usr/bin/StpTxRx  2136 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2137 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2140 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=StandbyCpld --dlopen procmgr /usr/bin/StandbyCpld  2141 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=AgentMonitor --dlopen procmgr /usr/bin/AgentMonitor  2142 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2143 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2147 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=Tunnel --dlopen procmgr /usr/bin/Tunnel  2149 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=Arp --dlopen procmgr /usr/bin/Arp  2152 0.0 0.3 ? Ss 15:24:33 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2154 0.0 0.3 ? Ss 15:24:33 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2157 0.0 0.0 ? S 15:24:33 00:00:00 netns --agenttitle=StpTopology --dlopen procmgr /usr/bin/StpTopology  2159 0.0 0.0 ? S 15:24:33 00:00:00 netns --agenttitle=Acl --dlopen procmgr /usr/bin/Acl  2161 0.0 0.3 ? Ss 15:24:33 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2163 0.0 0.3 ? Ss 15:24:33 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2165 0.0 0.0 ? S 15:24:33 00:00:00 netns --agenttitle=Stp --dlopen procmgr /usr/bin/Stp  2166 0.0 0.3 ? Ss 15:24:33 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2167 0.0 0.0 ? S 15:24:33 00:00:00 netns --agenttitle=KernelNetworkInfo --dlopen procmgr /usr/bin/KernelNetworkInfo  2169 0.0 0.3 ? Ss 15:24:33 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2171 0.0 0.0 ? S 15:24:33 00:00:00 netns --agenttitle=McastCommon6 --dlopen procmgr /usr/bin/McastCommon6  2173 0.0 0.3 ? Ss 15:24:33 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2174 0.0 0.0 ? S 15:24:33 00:00:00 netns --agenttitle=LacpTxAgent --dlopen procmgr /usr/bin/LacpTxAgent  2176 0.0 0.3 ? Ss 15:24:34 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2178 0.0 0.0 ? S 15:24:33 00:00:00 netns --agenttitle=Fhrp --dlopen procmgr /usr/bin/Fhrp --scheduled  2180 0.0 0.0 ? S 15:24:34 00:00:00 netns --agenttitle=KernelFib --dlopen procmgr /usr/bin/KernelFib  2181 0.0 0.3 ? Ss 15:24:34 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2183 0.0 0.0 ? S 15:24:34 00:00:00 netns --agenttitle=Qos --dlopen procmgr /usr/bin/Qos  2185 0.0 0.3 ? Ss 15:24:34 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2186 0.0 0.0 ? S 15:24:34 00:00:00 netns --agenttitle=Thermostat --dlopen procmgr /usr/bin/Thermostat  2188 0.0 0.3 ? Ss 15:24:34 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2190 0.0 0.3 ? Ss 15:24:34 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2194 0.0 0.0 ? S 15:24:34 00:00:00 netns --agenttitle=L2Rib --dlopen procmgr /usr/bin/L2Rib  2195 0.0 0.3 ? Ss 15:24:34 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2197 0.0 0.0 ? S 15:24:34 00:00:00 netns --agenttitle=TopoAgent --dlopen procmgr /usr/bin/TopoAgent --scheduled  2198 0.0 0.3 ? Ss 15:24:35 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2201 0.0 0.0 ? S 15:24:35 00:00:00 netns --agenttitle=PowerFuse --dlopen procmgr /usr/bin/PowerFuse  2202 0.0 0.3 ? Ss 15:24:35 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2206 0.0 0.0 ? S 15:24:35 00:00:00 netns --agenttitle=VxlanSwFwd --dlopen procmgr /usr/bin/VxlanSwFwd  2207 0.0 0.3 ? Ss 15:24:35 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2208 0.0 0.0 ? S 15:24:35 00:00:00 netns --agenttitle=Ebra --dlopen procmgr /usr/bin/Ebra  2210 0.0 0.0 ? S 15:24:36 00:00:00 netns --agenttitle=ReloadCauseAgent --dlopen procmgr /usr/bin/ReloadCauseAgent  2212 0.0 0.3 ? Ss 15:24:36 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2213 0.0 0.3 ? Ss 15:24:36 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2214 0.0 0.0 ? S 15:24:36 00:00:00 netns --agenttitle=SharedSecretProfile --dlopen procmgr /usr/bin/SharedSecretProfile  2217 0.0 0.3 ? Ss 15:24:36 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2280 0.0 0.0 ? S 15:24:49 00:00:00 netns --agenttitle=StaticRoute --dlopen procmgr /usr/bin/StaticRoute --scheduled  2284 0.0 0.3 ? Ss 15:24:50 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2288 0.0 0.0 ? S 15:24:50 00:00:00 netns --agenttitle=IpRib --dlopen procmgr /usr/bin/IpRib --scheduled  2290 0.0 0.3 ? Ss 15:24:51 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2294 0.0 0.0 ? S 15:24:51 00:00:00 netns --agenttitle=ConnectedRoute --dlopen procmgr /usr/bin/ConnectedRoute  2297 0.0 0.3 ? Ss 15:24:52 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2298 0.0 0.0 ? S 15:24:52 00:00:00 netns --agenttitle=RouteInput --dlopen procmgr /usr/bin/RouteInput  2304 0.0 0.3 ? Ss 15:24:52 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2872 0.0 0.1 ? Ssl 15:25:11 00:00:00 /usr/sbin/rsyslogd -n  2911 0.0 0.0 ? S 15:25:12 00:00:00 /usr/sbin/dnsmasq  2970 0.0 0.0 ? Ss 15:25:12 00:00:00 nginx: master process /usr/sbin/nginx -c /etc/nginx/nginx.conf -g pid /var/run/nginx.pid;  3279 0.0 0.0 ? S 15:25:18 00:00:00 /usr/bin/conlogd  3280 0.0 0.0 ttyS0 Ss+ 15:25:18 00:00:00 /sbin/mingetty --noclear /dev/ttyS0  3283 0.0 0.0 ? S 15:25:18 00:00:00 sh -c /usr/bin/tail -n 0 --retry --follow=name --pid=3279 /var/log/eos-console | sed 's/\(.\*\)/\1\r/'  3285 0.0 0.0 ? S 15:25:18 00:00:00 /usr/bin/tail -n 0 --retry --follow=name --pid=3279 /var/log/eos-console  3286 0.0 0.0 ? S 15:25:18 00:00:00 sed s/\(.\*\)/\1\r/  3445 0.0 0.0 ? Rs 15:25:56 00:00:00 ps -e -o pid,pcpu,pmem,tt,stat,lstart,start,time,cmd --sort=-pcpu -ww . |

## 3.2 Test Case: Test 1 sec cpu utlization

### 3.2.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 2 |
| Name | test\_1\_sec\_cpu\_utlization\_on\_ |
| Description | Verify 1 second CPU % is under specificied value |
| Device under test | BL1 |
| Show command | show processes |
| Expected output | 1 |
| Actual output | 4.68 |
| Test result | False |
| Fail reason | On router |BL1| 1 second CPU load average is |4.68%| and should be under |1%| |
| Comment | TEST if 1 second CPU utilization is less than specified value on |BL1|. GIVEN CPU utilization is less than |1|. WHEN CPU utilization is |4.68|. THEN test case result is |False|. OUTPUT of |show processes| is :   15:25:57 up 2 min, 0 users, load average: 4.68, 2.15, 0.81  PID %CPU %MEM TT STAT STARTED TIME CMD  1892 22.7 7.8 ? Sl 15:24:02 00:00:25 ConfigAgent  1894 4.9 4.0 ? S 15:24:02 00:00:05 Sysdb  2094 4.6 2.4 ? Sl 15:24:32 00:00:03 /usr/bin/TerminAttr -ingestgrpcurl=192.168.0.5:9910 -cvcompression=gzip -ingestauth=key,1a38fe7df56879d685e51b6f0ff86327 -smashexcludes=ale,flexCounter,hardware,kni,pulse,strata -ingestexclude=/Sysdb/cell/1/agent,/Sysdb/cell/2/agent -taillogs  2313 4.6 4.2 ? Sl 15:24:53 00:00:02 Bgp  2226 3.8 3.3 ? S 15:24:37 00:00:03 Etba  2106 3.2 2.7 ? S 15:24:32 00:00:02 SuperServer  2291 3.1 2.3 ? S 15:24:51 00:00:02 BgpCliHelper  2218 2.0 2.5 ? S 15:24:36 00:00:01 IgmpSnooping  2292 2.0 2.9 ? S 15:24:51 00:00:01 IpRib  2164 1.7 2.4 ? S 15:24:33 00:00:01 Acl  1211 1.6 0.9 ? S<Ll 15:23:38 00:00:02 ovs-vswitchd unix:/var/run/openvswitch/db.sock -vconsole:emer -vsyslog:err -vfile:info --mlockall --no-chdir --log-file=/var/log/openvswitch/ovs-vswitchd.log --pidfile=/var/run/openvswitch/ovs-vswitchd.pid --detach --monitor  2156 1.6 2.3 ? Sl 15:24:33 00:00:01 Aaa  2158 1.6 2.6 ? Sl 15:24:33 00:00:01 Arp  2179 1.5 2.1 ? S 15:24:34 00:00:01 LacpTxAgent  2209 1.3 2.3 ? S 15:24:35 00:00:01 VxlanSwFwd  2215 1.3 2.4 ? S 15:24:36 00:00:01 Ebra  1702 1.2 0.6 ? S 15:23:48 00:00:01 ProcMgr-worker  2113 1.2 2.4 ? S 15:24:32 00:00:01 Lag  2120 1.2 2.6 ? S 15:24:32 00:00:01 Ira  2131 1.1 2.4 ? S 15:24:32 00:00:00 Vxlan  1895 1.0 2.6 ? S 15:24:02 00:00:01 Launcher  2187 1.0 2.4 ? S 15:24:34 00:00:00 KernelFib  2286 1.0 2.4 ? S 15:24:50 00:00:00 StaticRoute  1893 0.8 2.4 ? S 15:24:02 00:00:00 Fru  2184 0.8 2.4 ? S 15:24:34 00:00:00 Fhrp  2300 0.8 2.2 ? S 15:24:52 00:00:00 ConnectedRoute  2306 0.8 2.3 ? S 15:24:53 00:00:00 RouteInput  2225 0.7 2.1 ? S 15:24:37 00:00:00 PhyEthtool  1 0.6 0.1 ? Ss 15:23:14 00:00:01 /sbin/init  2109 0.6 2.3 ? S 15:24:32 00:00:00 Bfd  2130 0.6 2.2 ? S 15:24:32 00:00:00 EventMgr  2139 0.6 2.1 ? S 15:24:32 00:00:00 StpTxRx  2172 0.6 2.0 ? S 15:24:33 00:00:00 Stp  2175 0.6 2.0 ? S 15:24:33 00:00:00 McastCommon6  2162 0.5 2.0 ? S 15:24:33 00:00:00 StpTopology  2200 0.5 2.0 ? S 15:24:35 00:00:00 TopoAgent  2089 0.4 2.1 ? S 15:24:32 00:00:00 Lldp  2110 0.4 2.0 ? S 15:24:32 00:00:00 McastCommon  2138 0.4 2.1 ? Sl 15:24:32 00:00:00 CapiApp -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2189 0.4 2.0 ? S 15:24:34 00:00:00 Qos  2305 0.4 2.0 ? S 15:24:52 00:00:00 EvpnrtrEncap  3051 0.4 0.2 ? Ssl 15:25:14 00:00:00 ntpd -u ntp:ntp -g -p /var/run/ntpd.pid  1890 0.3 2.0 ? S 15:24:02 00:00:00 StageMgr  2123 0.3 2.0 ? S 15:24:32 00:00:00 LedPolicy  2155 0.3 2.0 ? S 15:24:33 00:00:00 Tunnel  2193 0.3 1.8 ? S 15:24:34 00:00:00 Thermostat  2196 0.3 2.0 ? S 15:24:34 00:00:00 L2Rib  2216 0.3 1.8 ? S 15:24:36 00:00:00 ReloadCauseAgent  336 0.2 0.0 ? S< 15:23:28 00:00:00 [loop0]  805 0.2 0.2 ? Ss 15:23:33 00:00:00 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation  2101 0.2 2.0 ? S 15:24:32 00:00:00 PortSec  2144 0.2 1.7 ? S 15:24:32 00:00:00 AgentMonitor  2146 0.2 1.8 ? S 15:24:32 00:00:00 StandbyCpld  2170 0.2 1.8 ? S 15:24:33 00:00:00 KernelNetworkInfo  1642 0.1 0.4 ? S 15:23:47 00:00:00 netnsd-server -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2203 0.1 1.8 ? S 15:24:35 00:00:00 PowerFuse  2219 0.1 1.8 ? S 15:24:36 00:00:00 SharedSecretProfile  2972 0.1 0.2 ? S 15:25:12 00:00:00 nginx: worker process   3281 0.1 0.0 tty1 Ss+ 15:25:18 00:00:00 /sbin/agetty --noclear tty1 linux  2 0.0 0.0 ? S 15:23:14 00:00:00 [kthreadd]  3 0.0 0.0 ? S 15:23:14 00:00:00 [ksoftirqd/0]  4 0.0 0.0 ? S 15:23:14 00:00:00 [kworker/0:0]  5 0.0 0.0 ? S< 15:23:14 00:00:00 [kworker/0:0H]  6 0.0 0.0 ? S 15:23:14 00:00:00 [kworker/u30:0]  7 0.0 0.0 ? S 15:23:14 00:00:00 [rcu\_preempt]  8 0.0 0.0 ? S 15:23:14 00:00:00 [rcu\_sched]  9 0.0 0.0 ? S 15:23:14 00:00:00 [rcu\_bh]  10 0.0 0.0 ? S 15:23:14 00:00:00 [migration/0]  11 0.0 0.0 ? S< 15:23:14 00:00:00 [lru-add-drain]  12 0.0 0.0 ? S 15:23:14 00:00:00 [watchdog/0]  13 0.0 0.0 ? S 15:23:14 00:00:00 [cpuhp/0]  14 0.0 0.0 ? S 15:23:14 00:00:00 [cpuhp/1]  15 0.0 0.0 ? S 15:23:14 00:00:00 [watchdog/1]  16 0.0 0.0 ? S 15:23:14 00:00:00 [migration/1]  17 0.0 0.0 ? S 15:23:14 00:00:00 [ksoftirqd/1]  18 0.0 0.0 ? S 15:23:14 00:00:00 [kworker/1:0]  19 0.0 0.0 ? S< 15:23:14 00:00:00 [kworker/1:0H]  20 0.0 0.0 ? S 15:23:14 00:00:00 [kdevtmpfs]  21 0.0 0.0 ? S< 15:23:14 00:00:00 [netns]  22 0.0 0.0 ? S 15:23:14 00:00:00 [xenwatch]  23 0.0 0.0 ? S 15:23:14 00:00:00 [xenbus]  24 0.0 0.0 ? S 15:23:14 00:00:00 [kworker/0:1]  25 0.0 0.0 ? S 15:23:14 00:00:00 [khungtaskd]  26 0.0 0.0 ? S 15:23:14 00:00:00 [khungtaskd2]  27 0.0 0.0 ? S 15:23:14 00:00:00 [oom\_reaper]  28 0.0 0.0 ? S< 15:23:14 00:00:00 [writeback]  29 0.0 0.0 ? S 15:23:14 00:00:00 [kcompactd0]  30 0.0 0.0 ? S< 15:23:14 00:00:00 [crypto]  31 0.0 0.0 ? S< 15:23:14 00:00:00 [kintegrityd]  32 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  33 0.0 0.0 ? S< 15:23:14 00:00:00 [kblockd]  34 0.0 0.0 ? S< 15:23:14 00:00:00 [ata\_sff]  35 0.0 0.0 ? S< 15:23:14 00:00:00 [edac-poller]  36 0.0 0.0 ? S 15:23:14 00:00:00 [dst\_gc\_task]  37 0.0 0.0 ? S< 15:23:14 00:00:00 [watchdogd]  38 0.0 0.0 ? S 15:23:14 00:00:00 [kworker/1:1]  39 0.0 0.0 ? S 15:23:14 00:00:00 [arp\_cache-prd]  40 0.0 0.0 ? S 15:23:14 00:00:00 [icmp\_unreachabl]  41 0.0 0.0 ? S< 15:23:14 00:00:00 [rpciod]  42 0.0 0.0 ? S< 15:23:14 00:00:00 [xprtiod]  43 0.0 0.0 ? S 15:23:14 00:00:00 [kswapd0]  44 0.0 0.0 ? S< 15:23:14 00:00:00 [vmstat]  45 0.0 0.0 ? S< 15:23:14 00:00:00 [nfsiod]  54 0.0 0.0 ? S< 15:23:14 00:00:00 [pcielwd]  55 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  56 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  57 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  58 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  59 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  60 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  61 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  62 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  63 0.0 0.0 ? S< 15:23:14 00:00:00 [nvme]  64 0.0 0.0 ? S 15:23:14 00:00:00 [scsi\_eh\_0]  65 0.0 0.0 ? S< 15:23:14 00:00:00 [scsi\_tmf\_0]  66 0.0 0.0 ? S 15:23:14 00:00:00 [scsi\_eh\_1]  67 0.0 0.0 ? S< 15:23:14 00:00:00 [scsi\_tmf\_1]  68 0.0 0.0 ? S 15:23:14 00:00:00 [kworker/u30:1]  69 0.0 0.0 ? S 15:23:14 00:00:00 [kworker/u30:2]  70 0.0 0.0 ? S 15:23:14 00:00:00 [ndisc\_cache-prd]  71 0.0 0.0 ? S< 15:23:14 00:00:00 [ipv6\_addrconf]  72 0.0 0.0 ? S< 15:23:14 00:00:00 [ecc\_log\_wq]  73 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  146 0.0 0.0 ? S 15:23:14 00:00:00 [jbd2/xvda1-8]  147 0.0 0.0 ? S< 15:23:14 00:00:00 [ext4-rsv-conver]  248 0.0 0.0 ? S< 15:23:15 00:00:00 [kworker/0:1H]  378 0.0 0.0 ? S< 15:23:29 00:00:00 [kworker/1:1H]  410 0.0 0.0 ? S 15:23:29 00:00:00 [kworker/0:2]  482 0.0 0.0 ? Ss 15:23:30 00:00:00 /usr/lib/systemd/systemd-udevd  535 0.0 0.0 ? Ss 15:23:30 00:00:00 /usr/sbin/lvmetad -f  564 0.0 0.0 ? S 15:23:30 00:00:00 [kworker/1:2]  757 0.0 0.0 ? S 15:23:33 00:00:00 [kworker/0:3]  796 0.0 0.0 ? Ss 15:23:33 00:00:00 /usr/sbin/mcelog --ignorenodev --daemon --foreground  800 0.0 0.0 ? Ss 15:23:33 00:00:00 /usr/lib/systemd/systemd-logind  802 0.0 0.0 ? Ss 15:23:33 00:00:00 /usr/bin/ProcMonitor  810 0.0 0.0 ? Ss 15:23:33 00:00:00 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid  838 0.0 0.0 ? Ss 15:23:34 00:00:00 /usr/sbin/crond -n  843 0.0 0.0 ? S 15:23:34 00:00:00 [kworker/1:3]  877 0.0 0.0 ? S<s 15:23:34 00:00:00 /usr/bin/wdogdev -t 100  1025 0.0 0.1 ? S 15:23:35 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/local.new . && mv /mnt/flash/persist/local.new /mnt/flash/persist/local || logger -t SetupPersist Failed to update /mnt/flash/persist/local --daemon --logfile=/var/log/inotifyrun-local.log --pidfile=/var/run/inotifyrun-local.pid /persist/local  1027 0.0 0.0 pts/0 Ss+ 15:23:35 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1056 0.0 0.0 ? Ss 15:23:36 00:00:00 /usr/bin/SaveFossil --dedup --compress --priority Sysdb --maxFiles 1000 /var/tmp/Fossil /mnt/flash/Fossil  1067 0.0 0.1 ? S 15:23:36 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/sys.new . && mv /mnt/flash/persist/sys.new /mnt/flash/persist/sys || logger -t SetupPersist Failed to update /mnt/flash/persist/sys --daemon --logfile=/var/log/inotifyrun-sys.log --pidfile=/var/run/inotifyrun-sys.pid /persist/sys  1068 0.0 0.0 pts/1 Ss+ 15:23:36 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1078 0.0 0.1 ? S 15:23:36 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/secure.new . && sync && ( mv /mnt/flash/persist/secure /mnt/flash/persist/secure.old; mv /mnt/flash/persist/secure.new /mnt/flash/persist/secure; sync ) && ( scrub --no-signature /mnt/flash/persist/secure.old; rm /mnt/flash/persist/secure.old ) || logger -t SetupPersist Failed to update /mnt/flash/persist/secure --daemon --logfile=/var/log/inotifyrun-secure.log --pidfile=/var/run/inotifyrun-secure.pid /persist/secure  1079 0.0 0.0 pts/2 Ss+ 15:23:36 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1106 0.0 0.0 ? Ss 15:23:37 00:00:00 /bin/bash /usr/sbin/core\_annotate\_util daemon  1137 0.0 0.0 ? S 15:23:37 00:00:00 inotifywait -e modify /var/lib/rpm  1151 0.0 0.0 ? Ss 15:23:37 00:00:00 /mnt/flash/dropbear -R -B -p 0.0.0.0:50001  1210 0.0 0.0 ? S<s 15:23:38 00:00:00 ovs-vswitchd: monitoring pid 1211 (healthy)   1640 0.0 0.4 ? S 15:23:47 00:00:00 netnsd-watcher -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1701 0.0 1.5 ? S 15:23:48 00:00:00 ProcMgr-master  1824 0.0 0.0 ? S 15:24:01 00:00:00 /usr/bin/EosOomAdjust  1837 0.0 0.0 ? S 15:24:02 00:00:00 [rbfd\_vrf\_cleanu]  1852 0.0 0.0 ? Ss 15:24:02 00:00:00 /usr/sbin/acpid  1891 0.0 0.0 ? S 15:24:02 00:00:00 /usr/bin/SlabMonitor  2085 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=Lldp --dlopen procmgr /usr/bin/Lldp  2087 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2090 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=McastCommon --dlopen procmgr /usr/bin/McastCommon  2092 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=PortSec --dlopen procmgr /usr/bin/PortSec  2096 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=Bfd --dlopen procmgr /usr/bin/Bfd  2097 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2098 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2099 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=Lag --dlopen procmgr /usr/bin/Lag  2102 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2107 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2108 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=Ira --dlopen procmgr /usr/bin/Ira  2117 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2118 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=LedPolicy --dlopen procmgr /usr/bin/LedPolicy  2119 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2122 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=Vxlan --dlopen procmgr /usr/bin/Vxlan  2125 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=EventMgr --dlopen procmgr /usr/bin/EventMgr  2126 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2127 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=CapiApp --dlopen procmgr /usr/bin/CapiApp --ini /etc/uwsgi/CapiApp.ini  2128 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2134 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=StpTxRx --dlopen procmgr /usr/bin/StpTxRx  2136 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2137 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2140 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=StandbyCpld --dlopen procmgr /usr/bin/StandbyCpld  2141 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=AgentMonitor --dlopen procmgr /usr/bin/AgentMonitor  2142 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2143 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2147 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=Tunnel --dlopen procmgr /usr/bin/Tunnel  2149 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=Arp --dlopen procmgr /usr/bin/Arp  2152 0.0 0.3 ? Ss 15:24:33 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2154 0.0 0.3 ? Ss 15:24:33 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2157 0.0 0.0 ? S 15:24:33 00:00:00 netns --agenttitle=StpTopology --dlopen procmgr /usr/bin/StpTopology  2159 0.0 0.0 ? S 15:24:33 00:00:00 netns --agenttitle=Acl --dlopen procmgr /usr/bin/Acl  2161 0.0 0.3 ? Ss 15:24:33 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2163 0.0 0.3 ? Ss 15:24:33 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2165 0.0 0.0 ? S 15:24:33 00:00:00 netns --agenttitle=Stp --dlopen procmgr /usr/bin/Stp  2166 0.0 0.3 ? Ss 15:24:33 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2167 0.0 0.0 ? S 15:24:33 00:00:00 netns --agenttitle=KernelNetworkInfo --dlopen procmgr /usr/bin/KernelNetworkInfo  2169 0.0 0.3 ? Ss 15:24:33 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2171 0.0 0.0 ? S 15:24:33 00:00:00 netns --agenttitle=McastCommon6 --dlopen procmgr /usr/bin/McastCommon6  2173 0.0 0.3 ? Ss 15:24:33 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2174 0.0 0.0 ? S 15:24:33 00:00:00 netns --agenttitle=LacpTxAgent --dlopen procmgr /usr/bin/LacpTxAgent  2176 0.0 0.3 ? Ss 15:24:34 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2178 0.0 0.0 ? S 15:24:33 00:00:00 netns --agenttitle=Fhrp --dlopen procmgr /usr/bin/Fhrp --scheduled  2180 0.0 0.0 ? S 15:24:34 00:00:00 netns --agenttitle=KernelFib --dlopen procmgr /usr/bin/KernelFib  2181 0.0 0.3 ? Ss 15:24:34 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2183 0.0 0.0 ? S 15:24:34 00:00:00 netns --agenttitle=Qos --dlopen procmgr /usr/bin/Qos  2185 0.0 0.3 ? Ss 15:24:34 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2186 0.0 0.0 ? S 15:24:34 00:00:00 netns --agenttitle=Thermostat --dlopen procmgr /usr/bin/Thermostat  2188 0.0 0.3 ? Ss 15:24:34 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2190 0.0 0.3 ? Ss 15:24:34 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2194 0.0 0.0 ? S 15:24:34 00:00:00 netns --agenttitle=L2Rib --dlopen procmgr /usr/bin/L2Rib  2195 0.0 0.3 ? Ss 15:24:34 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2197 0.0 0.0 ? S 15:24:34 00:00:00 netns --agenttitle=TopoAgent --dlopen procmgr /usr/bin/TopoAgent --scheduled  2198 0.0 0.3 ? Ss 15:24:35 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2201 0.0 0.0 ? S 15:24:35 00:00:00 netns --agenttitle=PowerFuse --dlopen procmgr /usr/bin/PowerFuse  2202 0.0 0.3 ? Ss 15:24:35 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2206 0.0 0.0 ? S 15:24:35 00:00:00 netns --agenttitle=VxlanSwFwd --dlopen procmgr /usr/bin/VxlanSwFwd  2207 0.0 0.3 ? Ss 15:24:35 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2208 0.0 0.0 ? S 15:24:35 00:00:00 netns --agenttitle=Ebra --dlopen procmgr /usr/bin/Ebra  2210 0.0 0.0 ? S 15:24:36 00:00:00 netns --agenttitle=ReloadCauseAgent --dlopen procmgr /usr/bin/ReloadCauseAgent  2212 0.0 0.3 ? Ss 15:24:36 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2213 0.0 0.3 ? Ss 15:24:36 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2214 0.0 0.0 ? S 15:24:36 00:00:00 netns --agenttitle=SharedSecretProfile --dlopen procmgr /usr/bin/SharedSecretProfile  2217 0.0 0.3 ? Ss 15:24:36 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2280 0.0 0.0 ? S 15:24:49 00:00:00 netns --agenttitle=StaticRoute --dlopen procmgr /usr/bin/StaticRoute --scheduled  2284 0.0 0.3 ? Ss 15:24:50 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2288 0.0 0.0 ? S 15:24:50 00:00:00 netns --agenttitle=IpRib --dlopen procmgr /usr/bin/IpRib --scheduled  2290 0.0 0.3 ? Ss 15:24:51 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2294 0.0 0.0 ? S 15:24:51 00:00:00 netns --agenttitle=ConnectedRoute --dlopen procmgr /usr/bin/ConnectedRoute  2297 0.0 0.3 ? Ss 15:24:52 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2298 0.0 0.0 ? S 15:24:52 00:00:00 netns --agenttitle=RouteInput --dlopen procmgr /usr/bin/RouteInput  2304 0.0 0.3 ? Ss 15:24:52 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2872 0.0 0.1 ? Ssl 15:25:11 00:00:00 /usr/sbin/rsyslogd -n  2911 0.0 0.0 ? S 15:25:12 00:00:00 /usr/sbin/dnsmasq  2970 0.0 0.0 ? Ss 15:25:12 00:00:00 nginx: master process /usr/sbin/nginx -c /etc/nginx/nginx.conf -g pid /var/run/nginx.pid;  3279 0.0 0.0 ? S 15:25:18 00:00:00 /usr/bin/conlogd  3280 0.0 0.0 ttyS0 Ss+ 15:25:18 00:00:00 /sbin/mingetty --noclear /dev/ttyS0  3283 0.0 0.0 ? S 15:25:18 00:00:00 sh -c /usr/bin/tail -n 0 --retry --follow=name --pid=3279 /var/log/eos-console | sed 's/\(.\*\)/\1\r/'  3285 0.0 0.0 ? S 15:25:18 00:00:00 /usr/bin/tail -n 0 --retry --follow=name --pid=3279 /var/log/eos-console  3286 0.0 0.0 ? S 15:25:18 00:00:00 sed s/\(.\*\)/\1\r/  3445 0.0 0.0 ? Rs 15:25:56 00:00:00 ps -e -o pid,pcpu,pmem,tt,stat,lstart,start,time,cmd --sort=-pcpu -ww . |

## 3.3 Test Case: Test 5 min cpu utlization

### 3.3.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 3 |
| Name | test\_5\_min\_cpu\_utlization\_on\_ |
| Description | Verify 5 minute CPU % is under specificied value |
| Device under test | BL1 |
| Show command | show processes |
| Expected output | 10 |
| Actual output | 0.81 |
| Test result | True |
| Fail reason |  |
| Comment | TEST if 5 minute CPU utilization is less than specified value on |BL1|. GIVEN CPU utilization is less than |10|. WHEN CPU utilization is |0.81|. THEN test case result is |True|. OUTPUT of |show processes| is :   15:25:57 up 2 min, 0 users, load average: 4.68, 2.15, 0.81  PID %CPU %MEM TT STAT STARTED TIME CMD  1892 22.7 7.8 ? Sl 15:24:02 00:00:25 ConfigAgent  1894 4.9 4.0 ? S 15:24:02 00:00:05 Sysdb  2094 4.6 2.4 ? Sl 15:24:32 00:00:03 /usr/bin/TerminAttr -ingestgrpcurl=192.168.0.5:9910 -cvcompression=gzip -ingestauth=key,1a38fe7df56879d685e51b6f0ff86327 -smashexcludes=ale,flexCounter,hardware,kni,pulse,strata -ingestexclude=/Sysdb/cell/1/agent,/Sysdb/cell/2/agent -taillogs  2313 4.6 4.2 ? Sl 15:24:53 00:00:02 Bgp  2226 3.8 3.3 ? S 15:24:37 00:00:03 Etba  2106 3.2 2.7 ? S 15:24:32 00:00:02 SuperServer  2291 3.1 2.3 ? S 15:24:51 00:00:02 BgpCliHelper  2218 2.0 2.5 ? S 15:24:36 00:00:01 IgmpSnooping  2292 2.0 2.9 ? S 15:24:51 00:00:01 IpRib  2164 1.7 2.4 ? S 15:24:33 00:00:01 Acl  1211 1.6 0.9 ? S<Ll 15:23:38 00:00:02 ovs-vswitchd unix:/var/run/openvswitch/db.sock -vconsole:emer -vsyslog:err -vfile:info --mlockall --no-chdir --log-file=/var/log/openvswitch/ovs-vswitchd.log --pidfile=/var/run/openvswitch/ovs-vswitchd.pid --detach --monitor  2156 1.6 2.3 ? Sl 15:24:33 00:00:01 Aaa  2158 1.6 2.6 ? Sl 15:24:33 00:00:01 Arp  2179 1.5 2.1 ? S 15:24:34 00:00:01 LacpTxAgent  2209 1.3 2.3 ? S 15:24:35 00:00:01 VxlanSwFwd  2215 1.3 2.4 ? S 15:24:36 00:00:01 Ebra  1702 1.2 0.6 ? S 15:23:48 00:00:01 ProcMgr-worker  2113 1.2 2.4 ? S 15:24:32 00:00:01 Lag  2120 1.2 2.6 ? S 15:24:32 00:00:01 Ira  2131 1.1 2.4 ? S 15:24:32 00:00:00 Vxlan  1895 1.0 2.6 ? S 15:24:02 00:00:01 Launcher  2187 1.0 2.4 ? S 15:24:34 00:00:00 KernelFib  2286 1.0 2.4 ? S 15:24:50 00:00:00 StaticRoute  1893 0.8 2.4 ? S 15:24:02 00:00:00 Fru  2184 0.8 2.4 ? S 15:24:34 00:00:00 Fhrp  2300 0.8 2.2 ? S 15:24:52 00:00:00 ConnectedRoute  2306 0.8 2.3 ? S 15:24:53 00:00:00 RouteInput  2225 0.7 2.1 ? S 15:24:37 00:00:00 PhyEthtool  1 0.6 0.1 ? Ss 15:23:14 00:00:01 /sbin/init  2109 0.6 2.3 ? S 15:24:32 00:00:00 Bfd  2130 0.6 2.2 ? S 15:24:32 00:00:00 EventMgr  2139 0.6 2.1 ? S 15:24:32 00:00:00 StpTxRx  2172 0.6 2.0 ? S 15:24:33 00:00:00 Stp  2175 0.6 2.0 ? S 15:24:33 00:00:00 McastCommon6  2162 0.5 2.0 ? S 15:24:33 00:00:00 StpTopology  2200 0.5 2.0 ? S 15:24:35 00:00:00 TopoAgent  2089 0.4 2.1 ? S 15:24:32 00:00:00 Lldp  2110 0.4 2.0 ? S 15:24:32 00:00:00 McastCommon  2138 0.4 2.1 ? Sl 15:24:32 00:00:00 CapiApp -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2189 0.4 2.0 ? S 15:24:34 00:00:00 Qos  2305 0.4 2.0 ? S 15:24:52 00:00:00 EvpnrtrEncap  3051 0.4 0.2 ? Ssl 15:25:14 00:00:00 ntpd -u ntp:ntp -g -p /var/run/ntpd.pid  1890 0.3 2.0 ? S 15:24:02 00:00:00 StageMgr  2123 0.3 2.0 ? S 15:24:32 00:00:00 LedPolicy  2155 0.3 2.0 ? S 15:24:33 00:00:00 Tunnel  2193 0.3 1.8 ? S 15:24:34 00:00:00 Thermostat  2196 0.3 2.0 ? S 15:24:34 00:00:00 L2Rib  2216 0.3 1.8 ? S 15:24:36 00:00:00 ReloadCauseAgent  336 0.2 0.0 ? S< 15:23:28 00:00:00 [loop0]  805 0.2 0.2 ? Ss 15:23:33 00:00:00 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation  2101 0.2 2.0 ? S 15:24:32 00:00:00 PortSec  2144 0.2 1.7 ? S 15:24:32 00:00:00 AgentMonitor  2146 0.2 1.8 ? S 15:24:32 00:00:00 StandbyCpld  2170 0.2 1.8 ? S 15:24:33 00:00:00 KernelNetworkInfo  1642 0.1 0.4 ? S 15:23:47 00:00:00 netnsd-server -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2203 0.1 1.8 ? S 15:24:35 00:00:00 PowerFuse  2219 0.1 1.8 ? S 15:24:36 00:00:00 SharedSecretProfile  2972 0.1 0.2 ? S 15:25:12 00:00:00 nginx: worker process   3281 0.1 0.0 tty1 Ss+ 15:25:18 00:00:00 /sbin/agetty --noclear tty1 linux  2 0.0 0.0 ? S 15:23:14 00:00:00 [kthreadd]  3 0.0 0.0 ? S 15:23:14 00:00:00 [ksoftirqd/0]  4 0.0 0.0 ? S 15:23:14 00:00:00 [kworker/0:0]  5 0.0 0.0 ? S< 15:23:14 00:00:00 [kworker/0:0H]  6 0.0 0.0 ? S 15:23:14 00:00:00 [kworker/u30:0]  7 0.0 0.0 ? S 15:23:14 00:00:00 [rcu\_preempt]  8 0.0 0.0 ? S 15:23:14 00:00:00 [rcu\_sched]  9 0.0 0.0 ? S 15:23:14 00:00:00 [rcu\_bh]  10 0.0 0.0 ? S 15:23:14 00:00:00 [migration/0]  11 0.0 0.0 ? S< 15:23:14 00:00:00 [lru-add-drain]  12 0.0 0.0 ? S 15:23:14 00:00:00 [watchdog/0]  13 0.0 0.0 ? S 15:23:14 00:00:00 [cpuhp/0]  14 0.0 0.0 ? S 15:23:14 00:00:00 [cpuhp/1]  15 0.0 0.0 ? S 15:23:14 00:00:00 [watchdog/1]  16 0.0 0.0 ? S 15:23:14 00:00:00 [migration/1]  17 0.0 0.0 ? S 15:23:14 00:00:00 [ksoftirqd/1]  18 0.0 0.0 ? S 15:23:14 00:00:00 [kworker/1:0]  19 0.0 0.0 ? S< 15:23:14 00:00:00 [kworker/1:0H]  20 0.0 0.0 ? S 15:23:14 00:00:00 [kdevtmpfs]  21 0.0 0.0 ? S< 15:23:14 00:00:00 [netns]  22 0.0 0.0 ? S 15:23:14 00:00:00 [xenwatch]  23 0.0 0.0 ? S 15:23:14 00:00:00 [xenbus]  24 0.0 0.0 ? S 15:23:14 00:00:00 [kworker/0:1]  25 0.0 0.0 ? S 15:23:14 00:00:00 [khungtaskd]  26 0.0 0.0 ? S 15:23:14 00:00:00 [khungtaskd2]  27 0.0 0.0 ? S 15:23:14 00:00:00 [oom\_reaper]  28 0.0 0.0 ? S< 15:23:14 00:00:00 [writeback]  29 0.0 0.0 ? S 15:23:14 00:00:00 [kcompactd0]  30 0.0 0.0 ? S< 15:23:14 00:00:00 [crypto]  31 0.0 0.0 ? S< 15:23:14 00:00:00 [kintegrityd]  32 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  33 0.0 0.0 ? S< 15:23:14 00:00:00 [kblockd]  34 0.0 0.0 ? S< 15:23:14 00:00:00 [ata\_sff]  35 0.0 0.0 ? S< 15:23:14 00:00:00 [edac-poller]  36 0.0 0.0 ? S 15:23:14 00:00:00 [dst\_gc\_task]  37 0.0 0.0 ? S< 15:23:14 00:00:00 [watchdogd]  38 0.0 0.0 ? S 15:23:14 00:00:00 [kworker/1:1]  39 0.0 0.0 ? S 15:23:14 00:00:00 [arp\_cache-prd]  40 0.0 0.0 ? S 15:23:14 00:00:00 [icmp\_unreachabl]  41 0.0 0.0 ? S< 15:23:14 00:00:00 [rpciod]  42 0.0 0.0 ? S< 15:23:14 00:00:00 [xprtiod]  43 0.0 0.0 ? S 15:23:14 00:00:00 [kswapd0]  44 0.0 0.0 ? S< 15:23:14 00:00:00 [vmstat]  45 0.0 0.0 ? S< 15:23:14 00:00:00 [nfsiod]  54 0.0 0.0 ? S< 15:23:14 00:00:00 [pcielwd]  55 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  56 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  57 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  58 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  59 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  60 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  61 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  62 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  63 0.0 0.0 ? S< 15:23:14 00:00:00 [nvme]  64 0.0 0.0 ? S 15:23:14 00:00:00 [scsi\_eh\_0]  65 0.0 0.0 ? S< 15:23:14 00:00:00 [scsi\_tmf\_0]  66 0.0 0.0 ? S 15:23:14 00:00:00 [scsi\_eh\_1]  67 0.0 0.0 ? S< 15:23:14 00:00:00 [scsi\_tmf\_1]  68 0.0 0.0 ? S 15:23:14 00:00:00 [kworker/u30:1]  69 0.0 0.0 ? S 15:23:14 00:00:00 [kworker/u30:2]  70 0.0 0.0 ? S 15:23:14 00:00:00 [ndisc\_cache-prd]  71 0.0 0.0 ? S< 15:23:14 00:00:00 [ipv6\_addrconf]  72 0.0 0.0 ? S< 15:23:14 00:00:00 [ecc\_log\_wq]  73 0.0 0.0 ? S< 15:23:14 00:00:00 [bioset]  146 0.0 0.0 ? S 15:23:14 00:00:00 [jbd2/xvda1-8]  147 0.0 0.0 ? S< 15:23:14 00:00:00 [ext4-rsv-conver]  248 0.0 0.0 ? S< 15:23:15 00:00:00 [kworker/0:1H]  378 0.0 0.0 ? S< 15:23:29 00:00:00 [kworker/1:1H]  410 0.0 0.0 ? S 15:23:29 00:00:00 [kworker/0:2]  482 0.0 0.0 ? Ss 15:23:30 00:00:00 /usr/lib/systemd/systemd-udevd  535 0.0 0.0 ? Ss 15:23:30 00:00:00 /usr/sbin/lvmetad -f  564 0.0 0.0 ? S 15:23:30 00:00:00 [kworker/1:2]  757 0.0 0.0 ? S 15:23:33 00:00:00 [kworker/0:3]  796 0.0 0.0 ? Ss 15:23:33 00:00:00 /usr/sbin/mcelog --ignorenodev --daemon --foreground  800 0.0 0.0 ? Ss 15:23:33 00:00:00 /usr/lib/systemd/systemd-logind  802 0.0 0.0 ? Ss 15:23:33 00:00:00 /usr/bin/ProcMonitor  810 0.0 0.0 ? Ss 15:23:33 00:00:00 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid  838 0.0 0.0 ? Ss 15:23:34 00:00:00 /usr/sbin/crond -n  843 0.0 0.0 ? S 15:23:34 00:00:00 [kworker/1:3]  877 0.0 0.0 ? S<s 15:23:34 00:00:00 /usr/bin/wdogdev -t 100  1025 0.0 0.1 ? S 15:23:35 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/local.new . && mv /mnt/flash/persist/local.new /mnt/flash/persist/local || logger -t SetupPersist Failed to update /mnt/flash/persist/local --daemon --logfile=/var/log/inotifyrun-local.log --pidfile=/var/run/inotifyrun-local.pid /persist/local  1027 0.0 0.0 pts/0 Ss+ 15:23:35 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1056 0.0 0.0 ? Ss 15:23:36 00:00:00 /usr/bin/SaveFossil --dedup --compress --priority Sysdb --maxFiles 1000 /var/tmp/Fossil /mnt/flash/Fossil  1067 0.0 0.1 ? S 15:23:36 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/sys.new . && mv /mnt/flash/persist/sys.new /mnt/flash/persist/sys || logger -t SetupPersist Failed to update /mnt/flash/persist/sys --daemon --logfile=/var/log/inotifyrun-sys.log --pidfile=/var/run/inotifyrun-sys.pid /persist/sys  1068 0.0 0.0 pts/1 Ss+ 15:23:36 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1078 0.0 0.1 ? S 15:23:36 00:00:00 python /usr/bin/inotifyrun -c pax -x sv4cpio -O -w -f /mnt/flash/persist/secure.new . && sync && ( mv /mnt/flash/persist/secure /mnt/flash/persist/secure.old; mv /mnt/flash/persist/secure.new /mnt/flash/persist/secure; sync ) && ( scrub --no-signature /mnt/flash/persist/secure.old; rm /mnt/flash/persist/secure.old ) || logger -t SetupPersist Failed to update /mnt/flash/persist/secure --daemon --logfile=/var/log/inotifyrun-secure.log --pidfile=/var/run/inotifyrun-secure.pid /persist/secure  1079 0.0 0.0 pts/2 Ss+ 15:23:36 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1106 0.0 0.0 ? Ss 15:23:37 00:00:00 /bin/bash /usr/sbin/core\_annotate\_util daemon  1137 0.0 0.0 ? S 15:23:37 00:00:00 inotifywait -e modify /var/lib/rpm  1151 0.0 0.0 ? Ss 15:23:37 00:00:00 /mnt/flash/dropbear -R -B -p 0.0.0.0:50001  1210 0.0 0.0 ? S<s 15:23:38 00:00:00 ovs-vswitchd: monitoring pid 1211 (healthy)   1640 0.0 0.4 ? S 15:23:47 00:00:00 netnsd-watcher -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1701 0.0 1.5 ? S 15:23:48 00:00:00 ProcMgr-master  1824 0.0 0.0 ? S 15:24:01 00:00:00 /usr/bin/EosOomAdjust  1837 0.0 0.0 ? S 15:24:02 00:00:00 [rbfd\_vrf\_cleanu]  1852 0.0 0.0 ? Ss 15:24:02 00:00:00 /usr/sbin/acpid  1891 0.0 0.0 ? S 15:24:02 00:00:00 /usr/bin/SlabMonitor  2085 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=Lldp --dlopen procmgr /usr/bin/Lldp  2087 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2090 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=McastCommon --dlopen procmgr /usr/bin/McastCommon  2092 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=PortSec --dlopen procmgr /usr/bin/PortSec  2096 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=Bfd --dlopen procmgr /usr/bin/Bfd  2097 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2098 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2099 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=Lag --dlopen procmgr /usr/bin/Lag  2102 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2107 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2108 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=Ira --dlopen procmgr /usr/bin/Ira  2117 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2118 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=LedPolicy --dlopen procmgr /usr/bin/LedPolicy  2119 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2122 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=Vxlan --dlopen procmgr /usr/bin/Vxlan  2125 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=EventMgr --dlopen procmgr /usr/bin/EventMgr  2126 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2127 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=CapiApp --dlopen procmgr /usr/bin/CapiApp --ini /etc/uwsgi/CapiApp.ini  2128 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2134 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=StpTxRx --dlopen procmgr /usr/bin/StpTxRx  2136 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2137 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2140 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=StandbyCpld --dlopen procmgr /usr/bin/StandbyCpld  2141 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=AgentMonitor --dlopen procmgr /usr/bin/AgentMonitor  2142 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2143 0.0 0.3 ? Ss 15:24:32 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2147 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=Tunnel --dlopen procmgr /usr/bin/Tunnel  2149 0.0 0.0 ? S 15:24:32 00:00:00 netns --agenttitle=Arp --dlopen procmgr /usr/bin/Arp  2152 0.0 0.3 ? Ss 15:24:33 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2154 0.0 0.3 ? Ss 15:24:33 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2157 0.0 0.0 ? S 15:24:33 00:00:00 netns --agenttitle=StpTopology --dlopen procmgr /usr/bin/StpTopology  2159 0.0 0.0 ? S 15:24:33 00:00:00 netns --agenttitle=Acl --dlopen procmgr /usr/bin/Acl  2161 0.0 0.3 ? Ss 15:24:33 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2163 0.0 0.3 ? Ss 15:24:33 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2165 0.0 0.0 ? S 15:24:33 00:00:00 netns --agenttitle=Stp --dlopen procmgr /usr/bin/Stp  2166 0.0 0.3 ? Ss 15:24:33 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2167 0.0 0.0 ? S 15:24:33 00:00:00 netns --agenttitle=KernelNetworkInfo --dlopen procmgr /usr/bin/KernelNetworkInfo  2169 0.0 0.3 ? Ss 15:24:33 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2171 0.0 0.0 ? S 15:24:33 00:00:00 netns --agenttitle=McastCommon6 --dlopen procmgr /usr/bin/McastCommon6  2173 0.0 0.3 ? Ss 15:24:33 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2174 0.0 0.0 ? S 15:24:33 00:00:00 netns --agenttitle=LacpTxAgent --dlopen procmgr /usr/bin/LacpTxAgent  2176 0.0 0.3 ? Ss 15:24:34 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2178 0.0 0.0 ? S 15:24:33 00:00:00 netns --agenttitle=Fhrp --dlopen procmgr /usr/bin/Fhrp --scheduled  2180 0.0 0.0 ? S 15:24:34 00:00:00 netns --agenttitle=KernelFib --dlopen procmgr /usr/bin/KernelFib  2181 0.0 0.3 ? Ss 15:24:34 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2183 0.0 0.0 ? S 15:24:34 00:00:00 netns --agenttitle=Qos --dlopen procmgr /usr/bin/Qos  2185 0.0 0.3 ? Ss 15:24:34 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2186 0.0 0.0 ? S 15:24:34 00:00:00 netns --agenttitle=Thermostat --dlopen procmgr /usr/bin/Thermostat  2188 0.0 0.3 ? Ss 15:24:34 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2190 0.0 0.3 ? Ss 15:24:34 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2194 0.0 0.0 ? S 15:24:34 00:00:00 netns --agenttitle=L2Rib --dlopen procmgr /usr/bin/L2Rib  2195 0.0 0.3 ? Ss 15:24:34 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2197 0.0 0.0 ? S 15:24:34 00:00:00 netns --agenttitle=TopoAgent --dlopen procmgr /usr/bin/TopoAgent --scheduled  2198 0.0 0.3 ? Ss 15:24:35 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2201 0.0 0.0 ? S 15:24:35 00:00:00 netns --agenttitle=PowerFuse --dlopen procmgr /usr/bin/PowerFuse  2202 0.0 0.3 ? Ss 15:24:35 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2206 0.0 0.0 ? S 15:24:35 00:00:00 netns --agenttitle=VxlanSwFwd --dlopen procmgr /usr/bin/VxlanSwFwd  2207 0.0 0.3 ? Ss 15:24:35 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2208 0.0 0.0 ? S 15:24:35 00:00:00 netns --agenttitle=Ebra --dlopen procmgr /usr/bin/Ebra  2210 0.0 0.0 ? S 15:24:36 00:00:00 netns --agenttitle=ReloadCauseAgent --dlopen procmgr /usr/bin/ReloadCauseAgent  2212 0.0 0.3 ? Ss 15:24:36 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2213 0.0 0.3 ? Ss 15:24:36 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2214 0.0 0.0 ? S 15:24:36 00:00:00 netns --agenttitle=SharedSecretProfile --dlopen procmgr /usr/bin/SharedSecretProfile  2217 0.0 0.3 ? Ss 15:24:36 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2280 0.0 0.0 ? S 15:24:49 00:00:00 netns --agenttitle=StaticRoute --dlopen procmgr /usr/bin/StaticRoute --scheduled  2284 0.0 0.3 ? Ss 15:24:50 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2288 0.0 0.0 ? S 15:24:50 00:00:00 netns --agenttitle=IpRib --dlopen procmgr /usr/bin/IpRib --scheduled  2290 0.0 0.3 ? Ss 15:24:51 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2294 0.0 0.0 ? S 15:24:51 00:00:00 netns --agenttitle=ConnectedRoute --dlopen procmgr /usr/bin/ConnectedRoute  2297 0.0 0.3 ? Ss 15:24:52 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2298 0.0 0.0 ? S 15:24:52 00:00:00 netns --agenttitle=RouteInput --dlopen procmgr /usr/bin/RouteInput  2304 0.0 0.3 ? Ss 15:24:52 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2872 0.0 0.1 ? Ssl 15:25:11 00:00:00 /usr/sbin/rsyslogd -n  2911 0.0 0.0 ? S 15:25:12 00:00:00 /usr/sbin/dnsmasq  2970 0.0 0.0 ? Ss 15:25:12 00:00:00 nginx: master process /usr/sbin/nginx -c /etc/nginx/nginx.conf -g pid /var/run/nginx.pid;  3279 0.0 0.0 ? S 15:25:18 00:00:00 /usr/bin/conlogd  3280 0.0 0.0 ttyS0 Ss+ 15:25:18 00:00:00 /sbin/mingetty --noclear /dev/ttyS0  3283 0.0 0.0 ? S 15:25:18 00:00:00 sh -c /usr/bin/tail -n 0 --retry --follow=name --pid=3279 /var/log/eos-console | sed 's/\(.\*\)/\1\r/'  3285 0.0 0.0 ? S 15:25:18 00:00:00 /usr/bin/tail -n 0 --retry --follow=name --pid=3279 /var/log/eos-console  3286 0.0 0.0 ? S 15:25:18 00:00:00 sed s/\(.\*\)/\1\r/  3445 0.0 0.0 ? Rs 15:25:56 00:00:00 ps -e -o pid,pcpu,pmem,tt,stat,lstart,start,time,cmd --sort=-pcpu -ww . |

# 4. Detailed Test Suite Results: Ztp

## 4.1 Test Case: Test for zerotouch config file

### 4.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 4 |
| Name | test\_for\_zerotouch\_config\_file\_on\_ |
| Description | Verify zerotoucn-config file is on flash |
| Device under test | BL1 |
| Show command | dir flash:zerotouch-config |
| Expected output | True |
| Actual output | True |
| Test result | True |
| Fail reason |  |
| Comment | TEST is ZTP configuration file on |BL1|. GIVEN ZTP configuration file is |True|. WHEN ZTP configuration file is |True|. THEN test case result is |True|. OUTPUT of |dir flash:zerotouch-config| is :  Directory of flash:/zerotouch-config   -rw- 13 Aug 12 2020 zerotouch-config  8319852544 bytes total (7341469696 bytes free) |

## 4.2 Test Case: Test if zerotouch is disabled

### 4.2.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 5 |
| Name | test\_if\_zerotouch\_is\_disabled\_on\_ |
| Description | Verify local log messages |
| Device under test | BL1 |
| Show command | show zerotouch |
| Expected output | disabled |
| Actual output | disabled |
| Test result | True |
| Fail reason |  |
| Comment | TEST is ZTP disabled on |BL1|. GIVEN ZTP state is |disabled|. WHEN ZTP state is |disabled|. THEN test case result is |True|. OUTPUT of |show zerotouch| is :   ZeroTouch Mode: Disabled Script Exec Timeout: 900 |

# 5. Detailed Test Suite Results: Daemon

## 5.1 Test Case: Test if daemons are enabled

### 5.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 6 |
| Name | test\_if\_daemons\_are\_enabled\_on\_ |
| Description | Verify a list of daemons are enabled on DUT |
| Device under test | BL1 |
| Show command | show daemon |
| Expected output | [True] |
| Actual output | [True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST is TerminAttr daemon enabled on |BL1|. GIVEN expected TerminAttr enabled state: |True|. WHEN TerminAttr device enabled state is |True|. THEN test case result is |True|. OUTPUT of |show daemon| is :  Process: TerminAttr (running with PID 2094) Uptime: 0:01:24 (Start time: Thu Feb 24 15:24:33 2022) No configuration options stored.  No status data stored.  . |

## 5.2 Test Case: Test if daemons are running

### 5.2.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 7 |
| Name | test\_if\_daemons\_are\_running\_on\_ |
| Description | Verify a list of daemons are running on DUT |
| Device under test | BL1 |
| Show command | show daemon |
| Expected output | [True] |
| Actual output | [True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST is TerminAttr daemon running on |BL1|. GIVEN expected TerminAttr running state: |True|. WHEN TerminAttr device running state is |True|. THEN test case result is |True|. OUTPUT of |show daemon| is :  Process: TerminAttr (running with PID 2094) Uptime: 0:01:24 (Start time: Thu Feb 24 15:24:33 2022) No configuration options stored.  No status data stored.  . |

# 6. Detailed Test Suite Results: System

## 6.1 Test Case: Test if eos version is correct

### 6.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 8 |
| Name | test\_if\_eos\_version\_is\_correct\_on\_ |
| Description | Verifies EOS version running on the device |
| Device under test | BL1 |
| Show command | show version |
| Expected output | 4.24.0FX-cloud |
| Actual output | 4.24.2F |
| Test result | False |
| Fail reason | On router |BL1| EOS version is |4.24.2F%|, version should be |4.24.0FX-cloud%| |
| Comment | TEST EOS version running on the device on |BL1|. GIVEN version is |4.24.0FX-cloud|. WHEN version is |4.24.2F|. THEN test case result is |False|. OUTPUT of |show version| is:   vEOS Hardware version:  Serial number:  Hardware MAC address: d40e.13c9.79dd System MAC address: d40e.13c9.79dd  Software image version: 4.24.2F Architecture: i686 Internal build version: 4.24.2F-18436385.4242F Internal build ID: 03cdce3a-550e-46a8-88e5-4b27656fd2e5  Uptime: 0 weeks, 0 days, 0 hours and 2 minutes Total memory: 4006912 kB Free memory: 3011388 kB |

## 6.2 Test Case: Test if there is agents have crashed

### 6.2.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 9 |
| Name | test\_if\_there\_is\_agents\_have\_crashed\_on\_ |
| Description | Verifies the agents logs crash is empty |
| Device under test | BL1 |
| Show command | None |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |
| Comment | TEST number of agent crashes on |BL1|. GIVEN |0| agent crashes. WHEN |0| agent crashes. THEN test case result is |True|. OUTPUT of |show agent logs crash| is: . |

# 7. Detailed Test Suite Results: Extension

## 7.1 Test Case: Test if extensions are erroring

### 7.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 10 |
| Name | test\_if\_extensions\_are\_erroring\_on\_ |
| Description | Verify a list of extension are not erroring on a DUT |
| Device under test | BL1 |
| Show command | show extensions |
| Expected output | [False, False] |
| Actual output | [None, None] |
| Test result | False |
| Fail reason | On router |BL1| extension |awslogs.swix| error status is |None|, correct error status is |False|.  On router |BL1| extension |awsha.rpm| error status is |None|, correct error status is |False|. |
| Comment | TEST is awslogs.swix extension not erroring on |BL1|. GIVEN awslogs.swix extenstion error state is |False|. WHEN awslogs.swix extenstion error state is |None|. THEN test case result is |False|. OUTPUT of |show extensions| is: ! No extensions are available The extensions are stored on internal flash (flash:) . TEST is awsha.rpm extension not erroring on |BL1|. GIVEN awsha.rpm extenstion error state is |False|. WHEN awsha.rpm extenstion error state is |None|. THEN test case result is |False|. OUTPUT of |show extensions| is: ! No extensions are available The extensions are stored on internal flash (flash:) . |

## 7.2 Test Case: Test if extensions are installed

### 7.2.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 11 |
| Name | test\_if\_extensions\_are\_installed\_on\_ |
| Description | Verify a list of extension are installed on a DUT |
| Device under test | BL1 |
| Show command | show extensions |
| Expected output | ['installed', 'installed', 'installed'] |
| Actual output | [None, None, None] |
| Test result | False |
| Fail reason | On router |BL1| extension |awslogs.swix| status is |None|, correct status is |installed|.  On router |BL1| extension |awsha.rpm| status is |None|, correct status is |installed|.  On router |BL1| extension |twamp.rpm| status is |None|, correct status is |installed|. |
| Comment | TEST is awslogs.swix extension installed on |BL1|. GIVEN awslogs.swix extenstion installation state is |installed|. WHEN awslogs.swix extenstion installation state is |None|. THEN test case result is |False|. OUTPUT of |show extensions| is: ! No extensions are available The extensions are stored on internal flash (flash:) . TEST is awsha.rpm extension installed on |BL1|. GIVEN awsha.rpm extenstion installation state is |installed|. WHEN awsha.rpm extenstion installation state is |None|. THEN test case result is |False|. OUTPUT of |show extensions| is: ! No extensions are available The extensions are stored on internal flash (flash:) . TEST is twamp.rpm extension installed on |BL1|. GIVEN twamp.rpm extenstion installation state is |installed|. WHEN twamp.rpm extenstion installation state is |None|. THEN test case result is |False|. OUTPUT of |show extensions| is: ! No extensions are available The extensions are stored on internal flash (flash:) . |

# 8. Detailed Test Suite Results: Filesystem

## 8.1 Test Case: Test if files

### 8.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 12 |
| Name | test\_if\_files\_on\_ |
| Description | Verify filesystem is correct and expected files are present |
| Device under test | BL1 |
| Show command | None |
| Expected output | [False, False, False] |
| Actual output | [False, False, False] |
| Test result | True |
| Fail reason |  |
| Comment | TEST is flash:startup-config file present on |BL1|. GIVEN flash:startup-config file isDir state is: |False|. WHEN flash:startup-config file isDir state is |False|. THEN test case result is |True|. OUTPUT of |show file information flash:startup-config| is :  [{'output': 'flash:/startup-config:\n type is file\n'}]. TEST is flash:veos-config file present on |BL1|. GIVEN flash:veos-config file isDir state is: |False|. WHEN flash:veos-config file isDir state is |False|. THEN test case result is |True|. OUTPUT of |show file information flash:veos-config| is :  [{'output': 'flash:/veos-config:\n type is file\n'}]. TEST is flash:zerotouch-config file present on |BL1|. GIVEN flash:zerotouch-config file isDir state is: |False|. WHEN flash:zerotouch-config file isDir state is |False|. THEN test case result is |True|. OUTPUT of |show file information flash:zerotouch-config| is :  [{'output': 'flash:/zerotouch-config:\n type is file\n'}]. |

# 9. Detailed Test Suite Results: Host

## 9.1 Test Case: Test if hostname is correcet

### 9.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 13 |
| Name | test\_if\_hostname\_is\_correcet\_on\_ |
| Description | Verify hostname is set on device is correct |
| Device under test | BL1 |
| Show command | show hostname |
| Expected output | BL1 |
| Actual output | BL1 |
| Test result | True |
| Fail reason |  |
| Comment | TEST is hostname correct. GIVEN hostname |BL1|. WHEN hostname is |BL1|. THEN test case result is |True|. OUTPUT of |show hostname| is :  Hostname: BL1 FQDN: BL1 |

# 10. Detailed Test Suite Results: Interface

## 10.1 Test Case: Test if interface link status is connected

### 10.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 14 |
| Name | test\_if\_intf\_link\_status\_is\_connected\_on\_ |
| Description | Verify the interfaces of interest link statuses are connected |
| Device under test | BL1 |
| Show command | show interfaces status |
| Expected output | ['connected', 'connected'] |
| Actual output | ['connected', 'connected'] |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| link status on |BL1|. GIVEN interface status is |connected|. WHEN interface status is |connected|. THEN test case result is |True|.  TEST if interface |Ethernet2| link status on |BL1|. GIVEN interface status is |connected|. WHEN interface status is |connected|. THEN test case result is |True|.  OUTPUT of |show interfaces status| is :  Port Name Status Vlan Duplex Speed Type Flags Encapsulation Et1 P2P\_LINK\_TO\_DCBB1\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et2 P2P\_LINK\_TO\_DCBB2\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et3 P2P\_LINK\_TO\_DCBB3\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et4 P2P\_LINK\_TO\_DCBB4\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et5 P2P\_LINK\_TO\_SPINE1\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et6 P2P\_LINK\_TO\_SPINE2\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et7 P2P\_LINK\_TO\_SPINE3\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et8 P2P\_LINK\_TO\_SPINE4\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et9 P2P\_LINK\_TO\_SPINE5\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et10 P2P\_LINK\_TO\_SPINE6\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et11 connected 1 full unconf EbraTestPhyPort  Et12 connected 1 full unconf EbraTestPhyPort  Et13 connected 1 full unconf EbraTestPhyPort  Et14 connected 1 full unconf EbraTestPhyPort  Et15 connected 1 full unconf EbraTestPhyPort  Et16 connected 1 full unconf EbraTestPhyPort  Et17 connected 1 full unconf EbraTestPhyPort  Et18 connected 1 full unconf EbraTestPhyPort  Et19 connected 1 full unconf EbraTestPhyPort  Et20 connected 1 full unconf EbraTestPhyPort  Et21 connected 1 full unconf EbraTestPhyPort  Et22 connected 1 full unconf EbraTestPhyPort  Et23 connected 1 full unconf EbraTestPhyPort  Et24 connected 1 full unconf EbraTestPhyPort  Et25 connected 1 full unconf EbraTestPhyPort  Et26 connected 1 full unconf EbraTestPhyPort  Et27 connected 1 full unconf EbraTestPhyPort  Et28 connected 1 full unconf EbraTestPhyPort  Et29 connected 1 full unconf EbraTestPhyPort  Et30 connected 1 full unconf EbraTestPhyPort  Et31 connected 1 full unconf EbraTestPhyPort  Et32 connected 1 full unconf EbraTestPhyPort  Ma1 oob\_management connected routed a-full a-1G 10/100/1000   . |

## 10.2 Test Case: Test if interface protocol status is connected

### 10.2.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 15 |
| Name | test\_if\_intf\_protocol\_status\_is\_connected\_on\_ |
| Description | Verify the interfaces of interest protocol statuses are connected |
| Device under test | BL1 |
| Show command | show interfaces status |
| Expected output | ['up', 'up'] |
| Actual output | ['up', 'up'] |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| link prootocol statuses on |BL1|. GIVEN interface status is |up|. WHEN interface status is |up|. THEN test case result is |True|.  TEST if interface |Ethernet2| link prootocol statuses on |BL1|. GIVEN interface status is |up|. WHEN interface status is |up|. THEN test case result is |True|.  OUTPUT of |show interfaces status| is :  Port Name Status Vlan Duplex Speed Type Flags Encapsulation Et1 P2P\_LINK\_TO\_DCBB1\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et2 P2P\_LINK\_TO\_DCBB2\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et3 P2P\_LINK\_TO\_DCBB3\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et4 P2P\_LINK\_TO\_DCBB4\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et5 P2P\_LINK\_TO\_SPINE1\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et6 P2P\_LINK\_TO\_SPINE2\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et7 P2P\_LINK\_TO\_SPINE3\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et8 P2P\_LINK\_TO\_SPINE4\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et9 P2P\_LINK\_TO\_SPINE5\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et10 P2P\_LINK\_TO\_SPINE6\_Ethernet1 connected routed full unconf EbraTestPhyPort  Et11 connected 1 full unconf EbraTestPhyPort  Et12 connected 1 full unconf EbraTestPhyPort  Et13 connected 1 full unconf EbraTestPhyPort  Et14 connected 1 full unconf EbraTestPhyPort  Et15 connected 1 full unconf EbraTestPhyPort  Et16 connected 1 full unconf EbraTestPhyPort  Et17 connected 1 full unconf EbraTestPhyPort  Et18 connected 1 full unconf EbraTestPhyPort  Et19 connected 1 full unconf EbraTestPhyPort  Et20 connected 1 full unconf EbraTestPhyPort  Et21 connected 1 full unconf EbraTestPhyPort  Et22 connected 1 full unconf EbraTestPhyPort  Et23 connected 1 full unconf EbraTestPhyPort  Et24 connected 1 full unconf EbraTestPhyPort  Et25 connected 1 full unconf EbraTestPhyPort  Et26 connected 1 full unconf EbraTestPhyPort  Et27 connected 1 full unconf EbraTestPhyPort  Et28 connected 1 full unconf EbraTestPhyPort  Et29 connected 1 full unconf EbraTestPhyPort  Et30 connected 1 full unconf EbraTestPhyPort  Et31 connected 1 full unconf EbraTestPhyPort  Et32 connected 1 full unconf EbraTestPhyPort  Ma1 oob\_management connected routed a-full a-1G 10/100/1000   . |

# 11. Detailed Test Suite Results: Logging

## 11.1 Test Case: Test if log messages appear

### 11.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 16 |
| Name | test\_if\_log\_messages\_appear\_on\_ |
| Description | Verify local log messages |
| Device under test | BL1 |
| Show command | show logging |
| Expected output | [False, False, False, False, False] |
| Actual output | [False, False, False, False, False] |
| Test result | True |
| Fail reason |  |
| Comment | Test for log message |critical| on |BL1|. GIVEN message presence is |False|. WHEN message presence is |False|. THEN test case result is |True|.  Test for log message |warning| on |BL1|. GIVEN message presence is |False|. WHEN message presence is |False|. THEN test case result is |True|.  Test for log message |ECC| on |BL1|. GIVEN message presence is |False|. WHEN message presence is |False|. THEN test case result is |True|.  Test for log message |servers errors| on |BL1|. GIVEN message presence is |False|. WHEN message presence is |False|. THEN test case result is |True|.  Test for log message |parity| on |BL1|. GIVEN message presence is |False|. WHEN message presence is |False|. THEN test case result is |True|.  OUTPUT of |show logging| is :  Syslog logging: enabled  Buffer logging: level debugging  Console logging: level errors  Persistent logging: disabled  Monitor logging: level errors  Synchronous logging: disabled  Trap logging: level informational  Sequence numbers: disabled  Syslog facility: local4  Hostname format: Hostname only  Repeat logging interval: disabled  Repeat messages: disabled  Facility Severity Effective Severity -------------------- ------------- ------------------ aaa debugging debugging  accounting debugging debugging  acl debugging debugging  agent debugging debugging  ale debugging debugging  arp debugging debugging  bfd debugging debugging  bgp debugging debugging  bmp debugging debugging  capacity debugging debugging  capi debugging debugging  clear debugging debugging  cvx debugging debugging  dataplane debugging debugging  dhcp debugging debugging  dot1x debugging debugging  dscp debugging debugging  envmon debugging debugging  eth debugging debugging  eventmon debugging debugging  extension debugging debugging  fhrp debugging debugging  flow debugging debugging  forwarding debugging debugging  fru debugging debugging  fwk debugging debugging  gmp debugging debugging  hardware debugging debugging  health debugging debugging  httpservice debugging debugging  igmp debugging debugging  igmpsnooping debugging debugging  int debugging debugging  intf debugging debugging  ip6routing debugging debugging  iprib debugging debugging  ira debugging debugging  isis debugging debugging  kernelfib debugging debugging  lacp debugging debugging  lag debugging debugging  launcher debugging debugging  ldp debugging debugging  license debugging debugging  lineproto debugging debugging  lldp debugging debugging  logmgr debugging debugging  loopback debugging debugging  loopprotect debugging debugging  mapreducemonitor debugging debugging  mcs debugging debugging  mirroring debugging debugging  mka debugging debugging  mlag debugging debugging  mldsnooping debugging debugging  mmode debugging debugging  mroute debugging debugging  mrp debugging debugging  msdp debugging debugging  msrp debugging debugging  msspolicymonitor debugging debugging  mvrp debugging debugging  nat debugging debugging  openconfig debugging debugging  openflow debugging debugging  ospf debugging debugging  ospf3 debugging debugging  package debugging debugging  pfc debugging debugging  pimbsr debugging debugging  portsecurity debugging debugging  ptp debugging debugging  pwrmgmt debugging debugging  postcardtelemetry debugging debugging  qos debugging debugging  queuemonitor debugging debugging  radius debugging debugging  redundancy debugging debugging  rib debugging debugging  routing debugging debugging  security debugging debugging  servermonitor debugging debugging  spantree debugging debugging  sso debugging debugging  stagemgr debugging debugging  sys debugging debugging  sysdb debugging debugging  tapagg debugging debugging  tcp debugging debugging  transceiver debugging debugging  tunnel debugging debugging  tunnelintf debugging debugging  vmtracersess debugging debugging  vmwarevi debugging debugging  vmwarevs debugging debugging  vrf debugging debugging  vrrp debugging debugging  vxlan debugging debugging  xmpp debugging debugging  ztp debugging debugging   Log Buffer: Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet15 instance MST0 moving from discarding to learning Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet24 instance MST0 moving from discarding to learning Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet14 instance MST0 moving from discarding to learning Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet11 instance MST0 moving from discarding to learning Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet19 instance MST0 moving from discarding to learning Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet31 instance MST0 moving from discarding to learning Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet13 instance MST0 moving from discarding to learning Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet21 instance MST0 moving from discarding to learning Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet28 instance MST0 moving from discarding to learning Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet26 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet27 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet22 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet12 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet20 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet18 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet29 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet17 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet30 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet16 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet32 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet23 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet15 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet24 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet14 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet11 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet19 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet31 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet13 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet21 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet28 instance MST0 moving from learning to forwarding Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet25 instance MST0 moving from discarding to learning Feb 24 15:25:34 BL1 Stp: %SPANTREE-6-INTERFACE\_STATE: Interface Ethernet25 instance MST0 moving from learning to forwarding . |

# 12. Detailed Test Suite Results: Api

## 12.1 Test Case: Test if management http api server is running

### 12.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 17 |
| Name | test\_if\_management\_http\_api\_server\_is\_running\_on\_ |
| Description | Verify management api http server is not running |
| Device under test | BL1 |
| Show command | show management api http-commands |
| Expected output | False |
| Actual output | False |
| Test result | True |
| Fail reason |  |
| Comment | TEST is HTTP API running on |BL1|.  GIVEN HTTP API enabled is |False|. WHEN HTTP API enabled is |False|. THEN test case result is |True|. OUTPUT of |show management api http-commands| is :  Enabled: Yes HTTPS server: running, set to use port 443 HTTP server: shutdown, set to use port 80 Local HTTP server: shutdown, no authentication, set to use port 8080 Unix Socket server: shutdown, no authentication VRFs: default Hits: 5 Last hit: 0 seconds ago Bytes in: 3371 Bytes out: 318765 Requests: 1 Commands: 21 Duration: 1.210 seconds SSL Profile: none FIPS Mode: No QoS DSCP: 0 Log Level: none CSP Frame Ancestor: None TLS Protocols: 1.0 1.1 1.2  User Requests Bytes in Bytes out Last hit  -------------- -------------- -------------- --------------- -------------   cvpadmin 1 3371 318765 0 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://172.31.253.1:443  Ethernet2 : https://172.31.253.3:443  Ethernet3 : https://172.31.253.5:443  Ethernet4 : https://172.31.253.7:443  Ethernet5 : https://172.31.254.0:443  Ethernet6 : https://172.31.254.8:443  Ethernet7 : https://172.31.254.16:443  Ethernet8 : https://172.31.254.24:443  Ethernet9 : https://172.31.254.32:443  Ethernet10 : https://172.31.254.40:443  Loopback0 : https://192.168.252.1:443  Loopback1 : https://10.168.255.1:443  Management1 : https://192.168.0.20:443 |

## 12.2 Test Case: Test if management https api server is enabled

### 12.2.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 18 |
| Name | test\_if\_management\_https\_api\_server\_is\_enabled\_on\_ |
| Description | Verify management api https server is enabled |
| Device under test | BL1 |
| Show command | show management api http-commands |
| Expected output | True |
| Actual output | True |
| Test result | True |
| Fail reason |  |
| Comment | TEST is HTTPS API enabled on |BL1|.  GIVEN HTTPS API enabled is |True|. WHEN HTTPS API enabled is |True|. THEN test case result is |True|. OUTPUT of |show management api http-commands| is :  Enabled: Yes HTTPS server: running, set to use port 443 HTTP server: shutdown, set to use port 80 Local HTTP server: shutdown, no authentication, set to use port 8080 Unix Socket server: shutdown, no authentication VRFs: default Hits: 5 Last hit: 0 seconds ago Bytes in: 3371 Bytes out: 318765 Requests: 1 Commands: 21 Duration: 1.210 seconds SSL Profile: none FIPS Mode: No QoS DSCP: 0 Log Level: none CSP Frame Ancestor: None TLS Protocols: 1.0 1.1 1.2  User Requests Bytes in Bytes out Last hit  -------------- -------------- -------------- --------------- -------------   cvpadmin 1 3371 318765 0 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://172.31.253.1:443  Ethernet2 : https://172.31.253.3:443  Ethernet3 : https://172.31.253.5:443  Ethernet4 : https://172.31.253.7:443  Ethernet5 : https://172.31.254.0:443  Ethernet6 : https://172.31.254.8:443  Ethernet7 : https://172.31.254.16:443  Ethernet8 : https://172.31.254.24:443  Ethernet9 : https://172.31.254.32:443  Ethernet10 : https://172.31.254.40:443  Loopback0 : https://192.168.252.1:443  Loopback1 : https://10.168.255.1:443  Management1 : https://192.168.0.20:443 |

## 12.3 Test Case: Test if management https api server is running

### 12.3.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 19 |
| Name | test\_if\_management\_https\_api\_server\_is\_running\_on\_ |
| Description | Verify management api https server is running |
| Device under test | BL1 |
| Show command | show management api http-commands |
| Expected output | True |
| Actual output | True |
| Test result | True |
| Fail reason |  |
| Comment | TEST is HTTPS API running on |BL1|.  GIVEN HTTPS API state is |True|. WHEN HTTPS API state is |True|. THEN test case result is |True|. OUTPUT of |show management api http-commands| is :  Enabled: Yes HTTPS server: running, set to use port 443 HTTP server: shutdown, set to use port 80 Local HTTP server: shutdown, no authentication, set to use port 8080 Unix Socket server: shutdown, no authentication VRFs: default Hits: 5 Last hit: 0 seconds ago Bytes in: 3371 Bytes out: 318765 Requests: 1 Commands: 21 Duration: 1.210 seconds SSL Profile: none FIPS Mode: No QoS DSCP: 0 Log Level: none CSP Frame Ancestor: None TLS Protocols: 1.0 1.1 1.2  User Requests Bytes in Bytes out Last hit  -------------- -------------- -------------- --------------- -------------   cvpadmin 1 3371 318765 0 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://172.31.253.1:443  Ethernet2 : https://172.31.253.3:443  Ethernet3 : https://172.31.253.5:443  Ethernet4 : https://172.31.253.7:443  Ethernet5 : https://172.31.254.0:443  Ethernet6 : https://172.31.254.8:443  Ethernet7 : https://172.31.254.16:443  Ethernet8 : https://172.31.254.24:443  Ethernet9 : https://172.31.254.32:443  Ethernet10 : https://172.31.254.40:443  Loopback0 : https://192.168.252.1:443  Loopback1 : https://10.168.255.1:443  Management1 : https://192.168.0.20:443 |

## 12.4 Test Case: Test if management https api server port is correct

### 12.4.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 20 |
| Name | test\_if\_management\_https\_api\_server\_port\_is\_correct\_on\_ |
| Description | Verify https server is enabled on port 443 |
| Device under test | BL1 |
| Show command | show management api http-commands |
| Expected output | 443 |
| Actual output | 443 |
| Test result | True |
| Fail reason |  |
| Comment | TEST is HTTPS API port on |BL1|.  GIVEN HTTPS API port is |443|. WHEN HTTPS API port is |443|. THEN test case result is |True|. OUTPUT of |show management api http-commands| is :  Enabled: Yes HTTPS server: running, set to use port 443 HTTP server: shutdown, set to use port 80 Local HTTP server: shutdown, no authentication, set to use port 8080 Unix Socket server: shutdown, no authentication VRFs: default Hits: 5 Last hit: 0 seconds ago Bytes in: 3371 Bytes out: 318765 Requests: 1 Commands: 21 Duration: 1.210 seconds SSL Profile: none FIPS Mode: No QoS DSCP: 0 Log Level: none CSP Frame Ancestor: None TLS Protocols: 1.0 1.1 1.2  User Requests Bytes in Bytes out Last hit  -------------- -------------- -------------- --------------- -------------   cvpadmin 1 3371 318765 0 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://172.31.253.1:443  Ethernet2 : https://172.31.253.3:443  Ethernet3 : https://172.31.253.5:443  Ethernet4 : https://172.31.253.7:443  Ethernet5 : https://172.31.254.0:443  Ethernet6 : https://172.31.254.8:443  Ethernet7 : https://172.31.254.16:443  Ethernet8 : https://172.31.254.24:443  Ethernet9 : https://172.31.254.32:443  Ethernet10 : https://172.31.254.40:443  Loopback0 : https://192.168.252.1:443  Loopback1 : https://10.168.255.1:443  Management1 : https://192.168.0.20:443 |

## 12.5 Test Case: Test if management local http api server is running

### 12.5.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 21 |
| Name | test\_if\_management\_local\_http\_api\_server\_is\_running\_on\_ |
| Description | Verify management api local httpserver is not running |
| Device under test | BL1 |
| Show command | show management api http-commands |
| Expected output | False |
| Actual output | False |
| Test result | True |
| Fail reason |  |
| Comment | TEST is local HTTP API running on |BL1|.  GIVEN local HTTP API enabled is |False|. WHEN local HTTP API enabled is |False|. THEN test case result is |True|. OUTPUT of |show management api http-commands| is :  Enabled: Yes HTTPS server: running, set to use port 443 HTTP server: shutdown, set to use port 80 Local HTTP server: shutdown, no authentication, set to use port 8080 Unix Socket server: shutdown, no authentication VRFs: default Hits: 5 Last hit: 0 seconds ago Bytes in: 3371 Bytes out: 318765 Requests: 1 Commands: 21 Duration: 1.210 seconds SSL Profile: none FIPS Mode: No QoS DSCP: 0 Log Level: none CSP Frame Ancestor: None TLS Protocols: 1.0 1.1 1.2  User Requests Bytes in Bytes out Last hit  -------------- -------------- -------------- --------------- -------------   cvpadmin 1 3371 318765 0 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://172.31.253.1:443  Ethernet2 : https://172.31.253.3:443  Ethernet3 : https://172.31.253.5:443  Ethernet4 : https://172.31.253.7:443  Ethernet5 : https://172.31.254.0:443  Ethernet6 : https://172.31.254.8:443  Ethernet7 : https://172.31.254.16:443  Ethernet8 : https://172.31.254.24:443  Ethernet9 : https://172.31.254.32:443  Ethernet10 : https://172.31.254.40:443  Loopback0 : https://192.168.252.1:443  Loopback1 : https://10.168.255.1:443  Management1 : https://192.168.0.20:443 |

# 13. Detailed Test Suite Results: Users

## 13.1 Test Case: Test if usernames are configured

### 13.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 22 |
| Name | test\_if\_usernames\_are\_configured\_on\_ |
| Description | Verify username is set correctly |
| Device under test | BL1 |
| Show command | show running-config section username |
| Expected output | [True, True] |
| Actual output | [False, False] |
| Test result | False |
| Fail reason | On router |BL1|: |ec2-user| username configured is |False|, username configured should be |True|.  On router |BL1|: |kgrozis| username configured is |False|, username configured should be |True|. |
| Comment | TEST is ec2-user username configured on |BL1|. GIVEN username configured status: |True|. WHEN username configured status: |False|. THEN test case result is |False|.  TEST is kgrozis username configured on |BL1|. GIVEN username configured status: |True|. WHEN username configured status: |False|. THEN test case result is |False|.  OUTPUT of |show running-config section username| is :  username admin privilege 15 role network-admin secret sha512 $6$Df86J4/SFMDE3/1K$Hef4KstdoxNDaami37cBquTWOTplC.miMPjXVgQxMe92.e5wxlnXOLlebgPj8Fz1KO0za/RCO7ZIs4Q6Eiq1g1 username ansible privilege 15 role network-admin secret sha512 $6$Dzu11L7yp9j3nCM9$FSptxMPyIL555OMO.ldnjDXgwZmrfMYwHSr0uznE5Qoqvd9a6UdjiFcJUhGLtvXVZR1r.A/iF5aAt50hf/EK4/ username cvpadmin privilege 15 role network-admin secret sha512 $6$qI16FDuEyTyahgyH$su2QQ4zgkOLu1269G7PM1pdM0xHV0AeBJ6nSUzCcGeTrIqCJYpEK8t/KKDtUy6Q8YyUGoYe2ZFPNYqprB482b0 . |

# 14. Detailed Test Suite Results: Memory

## 14.1 Test Case: Test memory utilization

### 14.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 23 |
| Name | test\_memory\_utilization\_on\_ |
| Description | Verify memory is not exceeding high utlization |
| Device under test | BL1 |
| Show command | show version |
| Expected output | 80 |
| Actual output | 75.16481519933555 |
| Test result | True |
| Fail reason |  |
| Comment | TEST if memory utilization is less than specified value on |BL1|. GIVEN memory utilization is less than |80|. WHEN memory utilization is |75.16481519933555|. THEN test case result is |True|. OUTPUT of |show version| is:   vEOS Hardware version:  Serial number:  Hardware MAC address: d40e.13c9.79dd System MAC address: d40e.13c9.79dd  Software image version: 4.24.2F Architecture: i686 Internal build version: 4.24.2F-18436385.4242F Internal build ID: 03cdce3a-550e-46a8-88e5-4b27656fd2e5  Uptime: 0 weeks, 0 days, 0 hours and 2 minutes Total memory: 4006912 kB Free memory: 3011388 kB |