Test Report

June 28, 2022 12:08:58PM

# 1. Test Results Summary

## 1.1 Summary Results

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Total Tests | Total Passed | Total Failed | Total Skipped | Total Errored | Total Duration |
| 41 | 31 | 9 | 0 | 1 | 4.6858861446380615 |

## 1.2 Summary Totals for Devices Under Tests

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| DUT | Total Tests | Total Passed | Total Failed | Total Skipped | Total Errored |
| BL1 | 20 | 19 | 1 | 0 | 0 |
| BL2 | 20 | 12 | 8 | 0 | 0 |

## 1.3 Summary Totals for Test Suites

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Suite | Total Tests | Total Passed | Total Failed | Total Skipped |
| Api | 10 | 10 | 0 | 0 |
| Ztp | 4 | 4 | 0 | 0 |
| Cpu | 6 | 5 | 1 | 0 |
| System | 3 | 3 | 0 | 0 |
| Memory | 2 | 2 | 0 | 0 |
| Filesystem | 2 | 1 | 1 | 0 |
| Logging | 2 | 1 | 1 | 0 |
| Daemon | 4 | 2 | 2 | 0 |
| Interface | 4 | 2 | 2 | 0 |
| Users | 2 | 1 | 1 | 0 |

# 2. Test Case Results Summary

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Serial No | Test Id | Test Suite | Test Case | DUT/s | Result | Failure or Skip Reason |
| 1 | None | Api | Test if management https api server port is correct | BL1 | PASS |  |
| 2 | None | Api | Test if management https api server port is correct | BL2 | PASS |  |
| 3 | None | Api | Test if management https api server is enabled | BL1 | PASS |  |
| 4 | None | Api | Test if management https api server is enabled | BL2 | PASS |  |
| 5 | None | Api | Test if management local http api server is running | BL2 | PASS |  |
| 6 | None | Api | Test if management local http api server is running | BL1 | PASS |  |
| 7 | None | Api | Test if management http api server is running | BL2 | PASS |  |
| 8 | None | Api | Test if management http api server is running | BL1 | PASS |  |
| 9 | None | Api | Test if management https api server is running | BL2 | PASS |  |
| 10 | None | Api | Test if management https api server is running | BL1 | PASS |  |
| 11 | None | Ztp | Test if zerotouch is disabled | BL2 | PASS |  |
| 12 | None | Ztp | Test if zerotouch is disabled | BL1 | PASS |  |
| 13 | None | Ztp | Test for zerotouch config file | BL2 | PASS |  |
| 14 | None | Ztp | Test for zerotouch config file | BL1 | PASS |  |
| 15 | None | Cpu | Test 5 min cpu utlization | BL2 | PASS |  |
| 16 | None | Cpu | Test 5 min cpu utlization | BL1 | PASS |  |
| 17 | None | Cpu | Test 1 min cpu utlization | BL1 | PASS |  |
| 18 | None | Cpu | Test 1 min cpu utlization | BL2 | PASS |  |
| 19 | None | Cpu | Test 1 sec cpu utlization | BL2 | PASS |  |
| 20 | None | Cpu | Test 1 sec cpu utlization | BL1 | FAIL | On router |BL1| 1 second CPU load average is |1.32%| and should be under |1%| |
| 21 | None | System | Test if eos version is correct | BL1 | PASS |  |
| 22 | None | System | Test if eos version is correct | BL2 | PASS |  |
| 23 | None | System | Test if there is agents have crashed | BL1 | PASS |  |
| 24 | None | Memory | Test memory utilization | BL1 | PASS |  |
| 25 | None | Memory | Test memory utilization | BL2 | PASS |  |
| 26 | None | Filesystem | Test if files | BL1 | PASS |  |
| 27 | None | Filesystem | Test if files | BL2 | FAIL | On router |BL2|: flash:startup-config file isDir state is |False|, correct state is |[False, False, False]|.  On router |BL2|: flash:veos-config file isDir state is |False|, correct state is |[False, False, False]|.  On router |BL2|: flash:zerotouch-config file isDir state is |False|, correct state is |[False, False, False]|. |
| 28 | None | Logging | Test if log messages appear | BL1 | PASS |  |
| 29 | None | Logging | Test if log messages appear | BL2 | FAIL | Test for log message critical, message should not be present. Test for log message warning, message should not be present. Test for log message ECC, message should not be present. Test for log message servers errors, message should not be present. Test for log message parity, message should not be present. |
| 30 | None | Daemon | Test if daemons are enabled | BL1 | PASS |  |
| 31 | None | Daemon | Test if daemons are enabled | BL2 | FAIL | On router |BL2|, daemon enabled state is |True| correct state is |[True]|. |
| 32 | None | Daemon | Test if daemons are running | BL2 | FAIL | On router |BL2|, daemon running state is |True| correct state is |[True]|. |
| 33 | None | Daemon | Test if daemons are running | BL1 | PASS |  |
| 34 | None | Interface | Test if interface link status is connected | BL2 | FAIL | On interface |Ethernet1|: interface link status is set to: |connected|, correct state is |['connected', 'connected']|.  On interface |Ethernet2|: interface link status is set to: |connected|, correct state is |['connected', 'connected']|. |
| 35 | None | Interface | Test if interface link status is connected | BL1 | PASS |  |
| 36 | None | Interface | Test if interface protocol status is connected | BL2 | FAIL | On interface |Ethernet1|: interface link line protocol status is set to: |up|, correct state is |['up', 'up']|.  On interface |Ethernet2|: interface link line protocol status is set to: |up|, correct state is |['up', 'up']|. |
| 37 | None | Interface | Test if interface protocol status is connected | BL1 | PASS |  |
| 38 | None | Users | Test if usernames are configured | BL2 | FAIL | On router |BL2|: |admin| username configured is |True|, username configured should be |[True]|. |
| 39 | None | Users | Test if usernames are configured | BL1 | PASS |  |

# 3. Detailed Test Suite Results: Api

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

### 3.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| 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 or skip 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: 5779 Last hit: 1 seconds ago Bytes in: 2366006 Bytes out: 204142610 Requests: 3649 Commands: 25796 Duration: 2059.273 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  ---------------- ------------- ------------- -------------- -------------------   testaccount 1 308 548 4946715 seconds ago   cvpadmin 3648 2365698 204142062 1 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 |

### 3.1.2 DUT: BL2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| Name | test\_if\_management\_https\_api\_server\_port\_is\_correct\_on\_ |
| Description | Verify https server is enabled on port 443 |
| Device under test | BL2 |
| Show command | show management api http-commands |
| Expected output | 443 |
| Actual output | 443 |
| Test result | True |
| Fail or skip reason |  |
| Comment | TEST is HTTPS API port on |BL2|.  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: 690 Last hit: 1 seconds ago Bytes in: 437384 Bytes out: 42924042 Requests: 258 Commands: 4779 Duration: 299.082 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 258 437384 42924042 1 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://172.31.253.9:443  Ethernet2 : https://172.31.253.11:443  Ethernet3 : https://172.31.253.13:443  Ethernet4 : https://172.31.253.15:443  Ethernet5 : https://172.31.254.2:443  Ethernet6 : https://172.31.254.10:443  Ethernet7 : https://172.31.254.18:443  Ethernet8 : https://172.31.254.26:443  Ethernet9 : https://172.31.254.34:443  Ethernet10 : https://172.31.254.42:443  Loopback0 : https://192.168.252.2:443  Loopback1 : https://10.168.255.2:443  Management1 : https://192.168.0.21:443 |

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

### 3.2.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| 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 or skip 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: 5779 Last hit: 1 seconds ago Bytes in: 2366006 Bytes out: 204142610 Requests: 3649 Commands: 25796 Duration: 2059.273 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  ---------------- ------------- ------------- -------------- -------------------   testaccount 1 308 548 4946715 seconds ago   cvpadmin 3648 2365698 204142062 1 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 |

### 3.2.2 DUT: BL2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| Name | test\_if\_management\_https\_api\_server\_is\_enabled\_on\_ |
| Description | Verify management api https server is enabled |
| Device under test | BL2 |
| Show command | show management api http-commands |
| Expected output | True |
| Actual output | True |
| Test result | True |
| Fail or skip reason |  |
| Comment | TEST is HTTPS API enabled on |BL2|.  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: 690 Last hit: 1 seconds ago Bytes in: 437384 Bytes out: 42924042 Requests: 258 Commands: 4779 Duration: 299.082 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 258 437384 42924042 1 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://172.31.253.9:443  Ethernet2 : https://172.31.253.11:443  Ethernet3 : https://172.31.253.13:443  Ethernet4 : https://172.31.253.15:443  Ethernet5 : https://172.31.254.2:443  Ethernet6 : https://172.31.254.10:443  Ethernet7 : https://172.31.254.18:443  Ethernet8 : https://172.31.254.26:443  Ethernet9 : https://172.31.254.34:443  Ethernet10 : https://172.31.254.42:443  Loopback0 : https://192.168.252.2:443  Loopback1 : https://10.168.255.2:443  Management1 : https://192.168.0.21:443 |

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

### 3.3.1 DUT: BL2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| Name | test\_if\_management\_local\_http\_api\_server\_is\_running\_on\_ |
| Description | Verify management api local httpserver is not running |
| Device under test | BL2 |
| Show command | show management api http-commands |
| Expected output | False |
| Actual output | False |
| Test result | True |
| Fail or skip reason |  |
| Comment | TEST is local HTTP API running on |BL2|.  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: 690 Last hit: 1 seconds ago Bytes in: 437384 Bytes out: 42924042 Requests: 258 Commands: 4779 Duration: 299.082 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 258 437384 42924042 1 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://172.31.253.9:443  Ethernet2 : https://172.31.253.11:443  Ethernet3 : https://172.31.253.13:443  Ethernet4 : https://172.31.253.15:443  Ethernet5 : https://172.31.254.2:443  Ethernet6 : https://172.31.254.10:443  Ethernet7 : https://172.31.254.18:443  Ethernet8 : https://172.31.254.26:443  Ethernet9 : https://172.31.254.34:443  Ethernet10 : https://172.31.254.42:443  Loopback0 : https://192.168.252.2:443  Loopback1 : https://10.168.255.2:443  Management1 : https://192.168.0.21:443 |

### 3.3.2 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| 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 or skip 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: 5779 Last hit: 1 seconds ago Bytes in: 2366006 Bytes out: 204142610 Requests: 3649 Commands: 25796 Duration: 2059.273 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  ---------------- ------------- ------------- -------------- -------------------   testaccount 1 308 548 4946715 seconds ago   cvpadmin 3648 2365698 204142062 1 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 |

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

### 3.4.1 DUT: BL2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| Name | test\_if\_management\_http\_api\_server\_is\_running\_on\_ |
| Description | Verify management api http server is not running |
| Device under test | BL2 |
| Show command | show management api http-commands |
| Expected output | False |
| Actual output | False |
| Test result | True |
| Fail or skip reason |  |
| Comment | TEST is HTTP API running on |BL2|.  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: 690 Last hit: 1 seconds ago Bytes in: 437384 Bytes out: 42924042 Requests: 258 Commands: 4779 Duration: 299.082 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 258 437384 42924042 1 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://172.31.253.9:443  Ethernet2 : https://172.31.253.11:443  Ethernet3 : https://172.31.253.13:443  Ethernet4 : https://172.31.253.15:443  Ethernet5 : https://172.31.254.2:443  Ethernet6 : https://172.31.254.10:443  Ethernet7 : https://172.31.254.18:443  Ethernet8 : https://172.31.254.26:443  Ethernet9 : https://172.31.254.34:443  Ethernet10 : https://172.31.254.42:443  Loopback0 : https://192.168.252.2:443  Loopback1 : https://10.168.255.2:443  Management1 : https://192.168.0.21:443 |

### 3.4.2 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| 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 or skip 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: 5779 Last hit: 1 seconds ago Bytes in: 2366006 Bytes out: 204142610 Requests: 3649 Commands: 25796 Duration: 2059.273 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  ---------------- ------------- ------------- -------------- -------------------   testaccount 1 308 548 4946715 seconds ago   cvpadmin 3648 2365698 204142062 1 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 |

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

### 3.5.1 DUT: BL2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| Name | test\_if\_management\_https\_api\_server\_is\_running\_on\_ |
| Description | Verify management api https server is running |
| Device under test | BL2 |
| Show command | show management api http-commands |
| Expected output | True |
| Actual output | True |
| Test result | True |
| Fail or skip reason |  |
| Comment | TEST is HTTPS API running on |BL2|.  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: 690 Last hit: 1 seconds ago Bytes in: 437384 Bytes out: 42924042 Requests: 258 Commands: 4779 Duration: 299.082 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 258 437384 42924042 1 seconds ago   URLs  ---------------------------------------  Ethernet1 : https://172.31.253.9:443  Ethernet2 : https://172.31.253.11:443  Ethernet3 : https://172.31.253.13:443  Ethernet4 : https://172.31.253.15:443  Ethernet5 : https://172.31.254.2:443  Ethernet6 : https://172.31.254.10:443  Ethernet7 : https://172.31.254.18:443  Ethernet8 : https://172.31.254.26:443  Ethernet9 : https://172.31.254.34:443  Ethernet10 : https://172.31.254.42:443  Loopback0 : https://192.168.252.2:443  Loopback1 : https://10.168.255.2:443  Management1 : https://192.168.0.21:443 |

### 3.5.2 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| 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 or skip 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: 5779 Last hit: 1 seconds ago Bytes in: 2366006 Bytes out: 204142610 Requests: 3649 Commands: 25796 Duration: 2059.273 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  ---------------- ------------- ------------- -------------- -------------------   testaccount 1 308 548 4946715 seconds ago   cvpadmin 3648 2365698 204142062 1 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 |

# 4. Detailed Test Suite Results: Ztp

## 4.1 Test Case: Test if zerotouch is disabled

### 4.1.1 DUT: BL2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| Name | test\_if\_zerotouch\_is\_disabled\_on\_ |
| Description | Verify local log messages |
| Device under test | BL2 |
| Show command | show zerotouch |
| Expected output | disabled |
| Actual output | disabled |
| Test result | True |
| Fail or skip reason |  |
| Comment | TEST is ZTP disabled on |BL2|. 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 |

### 4.1.2 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| 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 or skip 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 |

## 4.2 Test Case: Test for zerotouch config file

### 4.2.1 DUT: BL2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| Name | test\_for\_zerotouch\_config\_file\_on\_ |
| Description | Verify zerotoucn-config file is on flash |
| Device under test | BL2 |
| Show command | dir flash:zerotouch-config |
| Expected output | True |
| Actual output | True |
| Test result | True |
| Fail or skip reason |  |
| Comment | TEST is ZTP configuration file on |BL2|. 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 (7341297664 bytes free) |

### 4.2.2 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| 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 or skip 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 (7341510656 bytes free) |

# 5. Detailed Test Suite Results: Cpu

## 5.1 Test Case: Test 5 min cpu utlization

### 5.1.1 DUT: BL2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| Name | test\_5\_min\_cpu\_utlization\_on\_ |
| Description | Verify 5 minute CPU % is under specificied value |
| Device under test | BL2 |
| Show command | show processes |
| Expected output | 10 |
| Actual output | 0.18 |
| Test result | True |
| Fail or skip reason |  |
| Comment | TEST if 5 minute CPU utilization is less than specified value on |BL2|. GIVEN CPU utilization is less than |10|. WHEN CPU utilization is |0.18|. THEN test case result is |True|. OUTPUT of |show processes| is :   18:08:51 up 111 days, 19:45, 0 users, load average: 0.29, 0.21, 0.18  PID %CPU %MEM TT STAT STARTED TIME CMD  2072 1.0 2.6 ? Sl Mar 08 1-03:51:30 /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  2219 0.4 3.2 ? S Mar 08 11:14:11 Etba  1702 0.3 0.6 ? S Mar 08 09:14:57 ProcMgr-worker 31614 0.2 0.9 ? S<Ll May 18 02:39:21 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  1884 0.1 8.6 ? Sl Mar 08 05:10:11 ConfigAgent  2115 0.1 2.1 ? S Mar 08 03:37:19 StpTxRx  2127 0.1 1.7 ? S Mar 08 03:25:44 AgentMonitor  2170 0.1 2.3 ? S Mar 08 04:51:52 Fhrp  2223 0.1 2.1 ? S Mar 08 04:31:24 PhyEthtool  1 0.0 0.1 ? Ss Mar 08 00:01:33 /sbin/init  2 0.0 0.0 ? S Mar 08 00:00:00 [kthreadd]  3 0.0 0.0 ? S Mar 08 00:01:29 [ksoftirqd/0]  5 0.0 0.0 ? S< Mar 08 00:00:00 [kworker/0:0H]  7 0.0 0.0 ? S Mar 08 00:18:41 [rcu\_preempt]  8 0.0 0.0 ? S Mar 08 00:00:00 [rcu\_sched]  9 0.0 0.0 ? S Mar 08 00:00:00 [rcu\_bh]  10 0.0 0.0 ? S Mar 08 00:00:30 [migration/0]  11 0.0 0.0 ? S< Mar 08 00:00:00 [lru-add-drain]  12 0.0 0.0 ? S Mar 08 00:00:00 [watchdog/0]  13 0.0 0.0 ? S Mar 08 00:00:00 [cpuhp/0]  14 0.0 0.0 ? S Mar 08 00:00:00 [cpuhp/1]  15 0.0 0.0 ? S Mar 08 00:00:00 [watchdog/1]  16 0.0 0.0 ? S Mar 08 00:00:30 [migration/1]  17 0.0 0.0 ? S Mar 08 00:00:40 [ksoftirqd/1]  19 0.0 0.0 ? S< Mar 08 00:00:00 [kworker/1:0H]  20 0.0 0.0 ? S Mar 08 00:00:00 [kdevtmpfs]  21 0.0 0.0 ? S< Mar 08 00:00:00 [netns]  22 0.0 0.0 ? S Mar 08 00:00:00 [xenwatch]  23 0.0 0.0 ? S Mar 08 00:00:00 [xenbus]  25 0.0 0.0 ? S Mar 08 00:00:00 [khungtaskd]  26 0.0 0.0 ? S Mar 08 00:03:42 [khungtaskd2]  27 0.0 0.0 ? S Mar 08 00:00:00 [oom\_reaper]  28 0.0 0.0 ? S< Mar 08 00:00:00 [writeback]  29 0.0 0.0 ? S Mar 08 00:00:00 [kcompactd0]  30 0.0 0.0 ? S< Mar 08 00:00:00 [crypto]  31 0.0 0.0 ? S< Mar 08 00:00:00 [kintegrityd]  32 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  33 0.0 0.0 ? S< Mar 08 00:00:00 [kblockd]  34 0.0 0.0 ? S< Mar 08 00:00:00 [ata\_sff]  35 0.0 0.0 ? S< Mar 08 00:00:00 [edac-poller]  36 0.0 0.0 ? S Mar 08 00:00:00 [dst\_gc\_task]  37 0.0 0.0 ? S< Mar 08 00:00:00 [watchdogd]  39 0.0 0.0 ? S Mar 08 00:00:00 [arp\_cache-prd]  40 0.0 0.0 ? S Mar 08 00:00:23 [icmp\_unreachabl]  41 0.0 0.0 ? S< Mar 08 00:00:00 [rpciod]  42 0.0 0.0 ? S< Mar 08 00:00:00 [xprtiod]  43 0.0 0.0 ? S Mar 08 00:00:00 [kswapd0]  44 0.0 0.0 ? S< Mar 08 00:00:00 [vmstat]  45 0.0 0.0 ? S< Mar 08 00:00:00 [nfsiod]  54 0.0 0.0 ? S< Mar 08 00:00:00 [pcielwd]  55 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  56 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  57 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  58 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  59 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  60 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  61 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  62 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  63 0.0 0.0 ? S< Mar 08 00:00:00 [nvme]  64 0.0 0.0 ? S Mar 08 00:00:00 [scsi\_eh\_0]  65 0.0 0.0 ? S< Mar 08 00:00:00 [scsi\_tmf\_0]  66 0.0 0.0 ? S Mar 08 00:00:00 [scsi\_eh\_1]  67 0.0 0.0 ? S< Mar 08 00:00:00 [scsi\_tmf\_1]  70 0.0 0.0 ? S Mar 08 00:00:00 [ndisc\_cache-prd]  71 0.0 0.0 ? S< Mar 08 00:00:00 [ipv6\_addrconf]  72 0.0 0.0 ? S< Mar 08 00:00:00 [ecc\_log\_wq]  73 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  146 0.0 0.0 ? S Mar 08 00:00:04 [jbd2/xvda1-8]  147 0.0 0.0 ? S< Mar 08 00:00:00 [ext4-rsv-conver]  248 0.0 0.0 ? S< Mar 08 00:00:00 [kworker/0:1H]  298 0.0 0.0 ? S< Mar 08 00:00:00 [kworker/1:1H]  337 0.0 0.0 ? S< Mar 08 00:00:00 [loop0]  446 0.0 0.0 ? Ss Mar 08 00:00:00 /usr/lib/systemd/systemd-udevd  517 0.0 0.0 ? Ss Mar 08 00:00:00 /usr/sbin/lvmetad -f  805 0.0 0.0 ? Ss Mar 08 00:00:00 /usr/sbin/mcelog --ignorenodev --daemon --foreground  808 0.0 0.0 ? Ss Mar 08 00:00:05 /usr/lib/systemd/systemd-logind  809 0.0 0.0 ? Ss Mar 08 00:03:41 /usr/bin/ProcMonitor  813 0.0 0.2 ? Ss Mar 08 00:00:00 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation  849 0.0 0.0 ? Ss Mar 08 00:00:00 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid  969 0.0 0.0 ? Ss Mar 08 00:00:55 /usr/sbin/crond -n  985 0.0 0.0 ? S<s Mar 08 00:02:43 /usr/bin/wdogdev -t 100  1047 0.0 0.0 ? Ss Mar 08 00:00:00 /usr/bin/SaveFossil --dedup --compress --priority Sysdb --maxFiles 1000 /var/tmp/Fossil /mnt/flash/Fossil  1051 0.0 0.1 ? S Mar 08 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  1052 0.0 0.0 pts/0 Ss+ Mar 08 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1062 0.0 0.1 ? S Mar 08 00:00:16 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  1064 0.0 0.0 pts/1 Ss+ Mar 08 00:00:03 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1078 0.0 0.1 ? S Mar 08 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+ Mar 08 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1106 0.0 0.0 ? Ss Mar 08 00:00:00 /bin/bash /usr/sbin/core\_annotate\_util daemon  1131 0.0 0.0 ? S Mar 08 00:00:00 inotifywait -e modify /var/lib/rpm  1151 0.0 0.0 ? Ss Mar 08 00:10:47 /mnt/flash/dropbear -R -B -p 0.0.0.0:50001  1640 0.0 0.4 ? S Mar 08 00:00:00 netnsd-watcher -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1642 0.0 0.4 ? S Mar 08 00:00:00 netnsd-server -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1701 0.0 1.5 ? S Mar 08 00:00:00 ProcMgr-master  1816 0.0 0.0 ? S Mar 08 00:43:33 /usr/bin/EosOomAdjust  1829 0.0 0.0 ? S Mar 08 00:03:04 [rbfd\_vrf\_cleanu]  1844 0.0 0.0 ? Ss Mar 08 00:00:00 /usr/sbin/acpid  1882 0.0 2.0 ? S Mar 08 00:03:26 StageMgr  1883 0.0 0.0 ? S Mar 08 00:14:04 /usr/bin/SlabMonitor  1885 0.0 2.4 ? S Mar 08 00:04:09 Fru  1886 0.0 4.1 ? S Mar 08 01:42:17 Sysdb  1887 0.0 2.6 ? S Mar 08 00:03:32 Launcher  2062 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Lldp --dlopen procmgr /usr/bin/Lldp  2064 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=McastCommon --dlopen procmgr /usr/bin/McastCommon  2065 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2067 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2068 0.0 2.1 ? S Mar 08 00:07:50 McastCommon  2069 0.0 2.1 ? S Mar 08 00:52:21 Lldp  2071 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=PortSec --dlopen procmgr /usr/bin/PortSec  2074 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2075 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Bfd --dlopen procmgr /usr/bin/Bfd  2079 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2081 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Lag --dlopen procmgr /usr/bin/Lag  2082 0.0 2.0 ? S Mar 08 00:05:28 PortSec  2083 0.0 2.4 ? S Mar 08 00:10:36 Bfd  2084 0.0 3.9 ? S Mar 08 02:27:10 SuperServer  2085 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2087 0.0 2.3 ? S Mar 08 00:46:56 Lag  2089 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Ira --dlopen procmgr /usr/bin/Ira  2090 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=LedPolicy --dlopen procmgr /usr/bin/LedPolicy  2092 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2094 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2095 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Vxlan --dlopen procmgr /usr/bin/Vxlan  2097 0.0 2.6 ? S Mar 08 00:07:49 Ira  2098 0.0 2.0 ? S Mar 08 00:14:48 LedPolicy  2099 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2101 0.0 2.3 ? S Mar 08 00:07:07 Vxlan  2102 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=EventMgr --dlopen procmgr /usr/bin/EventMgr  2104 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2105 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=CapiApp --dlopen procmgr /usr/bin/CapiApp --ini /etc/uwsgi/CapiApp.ini  2107 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2108 0.0 2.2 ? S Mar 08 00:21:43 EventMgr  2110 0.0 2.1 ? Sl Mar 08 00:03:23 CapiApp -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2112 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=StpTxRx --dlopen procmgr /usr/bin/StpTxRx  2113 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2116 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=StandbyCpld --dlopen procmgr /usr/bin/StandbyCpld  2119 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=AgentMonitor --dlopen procmgr /usr/bin/AgentMonitor  2120 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2123 0.0 1.8 ? S Mar 08 00:03:38 StandbyCpld  2125 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2126 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Tunnel --dlopen procmgr /usr/bin/Tunnel  2130 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2131 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Arp --dlopen procmgr /usr/bin/Arp  2132 0.0 2.0 ? S Mar 08 00:05:26 Tunnel  2133 0.0 2.3 ? Sl Mar 08 00:03:57 Aaa  2135 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2136 0.0 2.5 ? Sl Mar 08 00:32:07 Arp  2138 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=StpTopology --dlopen procmgr /usr/bin/StpTopology  2141 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2142 0.0 2.0 ? S Mar 08 00:07:54 StpTopology  2144 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Acl --dlopen procmgr /usr/bin/Acl  2147 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2148 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Stp --dlopen procmgr /usr/bin/Stp  2149 0.0 2.3 ? S Mar 08 00:50:14 Acl  2151 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=KernelNetworkInfo --dlopen procmgr /usr/bin/KernelNetworkInfo  2152 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2153 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2155 0.0 2.0 ? S Mar 08 01:09:10 Stp  2156 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=McastCommon6 --dlopen procmgr /usr/bin/McastCommon6  2157 0.0 1.8 ? S Mar 08 00:19:07 KernelNetworkInfo  2159 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=LacpTxAgent --dlopen procmgr /usr/bin/LacpTxAgent  2160 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2161 0.0 2.0 ? S Mar 08 00:07:45 McastCommon6  2162 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2164 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Fhrp --dlopen procmgr /usr/bin/Fhrp --scheduled  2165 0.0 2.1 ? S Mar 08 00:07:52 LacpTxAgent  2167 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2169 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=KernelFib --dlopen procmgr /usr/bin/KernelFib  2172 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2174 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Qos --dlopen procmgr /usr/bin/Qos  2175 0.0 2.3 ? S Mar 08 00:10:56 KernelFib  2177 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2178 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Thermostat --dlopen procmgr /usr/bin/Thermostat  2179 0.0 2.1 ? S Mar 08 00:07:07 Qos  2181 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2182 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=L2Rib --dlopen procmgr /usr/bin/L2Rib  2183 0.0 1.8 ? S Mar 08 00:07:47 Thermostat  2185 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2186 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=TopoAgent --dlopen procmgr /usr/bin/TopoAgent --scheduled  2187 0.0 2.0 ? S Mar 08 00:05:16 L2Rib  2189 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2191 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=PowerFuse --dlopen procmgr /usr/bin/PowerFuse  2193 0.0 1.9 ? S Mar 08 00:03:36 TopoAgent  2195 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2196 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=VxlanSwFwd --dlopen procmgr /usr/bin/VxlanSwFwd  2197 0.0 1.8 ? S Mar 08 00:03:37 PowerFuse  2200 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2201 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Ebra --dlopen procmgr /usr/bin/Ebra  2202 0.0 2.3 ? S Mar 08 00:10:13 VxlanSwFwd  2205 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2206 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=ReloadCauseAgent --dlopen procmgr /usr/bin/ReloadCauseAgent  2208 0.0 2.3 ? S Mar 08 00:13:22 Ebra  2209 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2210 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=SharedSecretProfile --dlopen procmgr /usr/bin/SharedSecretProfile  2211 0.0 1.8 ? S Mar 08 00:03:47 ReloadCauseAgent  2213 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2215 0.0 2.5 ? S Mar 08 00:07:54 IgmpSnooping  2216 0.0 1.8 ? S Mar 08 00:03:48 SharedSecretProfile  2273 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=StaticRoute --dlopen procmgr /usr/bin/StaticRoute --scheduled  2277 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2278 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=IpRib --dlopen procmgr /usr/bin/IpRib --scheduled  2280 0.0 2.3 ? S Mar 08 00:07:53 StaticRoute  2285 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2286 0.0 2.3 ? S Mar 08 00:09:32 BgpCliHelper  2288 0.0 2.9 ? S Mar 08 00:18:17 IpRib  2290 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=ConnectedRoute --dlopen procmgr /usr/bin/ConnectedRoute  2293 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2295 0.0 2.2 ? S Mar 08 00:07:53 ConnectedRoute  2297 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=RouteInput --dlopen procmgr /usr/bin/RouteInput  2301 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2302 0.0 2.0 ? S Mar 08 00:08:16 EvpnrtrEncap  2303 0.0 2.3 ? S Mar 08 00:08:01 RouteInput  2307 0.0 4.1 ? Sl Mar 08 00:59:45 Bgp  2639 0.0 0.0 ? Ss Mar 08 00:00:00 nginx: master process /usr/sbin/nginx -c /etc/nginx/nginx.conf -g pid /var/run/nginx.pid;  2640 0.0 0.2 ? S Mar 08 00:00:05 nginx: worker process   2729 0.0 0.0 ? S Mar 08 00:00:02 /usr/sbin/dnsmasq  2734 0.0 0.1 ? Ssl Mar 08 00:00:20 /usr/sbin/rsyslogd -n  2967 0.0 0.2 ? Ssl Mar 08 00:07:19 ntpd -u ntp:ntp -g -p /var/run/ntpd.pid  3142 0.0 0.0 ? S Mar 08 00:00:00 /usr/bin/conlogd  3143 0.0 0.0 ? S Mar 08 00:00:00 sh -c /usr/bin/tail -n 0 --retry --follow=name --pid=3142 /var/log/eos-console | sed 's/\(.\*\)/\1\r/'  3144 0.0 0.0 ? S Mar 08 00:02:15 /usr/bin/tail -n 0 --retry --follow=name --pid=3142 /var/log/eos-console  3145 0.0 0.0 ? S Mar 08 00:00:00 sed s/\(.\*\)/\1\r/  3146 0.0 0.0 ttyS0 Ss+ Mar 08 00:00:00 /sbin/mingetty --noclear /dev/ttyS0  3147 0.0 0.0 tty1 Ss+ Mar 08 00:00:00 /sbin/agetty --noclear tty1 linux  8722 0.0 0.0 ? S 14:15:00 00:00:00 [kworker/1:1] 17040 0.0 0.0 ? S 17:12:01 00:00:00 [kworker/0:1] 17492 0.0 0.0 ? S 06:44:57 00:00:00 [kworker/u30:0] 17691 0.0 0.0 ? S 17:27:01 00:00:00 [kworker/0:0] 19133 0.0 0.0 ? S 17:57:01 00:00:00 [kworker/1:0] 19547 0.0 0.0 ? S 18:06:01 00:00:00 [kworker/1:2] 20075 0.0 0.0 ? Rs 18:08:50 00:00:00 ps -e -o pid,pcpu,pmem,tt,stat,lstart,start,time,cmd --sort=-pcpu -ww 24101 0.0 0.0 ? S 09:09:57 00:00:00 [kworker/u30:1] 31602 0.0 0.0 ? S<s May 18 00:00:00 ovsdb-server: monitoring pid 31603 (healthy)  31603 0.0 0.1 ? S< May 18 00:45:58 ovsdb-server /mnt/flash/ovs.db -vconsole:emer -vsyslog:err -vfile:info --remote=punix:/var/run/openvswitch/db.sock --private-key=db:Open\_vSwitch,SSL,private\_key --certificate=db:Open\_vSwitch,SSL,certificate --bootstrap-ca-cert=db:Open\_vSwitch,SSL,ca\_cert --no-chdir --log-file=/var/log/openvswitch/ovsdb-server.log --pidfile=/var/run/openvswitch/ovsdb-server.pid --detach --monitor 31613 0.0 0.0 ? S<s May 18 00:00:00 ovs-vswitchd: monitoring pid 31614 (healthy)  . |

### 5.1.2 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| 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 | 0.39 |
| Test result | True |
| Fail or skip 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 |0.39|. THEN test case result is |True|. OUTPUT of |show processes| is :   18:08:51 up 124 days, 2:45, 1 user, load average: 1.32, 0.73, 0.39  PID %CPU %MEM TT STAT STARTED TIME CMD  2094 1.0 2.7 ? Sl Feb 24 1-08:43:48 /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  2226 0.4 3.3 ? S Feb 24 12:23:19 Etba  1702 0.3 0.6 ? S Feb 24 09:52:38 ProcMgr-worker 18345 0.2 0.9 ? S<Ll May 18 02:15:08 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  1892 0.1 8.7 ? Sl Feb 24 05:55:43 ConfigAgent  2139 0.1 2.1 ? S Feb 24 03:59:07 StpTxRx  2144 0.1 1.7 ? S Feb 24 03:51:40 AgentMonitor  2184 0.1 2.4 ? S Feb 24 05:24:02 Fhrp  2225 0.1 2.1 ? S Feb 24 04:48:18 PhyEthtool  1 0.0 0.1 ? Ss Feb 24 00:01:40 /sbin/init  2 0.0 0.0 ? S Feb 24 00:00:00 [kthreadd]  3 0.0 0.0 ? S Feb 24 00:01:35 [ksoftirqd/0]  5 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/0:0H]  7 0.0 0.0 ? S Feb 24 00:21:01 [rcu\_preempt]  8 0.0 0.0 ? S Feb 24 00:00:00 [rcu\_sched]  9 0.0 0.0 ? S Feb 24 00:00:00 [rcu\_bh]  10 0.0 0.0 ? S Feb 24 00:00:31 [migration/0]  11 0.0 0.0 ? S< Feb 24 00:00:00 [lru-add-drain]  12 0.0 0.0 ? S Feb 24 00:00:00 [watchdog/0]  13 0.0 0.0 ? S Feb 24 00:00:00 [cpuhp/0]  14 0.0 0.0 ? S Feb 24 00:00:00 [cpuhp/1]  15 0.0 0.0 ? S Feb 24 00:00:00 [watchdog/1]  16 0.0 0.0 ? S Feb 24 00:00:31 [migration/1]  17 0.0 0.0 ? S Feb 24 00:00:38 [ksoftirqd/1]  19 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/1:0H]  20 0.0 0.0 ? S Feb 24 00:00:00 [kdevtmpfs]  21 0.0 0.0 ? S< Feb 24 00:00:00 [netns]  22 0.0 0.0 ? S Feb 24 00:00:00 [xenwatch]  23 0.0 0.0 ? S Feb 24 00:00:00 [xenbus]  25 0.0 0.0 ? S Feb 24 00:00:00 [khungtaskd]  26 0.0 0.0 ? S Feb 24 00:03:37 [khungtaskd2]  27 0.0 0.0 ? S Feb 24 00:00:00 [oom\_reaper]  28 0.0 0.0 ? S< Feb 24 00:00:00 [writeback]  29 0.0 0.0 ? S Feb 24 00:00:00 [kcompactd0]  30 0.0 0.0 ? S< Feb 24 00:00:00 [crypto]  31 0.0 0.0 ? S< Feb 24 00:00:00 [kintegrityd]  32 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  33 0.0 0.0 ? S< Feb 24 00:00:00 [kblockd]  34 0.0 0.0 ? S< Feb 24 00:00:00 [ata\_sff]  35 0.0 0.0 ? S< Feb 24 00:00:00 [edac-poller]  36 0.0 0.0 ? S Feb 24 00:00:00 [dst\_gc\_task]  37 0.0 0.0 ? S< Feb 24 00:00:00 [watchdogd]  39 0.0 0.0 ? S Feb 24 00:00:00 [arp\_cache-prd]  40 0.0 0.0 ? S Feb 24 00:00:21 [icmp\_unreachabl]  41 0.0 0.0 ? S< Feb 24 00:00:00 [rpciod]  42 0.0 0.0 ? S< Feb 24 00:00:00 [xprtiod]  43 0.0 0.0 ? S Feb 24 00:00:00 [kswapd0]  44 0.0 0.0 ? S< Feb 24 00:00:00 [vmstat]  45 0.0 0.0 ? S< Feb 24 00:00:00 [nfsiod]  54 0.0 0.0 ? S< Feb 24 00:00:00 [pcielwd]  55 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  56 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  57 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  58 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  59 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  60 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  61 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  62 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  63 0.0 0.0 ? S< Feb 24 00:00:00 [nvme]  64 0.0 0.0 ? S Feb 24 00:00:00 [scsi\_eh\_0]  65 0.0 0.0 ? S< Feb 24 00:00:00 [scsi\_tmf\_0]  66 0.0 0.0 ? S Feb 24 00:00:00 [scsi\_eh\_1]  67 0.0 0.0 ? S< Feb 24 00:00:00 [scsi\_tmf\_1]  70 0.0 0.0 ? S Feb 24 00:00:00 [ndisc\_cache-prd]  71 0.0 0.0 ? S< Feb 24 00:00:00 [ipv6\_addrconf]  72 0.0 0.0 ? S< Feb 24 00:00:00 [ecc\_log\_wq]  73 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  146 0.0 0.0 ? S Feb 24 00:00:04 [jbd2/xvda1-8]  147 0.0 0.0 ? S< Feb 24 00:00:00 [ext4-rsv-conver]  248 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/0:1H]  336 0.0 0.0 ? S< Feb 24 00:00:00 [loop0]  378 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/1:1H]  482 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/lib/systemd/systemd-udevd  535 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/lvmetad -f  796 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/mcelog --ignorenodev --daemon --foreground  800 0.0 0.0 ? Ss Feb 24 00:00:06 /usr/lib/systemd/systemd-logind  802 0.0 0.0 ? Ss Feb 24 00:03:50 /usr/bin/ProcMonitor  805 0.0 0.2 ? Ss Feb 24 00:00:00 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation  810 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid  838 0.0 0.0 ? Ss Feb 24 00:00:54 /usr/sbin/crond -n  877 0.0 0.0 ? S<s Feb 24 00:02:33 /usr/bin/wdogdev -t 100  1025 0.0 0.1 ? S Feb 24 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+ Feb 24 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1056 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/bin/SaveFossil --dedup --compress --priority Sysdb --maxFiles 1000 /var/tmp/Fossil /mnt/flash/Fossil  1067 0.0 0.1 ? S Feb 24 00:00:16 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+ Feb 24 00:00:03 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1078 0.0 0.1 ? S Feb 24 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+ Feb 24 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1106 0.0 0.0 ? Ss Feb 24 00:00:00 /bin/bash /usr/sbin/core\_annotate\_util daemon  1137 0.0 0.0 ? S Feb 24 00:00:00 inotifywait -e modify /var/lib/rpm  1151 0.0 0.0 ? Ss Feb 24 00:11:41 /mnt/flash/dropbear -R -B -p 0.0.0.0:50001  1640 0.0 0.4 ? S Feb 24 00:00:00 netnsd-watcher -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1642 0.0 0.4 ? S Feb 24 00:00:00 netnsd-server -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1701 0.0 1.5 ? S Feb 24 00:00:00 ProcMgr-master  1824 0.0 0.0 ? S Feb 24 00:45:23 /usr/bin/EosOomAdjust  1837 0.0 0.0 ? S Feb 24 00:02:44 [rbfd\_vrf\_cleanu]  1852 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/acpid  1890 0.0 2.0 ? S Feb 24 00:03:50 StageMgr  1891 0.0 0.0 ? S Feb 24 00:13:46 /usr/bin/SlabMonitor  1893 0.0 2.4 ? S Feb 24 00:04:15 Fru  1894 0.0 4.1 ? S Feb 24 01:50:32 Sysdb  1895 0.0 2.7 ? S Feb 24 00:03:55 Launcher  2085 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Lldp --dlopen procmgr /usr/bin/Lldp  2087 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2089 0.0 2.1 ? S Feb 24 00:53:21 Lldp  2090 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=McastCommon --dlopen procmgr /usr/bin/McastCommon  2092 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=PortSec --dlopen procmgr /usr/bin/PortSec  2096 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Bfd --dlopen procmgr /usr/bin/Bfd  2097 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2098 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2099 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Lag --dlopen procmgr /usr/bin/Lag  2101 0.0 2.0 ? S Feb 24 00:05:47 PortSec  2102 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2106 0.0 4.0 ? S Feb 24 02:36:12 SuperServer  2107 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2108 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Ira --dlopen procmgr /usr/bin/Ira  2109 0.0 2.4 ? S Feb 24 00:11:35 Bfd  2110 0.0 2.0 ? S Feb 24 00:08:40 McastCommon  2113 0.0 2.4 ? S Feb 24 00:40:52 Lag  2117 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2118 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=LedPolicy --dlopen procmgr /usr/bin/LedPolicy  2119 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2120 0.0 2.6 ? S Feb 24 00:08:50 Ira  2122 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Vxlan --dlopen procmgr /usr/bin/Vxlan  2123 0.0 2.0 ? S Feb 24 00:15:13 LedPolicy  2125 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=EventMgr --dlopen procmgr /usr/bin/EventMgr  2126 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2127 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=CapiApp --dlopen procmgr /usr/bin/CapiApp --ini /etc/uwsgi/CapiApp.ini  2128 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2130 0.0 2.2 ? S Feb 24 00:24:02 EventMgr  2131 0.0 2.4 ? S Feb 24 00:08:04 Vxlan  2134 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StpTxRx --dlopen procmgr /usr/bin/StpTxRx  2136 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2137 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2138 0.0 2.1 ? Sl Feb 24 00:04:05 CapiApp -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2140 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StandbyCpld --dlopen procmgr /usr/bin/StandbyCpld  2141 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=AgentMonitor --dlopen procmgr /usr/bin/AgentMonitor  2142 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2143 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2146 0.0 1.8 ? S Feb 24 00:03:57 StandbyCpld  2147 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Tunnel --dlopen procmgr /usr/bin/Tunnel  2149 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Arp --dlopen procmgr /usr/bin/Arp  2152 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2154 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2155 0.0 2.0 ? S Feb 24 00:05:50 Tunnel  2156 0.0 2.3 ? Sl Feb 24 00:05:25 Aaa  2157 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StpTopology --dlopen procmgr /usr/bin/StpTopology  2158 0.0 2.6 ? Sl Feb 24 00:37:05 Arp  2159 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Acl --dlopen procmgr /usr/bin/Acl  2161 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2162 0.0 2.0 ? S Feb 24 00:08:47 StpTopology  2163 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2164 0.0 2.4 ? S Feb 24 00:55:38 Acl  2165 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Stp --dlopen procmgr /usr/bin/Stp  2166 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2167 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=KernelNetworkInfo --dlopen procmgr /usr/bin/KernelNetworkInfo  2169 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2170 0.0 1.9 ? S Feb 24 00:20:11 KernelNetworkInfo  2171 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=McastCommon6 --dlopen procmgr /usr/bin/McastCommon6  2172 0.0 2.0 ? S Feb 24 01:10:20 Stp  2173 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2174 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=LacpTxAgent --dlopen procmgr /usr/bin/LacpTxAgent  2175 0.0 2.0 ? S Feb 24 00:08:45 McastCommon6  2176 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2178 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Fhrp --dlopen procmgr /usr/bin/Fhrp --scheduled  2179 0.0 2.1 ? S Feb 24 00:08:49 LacpTxAgent  2180 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=KernelFib --dlopen procmgr /usr/bin/KernelFib  2181 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2183 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Qos --dlopen procmgr /usr/bin/Qos  2185 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2186 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Thermostat --dlopen procmgr /usr/bin/Thermostat  2187 0.0 2.4 ? S Feb 24 00:12:03 KernelFib  2188 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2189 0.0 2.0 ? S Feb 24 00:07:26 Qos  2190 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2193 0.0 1.8 ? S Feb 24 00:08:41 Thermostat  2194 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=L2Rib --dlopen procmgr /usr/bin/L2Rib  2195 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2196 0.0 2.0 ? S Feb 24 00:05:34 L2Rib  2197 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=TopoAgent --dlopen procmgr /usr/bin/TopoAgent --scheduled  2198 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2200 0.0 2.0 ? S Feb 24 00:03:54 TopoAgent  2201 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=PowerFuse --dlopen procmgr /usr/bin/PowerFuse  2202 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2203 0.0 1.8 ? S Feb 24 00:03:50 PowerFuse  2206 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=VxlanSwFwd --dlopen procmgr /usr/bin/VxlanSwFwd  2207 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2208 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Ebra --dlopen procmgr /usr/bin/Ebra  2209 0.0 2.3 ? S Feb 24 00:11:21 VxlanSwFwd  2210 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=ReloadCauseAgent --dlopen procmgr /usr/bin/ReloadCauseAgent  2212 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2213 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2214 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=SharedSecretProfile --dlopen procmgr /usr/bin/SharedSecretProfile  2215 0.0 2.4 ? S Feb 24 00:14:22 Ebra  2216 0.0 1.8 ? S Feb 24 00:03:59 ReloadCauseAgent  2217 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2218 0.0 2.5 ? S Feb 24 00:08:40 IgmpSnooping  2219 0.0 1.8 ? S Feb 24 00:04:05 SharedSecretProfile  2280 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StaticRoute --dlopen procmgr /usr/bin/StaticRoute --scheduled  2284 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2286 0.0 2.4 ? S Feb 24 00:08:06 StaticRoute  2291 0.0 2.4 ? S Feb 24 00:10:11 BgpCliHelper  2294 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=ConnectedRoute --dlopen procmgr /usr/bin/ConnectedRoute  2297 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2298 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=RouteInput --dlopen procmgr /usr/bin/RouteInput  2300 0.0 2.2 ? S Feb 24 00:08:18 ConnectedRoute  2304 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2305 0.0 2.0 ? S Feb 24 00:08:16 EvpnrtrEncap  2306 0.0 2.3 ? S Feb 24 00:07:59 RouteInput  2313 0.0 4.0 ? Sl Feb 24 01:01:31 Bgp  2364 0.0 0.0 ? S May 06 00:00:00 netns --agenttitle=IpRib --dlopen procmgr /usr/bin/IpRib --scheduled  2365 0.0 0.3 ? Ss May 06 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2366 0.0 2.8 ? S May 06 00:08:41 IpRib  2911 0.0 0.0 ? S Feb 24 00:00:02 /usr/sbin/dnsmasq  2970 0.0 0.0 ? Ss Feb 24 00:00:00 nginx: master process /usr/sbin/nginx -c /etc/nginx/nginx.conf -g pid /var/run/nginx.pid;  2972 0.0 0.2 ? S Feb 24 00:00:47 nginx: worker process   3051 0.0 0.2 ? Ssl Feb 24 00:06:26 ntpd -u ntp:ntp -g -p /var/run/ntpd.pid  3279 0.0 0.0 ? S Feb 24 00:00:00 /usr/bin/conlogd  3280 0.0 0.0 ttyS0 Ss+ Feb 24 00:00:00 /sbin/mingetty --noclear /dev/ttyS0  3281 0.0 0.0 tty1 Ss+ Feb 24 00:00:00 /sbin/agetty --noclear tty1 linux  3283 0.0 0.0 ? S Feb 24 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 Feb 24 00:02:06 /usr/bin/tail -n 0 --retry --follow=name --pid=3279 /var/log/eos-console  3286 0.0 0.0 ? S Feb 24 00:00:00 sed s/\(.\*\)/\1\r/ 14379 0.0 0.1 ? Ssl 20:32:54 00:00:00 /usr/sbin/rsyslogd -n 14593 0.0 0.0 ? S 13:08:00 00:00:00 [kworker/1:1] 15321 0.0 0.0 ? S 13:25:28 00:00:00 [kworker/u30:2] 18333 0.0 0.0 ? S<s May 18 00:00:00 ovsdb-server: monitoring pid 18334 (healthy)  18334 0.0 0.1 ? S< May 18 00:43:40 ovsdb-server /mnt/flash/ovs.db -vconsole:emer -vsyslog:err -vfile:info --remote=punix:/var/run/openvswitch/db.sock --private-key=db:Open\_vSwitch,SSL,private\_key --certificate=db:Open\_vSwitch,SSL,certificate --bootstrap-ca-cert=db:Open\_vSwitch,SSL,ca\_cert --no-chdir --log-file=/var/log/openvswitch/ovsdb-server.log --pidfile=/var/run/openvswitch/ovsdb-server.pid --detach --monitor 18344 0.0 0.0 ? S<s May 18 00:00:00 ovs-vswitchd: monitoring pid 18345 (healthy)  18871 0.0 0.0 ? S 14:35:00 00:00:00 [kworker/0:2] 22783 0.0 0.0 ? S 21:07:31 00:00:00 [kworker/u30:1] 24968 0.0 0.2 ? Ss 16:49:50 00:00:00 sshd: cvpadmin [priv]  24984 0.0 0.1 ? S 16:49:56 00:00:00 sshd: cvpadmin@pts/3  24987 0.0 0.3 pts/3 Ssl+ 16:49:56 00:00:00 CliShell --sysname ar --privilege 1 25000 0.0 0.2 pts/4 Ss+ 16:50:06 00:00:00 /bin/bash -l 28394 0.0 0.0 ? S 17:54:00 00:00:00 [kworker/0:1] 28591 0.0 0.0 ? S 17:59:00 00:00:00 [kworker/1:2] 29451 0.0 0.0 ? Rs 18:08:50 00:00:00 ps -e -o pid,pcpu,pmem,tt,stat,lstart,start,time,cmd --sort=-pcpu -ww . |

## 5.2 Test Case: Test 1 min cpu utlization

### 5.2.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| 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 | 0.73 |
| Test result | True |
| Fail or skip 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 |0.73|. THEN test case result is |True|. OUTPUT of |show processes| is :   18:08:51 up 124 days, 2:45, 1 user, load average: 1.32, 0.73, 0.39  PID %CPU %MEM TT STAT STARTED TIME CMD  2094 1.0 2.7 ? Sl Feb 24 1-08:43:48 /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  2226 0.4 3.3 ? S Feb 24 12:23:19 Etba  1702 0.3 0.6 ? S Feb 24 09:52:38 ProcMgr-worker 18345 0.2 0.9 ? S<Ll May 18 02:15:08 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  1892 0.1 8.7 ? Sl Feb 24 05:55:43 ConfigAgent  2139 0.1 2.1 ? S Feb 24 03:59:07 StpTxRx  2144 0.1 1.7 ? S Feb 24 03:51:40 AgentMonitor  2184 0.1 2.4 ? S Feb 24 05:24:02 Fhrp  2225 0.1 2.1 ? S Feb 24 04:48:18 PhyEthtool  1 0.0 0.1 ? Ss Feb 24 00:01:40 /sbin/init  2 0.0 0.0 ? S Feb 24 00:00:00 [kthreadd]  3 0.0 0.0 ? S Feb 24 00:01:35 [ksoftirqd/0]  5 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/0:0H]  7 0.0 0.0 ? S Feb 24 00:21:01 [rcu\_preempt]  8 0.0 0.0 ? S Feb 24 00:00:00 [rcu\_sched]  9 0.0 0.0 ? S Feb 24 00:00:00 [rcu\_bh]  10 0.0 0.0 ? S Feb 24 00:00:31 [migration/0]  11 0.0 0.0 ? S< Feb 24 00:00:00 [lru-add-drain]  12 0.0 0.0 ? S Feb 24 00:00:00 [watchdog/0]  13 0.0 0.0 ? S Feb 24 00:00:00 [cpuhp/0]  14 0.0 0.0 ? S Feb 24 00:00:00 [cpuhp/1]  15 0.0 0.0 ? S Feb 24 00:00:00 [watchdog/1]  16 0.0 0.0 ? S Feb 24 00:00:31 [migration/1]  17 0.0 0.0 ? S Feb 24 00:00:38 [ksoftirqd/1]  19 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/1:0H]  20 0.0 0.0 ? S Feb 24 00:00:00 [kdevtmpfs]  21 0.0 0.0 ? S< Feb 24 00:00:00 [netns]  22 0.0 0.0 ? S Feb 24 00:00:00 [xenwatch]  23 0.0 0.0 ? S Feb 24 00:00:00 [xenbus]  25 0.0 0.0 ? S Feb 24 00:00:00 [khungtaskd]  26 0.0 0.0 ? S Feb 24 00:03:37 [khungtaskd2]  27 0.0 0.0 ? S Feb 24 00:00:00 [oom\_reaper]  28 0.0 0.0 ? S< Feb 24 00:00:00 [writeback]  29 0.0 0.0 ? S Feb 24 00:00:00 [kcompactd0]  30 0.0 0.0 ? S< Feb 24 00:00:00 [crypto]  31 0.0 0.0 ? S< Feb 24 00:00:00 [kintegrityd]  32 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  33 0.0 0.0 ? S< Feb 24 00:00:00 [kblockd]  34 0.0 0.0 ? S< Feb 24 00:00:00 [ata\_sff]  35 0.0 0.0 ? S< Feb 24 00:00:00 [edac-poller]  36 0.0 0.0 ? S Feb 24 00:00:00 [dst\_gc\_task]  37 0.0 0.0 ? S< Feb 24 00:00:00 [watchdogd]  39 0.0 0.0 ? S Feb 24 00:00:00 [arp\_cache-prd]  40 0.0 0.0 ? S Feb 24 00:00:21 [icmp\_unreachabl]  41 0.0 0.0 ? S< Feb 24 00:00:00 [rpciod]  42 0.0 0.0 ? S< Feb 24 00:00:00 [xprtiod]  43 0.0 0.0 ? S Feb 24 00:00:00 [kswapd0]  44 0.0 0.0 ? S< Feb 24 00:00:00 [vmstat]  45 0.0 0.0 ? S< Feb 24 00:00:00 [nfsiod]  54 0.0 0.0 ? S< Feb 24 00:00:00 [pcielwd]  55 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  56 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  57 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  58 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  59 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  60 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  61 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  62 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  63 0.0 0.0 ? S< Feb 24 00:00:00 [nvme]  64 0.0 0.0 ? S Feb 24 00:00:00 [scsi\_eh\_0]  65 0.0 0.0 ? S< Feb 24 00:00:00 [scsi\_tmf\_0]  66 0.0 0.0 ? S Feb 24 00:00:00 [scsi\_eh\_1]  67 0.0 0.0 ? S< Feb 24 00:00:00 [scsi\_tmf\_1]  70 0.0 0.0 ? S Feb 24 00:00:00 [ndisc\_cache-prd]  71 0.0 0.0 ? S< Feb 24 00:00:00 [ipv6\_addrconf]  72 0.0 0.0 ? S< Feb 24 00:00:00 [ecc\_log\_wq]  73 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  146 0.0 0.0 ? S Feb 24 00:00:04 [jbd2/xvda1-8]  147 0.0 0.0 ? S< Feb 24 00:00:00 [ext4-rsv-conver]  248 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/0:1H]  336 0.0 0.0 ? S< Feb 24 00:00:00 [loop0]  378 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/1:1H]  482 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/lib/systemd/systemd-udevd  535 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/lvmetad -f  796 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/mcelog --ignorenodev --daemon --foreground  800 0.0 0.0 ? Ss Feb 24 00:00:06 /usr/lib/systemd/systemd-logind  802 0.0 0.0 ? Ss Feb 24 00:03:50 /usr/bin/ProcMonitor  805 0.0 0.2 ? Ss Feb 24 00:00:00 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation  810 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid  838 0.0 0.0 ? Ss Feb 24 00:00:54 /usr/sbin/crond -n  877 0.0 0.0 ? S<s Feb 24 00:02:33 /usr/bin/wdogdev -t 100  1025 0.0 0.1 ? S Feb 24 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+ Feb 24 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1056 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/bin/SaveFossil --dedup --compress --priority Sysdb --maxFiles 1000 /var/tmp/Fossil /mnt/flash/Fossil  1067 0.0 0.1 ? S Feb 24 00:00:16 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+ Feb 24 00:00:03 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1078 0.0 0.1 ? S Feb 24 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+ Feb 24 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1106 0.0 0.0 ? Ss Feb 24 00:00:00 /bin/bash /usr/sbin/core\_annotate\_util daemon  1137 0.0 0.0 ? S Feb 24 00:00:00 inotifywait -e modify /var/lib/rpm  1151 0.0 0.0 ? Ss Feb 24 00:11:41 /mnt/flash/dropbear -R -B -p 0.0.0.0:50001  1640 0.0 0.4 ? S Feb 24 00:00:00 netnsd-watcher -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1642 0.0 0.4 ? S Feb 24 00:00:00 netnsd-server -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1701 0.0 1.5 ? S Feb 24 00:00:00 ProcMgr-master  1824 0.0 0.0 ? S Feb 24 00:45:23 /usr/bin/EosOomAdjust  1837 0.0 0.0 ? S Feb 24 00:02:44 [rbfd\_vrf\_cleanu]  1852 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/acpid  1890 0.0 2.0 ? S Feb 24 00:03:50 StageMgr  1891 0.0 0.0 ? S Feb 24 00:13:46 /usr/bin/SlabMonitor  1893 0.0 2.4 ? S Feb 24 00:04:15 Fru  1894 0.0 4.1 ? S Feb 24 01:50:32 Sysdb  1895 0.0 2.7 ? S Feb 24 00:03:55 Launcher  2085 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Lldp --dlopen procmgr /usr/bin/Lldp  2087 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2089 0.0 2.1 ? S Feb 24 00:53:21 Lldp  2090 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=McastCommon --dlopen procmgr /usr/bin/McastCommon  2092 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=PortSec --dlopen procmgr /usr/bin/PortSec  2096 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Bfd --dlopen procmgr /usr/bin/Bfd  2097 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2098 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2099 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Lag --dlopen procmgr /usr/bin/Lag  2101 0.0 2.0 ? S Feb 24 00:05:47 PortSec  2102 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2106 0.0 4.0 ? S Feb 24 02:36:12 SuperServer  2107 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2108 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Ira --dlopen procmgr /usr/bin/Ira  2109 0.0 2.4 ? S Feb 24 00:11:35 Bfd  2110 0.0 2.0 ? S Feb 24 00:08:40 McastCommon  2113 0.0 2.4 ? S Feb 24 00:40:52 Lag  2117 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2118 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=LedPolicy --dlopen procmgr /usr/bin/LedPolicy  2119 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2120 0.0 2.6 ? S Feb 24 00:08:50 Ira  2122 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Vxlan --dlopen procmgr /usr/bin/Vxlan  2123 0.0 2.0 ? S Feb 24 00:15:13 LedPolicy  2125 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=EventMgr --dlopen procmgr /usr/bin/EventMgr  2126 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2127 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=CapiApp --dlopen procmgr /usr/bin/CapiApp --ini /etc/uwsgi/CapiApp.ini  2128 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2130 0.0 2.2 ? S Feb 24 00:24:02 EventMgr  2131 0.0 2.4 ? S Feb 24 00:08:04 Vxlan  2134 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StpTxRx --dlopen procmgr /usr/bin/StpTxRx  2136 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2137 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2138 0.0 2.1 ? Sl Feb 24 00:04:05 CapiApp -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2140 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StandbyCpld --dlopen procmgr /usr/bin/StandbyCpld  2141 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=AgentMonitor --dlopen procmgr /usr/bin/AgentMonitor  2142 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2143 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2146 0.0 1.8 ? S Feb 24 00:03:57 StandbyCpld  2147 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Tunnel --dlopen procmgr /usr/bin/Tunnel  2149 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Arp --dlopen procmgr /usr/bin/Arp  2152 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2154 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2155 0.0 2.0 ? S Feb 24 00:05:50 Tunnel  2156 0.0 2.3 ? Sl Feb 24 00:05:25 Aaa  2157 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StpTopology --dlopen procmgr /usr/bin/StpTopology  2158 0.0 2.6 ? Sl Feb 24 00:37:05 Arp  2159 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Acl --dlopen procmgr /usr/bin/Acl  2161 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2162 0.0 2.0 ? S Feb 24 00:08:47 StpTopology  2163 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2164 0.0 2.4 ? S Feb 24 00:55:38 Acl  2165 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Stp --dlopen procmgr /usr/bin/Stp  2166 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2167 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=KernelNetworkInfo --dlopen procmgr /usr/bin/KernelNetworkInfo  2169 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2170 0.0 1.9 ? S Feb 24 00:20:11 KernelNetworkInfo  2171 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=McastCommon6 --dlopen procmgr /usr/bin/McastCommon6  2172 0.0 2.0 ? S Feb 24 01:10:20 Stp  2173 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2174 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=LacpTxAgent --dlopen procmgr /usr/bin/LacpTxAgent  2175 0.0 2.0 ? S Feb 24 00:08:45 McastCommon6  2176 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2178 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Fhrp --dlopen procmgr /usr/bin/Fhrp --scheduled  2179 0.0 2.1 ? S Feb 24 00:08:49 LacpTxAgent  2180 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=KernelFib --dlopen procmgr /usr/bin/KernelFib  2181 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2183 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Qos --dlopen procmgr /usr/bin/Qos  2185 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2186 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Thermostat --dlopen procmgr /usr/bin/Thermostat  2187 0.0 2.4 ? S Feb 24 00:12:03 KernelFib  2188 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2189 0.0 2.0 ? S Feb 24 00:07:26 Qos  2190 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2193 0.0 1.8 ? S Feb 24 00:08:41 Thermostat  2194 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=L2Rib --dlopen procmgr /usr/bin/L2Rib  2195 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2196 0.0 2.0 ? S Feb 24 00:05:34 L2Rib  2197 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=TopoAgent --dlopen procmgr /usr/bin/TopoAgent --scheduled  2198 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2200 0.0 2.0 ? S Feb 24 00:03:54 TopoAgent  2201 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=PowerFuse --dlopen procmgr /usr/bin/PowerFuse  2202 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2203 0.0 1.8 ? S Feb 24 00:03:50 PowerFuse  2206 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=VxlanSwFwd --dlopen procmgr /usr/bin/VxlanSwFwd  2207 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2208 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Ebra --dlopen procmgr /usr/bin/Ebra  2209 0.0 2.3 ? S Feb 24 00:11:21 VxlanSwFwd  2210 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=ReloadCauseAgent --dlopen procmgr /usr/bin/ReloadCauseAgent  2212 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2213 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2214 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=SharedSecretProfile --dlopen procmgr /usr/bin/SharedSecretProfile  2215 0.0 2.4 ? S Feb 24 00:14:22 Ebra  2216 0.0 1.8 ? S Feb 24 00:03:59 ReloadCauseAgent  2217 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2218 0.0 2.5 ? S Feb 24 00:08:40 IgmpSnooping  2219 0.0 1.8 ? S Feb 24 00:04:05 SharedSecretProfile  2280 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StaticRoute --dlopen procmgr /usr/bin/StaticRoute --scheduled  2284 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2286 0.0 2.4 ? S Feb 24 00:08:06 StaticRoute  2291 0.0 2.4 ? S Feb 24 00:10:11 BgpCliHelper  2294 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=ConnectedRoute --dlopen procmgr /usr/bin/ConnectedRoute  2297 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2298 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=RouteInput --dlopen procmgr /usr/bin/RouteInput  2300 0.0 2.2 ? S Feb 24 00:08:18 ConnectedRoute  2304 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2305 0.0 2.0 ? S Feb 24 00:08:16 EvpnrtrEncap  2306 0.0 2.3 ? S Feb 24 00:07:59 RouteInput  2313 0.0 4.0 ? Sl Feb 24 01:01:31 Bgp  2364 0.0 0.0 ? S May 06 00:00:00 netns --agenttitle=IpRib --dlopen procmgr /usr/bin/IpRib --scheduled  2365 0.0 0.3 ? Ss May 06 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2366 0.0 2.8 ? S May 06 00:08:41 IpRib  2911 0.0 0.0 ? S Feb 24 00:00:02 /usr/sbin/dnsmasq  2970 0.0 0.0 ? Ss Feb 24 00:00:00 nginx: master process /usr/sbin/nginx -c /etc/nginx/nginx.conf -g pid /var/run/nginx.pid;  2972 0.0 0.2 ? S Feb 24 00:00:47 nginx: worker process   3051 0.0 0.2 ? Ssl Feb 24 00:06:26 ntpd -u ntp:ntp -g -p /var/run/ntpd.pid  3279 0.0 0.0 ? S Feb 24 00:00:00 /usr/bin/conlogd  3280 0.0 0.0 ttyS0 Ss+ Feb 24 00:00:00 /sbin/mingetty --noclear /dev/ttyS0  3281 0.0 0.0 tty1 Ss+ Feb 24 00:00:00 /sbin/agetty --noclear tty1 linux  3283 0.0 0.0 ? S Feb 24 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 Feb 24 00:02:06 /usr/bin/tail -n 0 --retry --follow=name --pid=3279 /var/log/eos-console  3286 0.0 0.0 ? S Feb 24 00:00:00 sed s/\(.\*\)/\1\r/ 14379 0.0 0.1 ? Ssl 20:32:54 00:00:00 /usr/sbin/rsyslogd -n 14593 0.0 0.0 ? S 13:08:00 00:00:00 [kworker/1:1] 15321 0.0 0.0 ? S 13:25:28 00:00:00 [kworker/u30:2] 18333 0.0 0.0 ? S<s May 18 00:00:00 ovsdb-server: monitoring pid 18334 (healthy)  18334 0.0 0.1 ? S< May 18 00:43:40 ovsdb-server /mnt/flash/ovs.db -vconsole:emer -vsyslog:err -vfile:info --remote=punix:/var/run/openvswitch/db.sock --private-key=db:Open\_vSwitch,SSL,private\_key --certificate=db:Open\_vSwitch,SSL,certificate --bootstrap-ca-cert=db:Open\_vSwitch,SSL,ca\_cert --no-chdir --log-file=/var/log/openvswitch/ovsdb-server.log --pidfile=/var/run/openvswitch/ovsdb-server.pid --detach --monitor 18344 0.0 0.0 ? S<s May 18 00:00:00 ovs-vswitchd: monitoring pid 18345 (healthy)  18871 0.0 0.0 ? S 14:35:00 00:00:00 [kworker/0:2] 22783 0.0 0.0 ? S 21:07:31 00:00:00 [kworker/u30:1] 24968 0.0 0.2 ? Ss 16:49:50 00:00:00 sshd: cvpadmin [priv]  24984 0.0 0.1 ? S 16:49:56 00:00:00 sshd: cvpadmin@pts/3  24987 0.0 0.3 pts/3 Ssl+ 16:49:56 00:00:00 CliShell --sysname ar --privilege 1 25000 0.0 0.2 pts/4 Ss+ 16:50:06 00:00:00 /bin/bash -l 28394 0.0 0.0 ? S 17:54:00 00:00:00 [kworker/0:1] 28591 0.0 0.0 ? S 17:59:00 00:00:00 [kworker/1:2] 29451 0.0 0.0 ? Rs 18:08:50 00:00:00 ps -e -o pid,pcpu,pmem,tt,stat,lstart,start,time,cmd --sort=-pcpu -ww . |

### 5.2.2 DUT: BL2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| Name | test\_1\_min\_cpu\_utlization\_on\_ |
| Description | Verify 1 minute CPU % is under specificied value |
| Device under test | BL2 |
| Show command | show processes |
| Expected output | 10 |
| Actual output | 0.19 |
| Test result | True |
| Fail or skip reason |  |
| Comment | TEST if 1 minute CPU utilization is less than specified value on |BL2|. GIVEN CPU utilization is less than |10|. WHEN CPU utilization is |0.19|. THEN test case result is |True|. OUTPUT of |show processes| is :   18:08:51 up 111 days, 19:45, 0 users, load average: 0.29, 0.21, 0.18  PID %CPU %MEM TT STAT STARTED TIME CMD  2072 1.0 2.6 ? Sl Mar 08 1-03:51:30 /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  2219 0.4 3.2 ? S Mar 08 11:14:11 Etba  1702 0.3 0.6 ? S Mar 08 09:14:57 ProcMgr-worker 31614 0.2 0.9 ? S<Ll May 18 02:39:21 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  1884 0.1 8.6 ? Sl Mar 08 05:10:11 ConfigAgent  2115 0.1 2.1 ? S Mar 08 03:37:19 StpTxRx  2127 0.1 1.7 ? S Mar 08 03:25:44 AgentMonitor  2170 0.1 2.3 ? S Mar 08 04:51:52 Fhrp  2223 0.1 2.1 ? S Mar 08 04:31:24 PhyEthtool  1 0.0 0.1 ? Ss Mar 08 00:01:33 /sbin/init  2 0.0 0.0 ? S Mar 08 00:00:00 [kthreadd]  3 0.0 0.0 ? S Mar 08 00:01:29 [ksoftirqd/0]  5 0.0 0.0 ? S< Mar 08 00:00:00 [kworker/0:0H]  7 0.0 0.0 ? S Mar 08 00:18:41 [rcu\_preempt]  8 0.0 0.0 ? S Mar 08 00:00:00 [rcu\_sched]  9 0.0 0.0 ? S Mar 08 00:00:00 [rcu\_bh]  10 0.0 0.0 ? S Mar 08 00:00:30 [migration/0]  11 0.0 0.0 ? S< Mar 08 00:00:00 [lru-add-drain]  12 0.0 0.0 ? S Mar 08 00:00:00 [watchdog/0]  13 0.0 0.0 ? S Mar 08 00:00:00 [cpuhp/0]  14 0.0 0.0 ? S Mar 08 00:00:00 [cpuhp/1]  15 0.0 0.0 ? S Mar 08 00:00:00 [watchdog/1]  16 0.0 0.0 ? S Mar 08 00:00:30 [migration/1]  17 0.0 0.0 ? S Mar 08 00:00:40 [ksoftirqd/1]  19 0.0 0.0 ? S< Mar 08 00:00:00 [kworker/1:0H]  20 0.0 0.0 ? S Mar 08 00:00:00 [kdevtmpfs]  21 0.0 0.0 ? S< Mar 08 00:00:00 [netns]  22 0.0 0.0 ? S Mar 08 00:00:00 [xenwatch]  23 0.0 0.0 ? S Mar 08 00:00:00 [xenbus]  25 0.0 0.0 ? S Mar 08 00:00:00 [khungtaskd]  26 0.0 0.0 ? S Mar 08 00:03:42 [khungtaskd2]  27 0.0 0.0 ? S Mar 08 00:00:00 [oom\_reaper]  28 0.0 0.0 ? S< Mar 08 00:00:00 [writeback]  29 0.0 0.0 ? S Mar 08 00:00:00 [kcompactd0]  30 0.0 0.0 ? S< Mar 08 00:00:00 [crypto]  31 0.0 0.0 ? S< Mar 08 00:00:00 [kintegrityd]  32 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  33 0.0 0.0 ? S< Mar 08 00:00:00 [kblockd]  34 0.0 0.0 ? S< Mar 08 00:00:00 [ata\_sff]  35 0.0 0.0 ? S< Mar 08 00:00:00 [edac-poller]  36 0.0 0.0 ? S Mar 08 00:00:00 [dst\_gc\_task]  37 0.0 0.0 ? S< Mar 08 00:00:00 [watchdogd]  39 0.0 0.0 ? S Mar 08 00:00:00 [arp\_cache-prd]  40 0.0 0.0 ? S Mar 08 00:00:23 [icmp\_unreachabl]  41 0.0 0.0 ? S< Mar 08 00:00:00 [rpciod]  42 0.0 0.0 ? S< Mar 08 00:00:00 [xprtiod]  43 0.0 0.0 ? S Mar 08 00:00:00 [kswapd0]  44 0.0 0.0 ? S< Mar 08 00:00:00 [vmstat]  45 0.0 0.0 ? S< Mar 08 00:00:00 [nfsiod]  54 0.0 0.0 ? S< Mar 08 00:00:00 [pcielwd]  55 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  56 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  57 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  58 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  59 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  60 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  61 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  62 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  63 0.0 0.0 ? S< Mar 08 00:00:00 [nvme]  64 0.0 0.0 ? S Mar 08 00:00:00 [scsi\_eh\_0]  65 0.0 0.0 ? S< Mar 08 00:00:00 [scsi\_tmf\_0]  66 0.0 0.0 ? S Mar 08 00:00:00 [scsi\_eh\_1]  67 0.0 0.0 ? S< Mar 08 00:00:00 [scsi\_tmf\_1]  70 0.0 0.0 ? S Mar 08 00:00:00 [ndisc\_cache-prd]  71 0.0 0.0 ? S< Mar 08 00:00:00 [ipv6\_addrconf]  72 0.0 0.0 ? S< Mar 08 00:00:00 [ecc\_log\_wq]  73 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  146 0.0 0.0 ? S Mar 08 00:00:04 [jbd2/xvda1-8]  147 0.0 0.0 ? S< Mar 08 00:00:00 [ext4-rsv-conver]  248 0.0 0.0 ? S< Mar 08 00:00:00 [kworker/0:1H]  298 0.0 0.0 ? S< Mar 08 00:00:00 [kworker/1:1H]  337 0.0 0.0 ? S< Mar 08 00:00:00 [loop0]  446 0.0 0.0 ? Ss Mar 08 00:00:00 /usr/lib/systemd/systemd-udevd  517 0.0 0.0 ? Ss Mar 08 00:00:00 /usr/sbin/lvmetad -f  805 0.0 0.0 ? Ss Mar 08 00:00:00 /usr/sbin/mcelog --ignorenodev --daemon --foreground  808 0.0 0.0 ? Ss Mar 08 00:00:05 /usr/lib/systemd/systemd-logind  809 0.0 0.0 ? Ss Mar 08 00:03:41 /usr/bin/ProcMonitor  813 0.0 0.2 ? Ss Mar 08 00:00:00 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation  849 0.0 0.0 ? Ss Mar 08 00:00:00 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid  969 0.0 0.0 ? Ss Mar 08 00:00:55 /usr/sbin/crond -n  985 0.0 0.0 ? S<s Mar 08 00:02:43 /usr/bin/wdogdev -t 100  1047 0.0 0.0 ? Ss Mar 08 00:00:00 /usr/bin/SaveFossil --dedup --compress --priority Sysdb --maxFiles 1000 /var/tmp/Fossil /mnt/flash/Fossil  1051 0.0 0.1 ? S Mar 08 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  1052 0.0 0.0 pts/0 Ss+ Mar 08 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1062 0.0 0.1 ? S Mar 08 00:00:16 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  1064 0.0 0.0 pts/1 Ss+ Mar 08 00:00:03 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1078 0.0 0.1 ? S Mar 08 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+ Mar 08 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1106 0.0 0.0 ? Ss Mar 08 00:00:00 /bin/bash /usr/sbin/core\_annotate\_util daemon  1131 0.0 0.0 ? S Mar 08 00:00:00 inotifywait -e modify /var/lib/rpm  1151 0.0 0.0 ? Ss Mar 08 00:10:47 /mnt/flash/dropbear -R -B -p 0.0.0.0:50001  1640 0.0 0.4 ? S Mar 08 00:00:00 netnsd-watcher -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1642 0.0 0.4 ? S Mar 08 00:00:00 netnsd-server -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1701 0.0 1.5 ? S Mar 08 00:00:00 ProcMgr-master  1816 0.0 0.0 ? S Mar 08 00:43:33 /usr/bin/EosOomAdjust  1829 0.0 0.0 ? S Mar 08 00:03:04 [rbfd\_vrf\_cleanu]  1844 0.0 0.0 ? Ss Mar 08 00:00:00 /usr/sbin/acpid  1882 0.0 2.0 ? S Mar 08 00:03:26 StageMgr  1883 0.0 0.0 ? S Mar 08 00:14:04 /usr/bin/SlabMonitor  1885 0.0 2.4 ? S Mar 08 00:04:09 Fru  1886 0.0 4.1 ? S Mar 08 01:42:17 Sysdb  1887 0.0 2.6 ? S Mar 08 00:03:32 Launcher  2062 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Lldp --dlopen procmgr /usr/bin/Lldp  2064 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=McastCommon --dlopen procmgr /usr/bin/McastCommon  2065 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2067 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2068 0.0 2.1 ? S Mar 08 00:07:50 McastCommon  2069 0.0 2.1 ? S Mar 08 00:52:21 Lldp  2071 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=PortSec --dlopen procmgr /usr/bin/PortSec  2074 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2075 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Bfd --dlopen procmgr /usr/bin/Bfd  2079 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2081 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Lag --dlopen procmgr /usr/bin/Lag  2082 0.0 2.0 ? S Mar 08 00:05:28 PortSec  2083 0.0 2.4 ? S Mar 08 00:10:36 Bfd  2084 0.0 3.9 ? S Mar 08 02:27:10 SuperServer  2085 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2087 0.0 2.3 ? S Mar 08 00:46:56 Lag  2089 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Ira --dlopen procmgr /usr/bin/Ira  2090 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=LedPolicy --dlopen procmgr /usr/bin/LedPolicy  2092 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2094 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2095 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Vxlan --dlopen procmgr /usr/bin/Vxlan  2097 0.0 2.6 ? S Mar 08 00:07:49 Ira  2098 0.0 2.0 ? S Mar 08 00:14:48 LedPolicy  2099 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2101 0.0 2.3 ? S Mar 08 00:07:07 Vxlan  2102 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=EventMgr --dlopen procmgr /usr/bin/EventMgr  2104 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2105 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=CapiApp --dlopen procmgr /usr/bin/CapiApp --ini /etc/uwsgi/CapiApp.ini  2107 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2108 0.0 2.2 ? S Mar 08 00:21:43 EventMgr  2110 0.0 2.1 ? Sl Mar 08 00:03:23 CapiApp -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2112 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=StpTxRx --dlopen procmgr /usr/bin/StpTxRx  2113 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2116 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=StandbyCpld --dlopen procmgr /usr/bin/StandbyCpld  2119 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=AgentMonitor --dlopen procmgr /usr/bin/AgentMonitor  2120 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2123 0.0 1.8 ? S Mar 08 00:03:38 StandbyCpld  2125 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2126 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Tunnel --dlopen procmgr /usr/bin/Tunnel  2130 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2131 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Arp --dlopen procmgr /usr/bin/Arp  2132 0.0 2.0 ? S Mar 08 00:05:26 Tunnel  2133 0.0 2.3 ? Sl Mar 08 00:03:57 Aaa  2135 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2136 0.0 2.5 ? Sl Mar 08 00:32:07 Arp  2138 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=StpTopology --dlopen procmgr /usr/bin/StpTopology  2141 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2142 0.0 2.0 ? S Mar 08 00:07:54 StpTopology  2144 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Acl --dlopen procmgr /usr/bin/Acl  2147 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2148 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Stp --dlopen procmgr /usr/bin/Stp  2149 0.0 2.3 ? S Mar 08 00:50:14 Acl  2151 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=KernelNetworkInfo --dlopen procmgr /usr/bin/KernelNetworkInfo  2152 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2153 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2155 0.0 2.0 ? S Mar 08 01:09:10 Stp  2156 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=McastCommon6 --dlopen procmgr /usr/bin/McastCommon6  2157 0.0 1.8 ? S Mar 08 00:19:07 KernelNetworkInfo  2159 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=LacpTxAgent --dlopen procmgr /usr/bin/LacpTxAgent  2160 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2161 0.0 2.0 ? S Mar 08 00:07:45 McastCommon6  2162 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2164 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Fhrp --dlopen procmgr /usr/bin/Fhrp --scheduled  2165 0.0 2.1 ? S Mar 08 00:07:52 LacpTxAgent  2167 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2169 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=KernelFib --dlopen procmgr /usr/bin/KernelFib  2172 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2174 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Qos --dlopen procmgr /usr/bin/Qos  2175 0.0 2.3 ? S Mar 08 00:10:56 KernelFib  2177 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2178 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Thermostat --dlopen procmgr /usr/bin/Thermostat  2179 0.0 2.1 ? S Mar 08 00:07:07 Qos  2181 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2182 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=L2Rib --dlopen procmgr /usr/bin/L2Rib  2183 0.0 1.8 ? S Mar 08 00:07:47 Thermostat  2185 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2186 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=TopoAgent --dlopen procmgr /usr/bin/TopoAgent --scheduled  2187 0.0 2.0 ? S Mar 08 00:05:16 L2Rib  2189 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2191 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=PowerFuse --dlopen procmgr /usr/bin/PowerFuse  2193 0.0 1.9 ? S Mar 08 00:03:36 TopoAgent  2195 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2196 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=VxlanSwFwd --dlopen procmgr /usr/bin/VxlanSwFwd  2197 0.0 1.8 ? S Mar 08 00:03:37 PowerFuse  2200 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2201 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Ebra --dlopen procmgr /usr/bin/Ebra  2202 0.0 2.3 ? S Mar 08 00:10:13 VxlanSwFwd  2205 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2206 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=ReloadCauseAgent --dlopen procmgr /usr/bin/ReloadCauseAgent  2208 0.0 2.3 ? S Mar 08 00:13:22 Ebra  2209 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2210 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=SharedSecretProfile --dlopen procmgr /usr/bin/SharedSecretProfile  2211 0.0 1.8 ? S Mar 08 00:03:47 ReloadCauseAgent  2213 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2215 0.0 2.5 ? S Mar 08 00:07:54 IgmpSnooping  2216 0.0 1.8 ? S Mar 08 00:03:48 SharedSecretProfile  2273 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=StaticRoute --dlopen procmgr /usr/bin/StaticRoute --scheduled  2277 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2278 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=IpRib --dlopen procmgr /usr/bin/IpRib --scheduled  2280 0.0 2.3 ? S Mar 08 00:07:53 StaticRoute  2285 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2286 0.0 2.3 ? S Mar 08 00:09:32 BgpCliHelper  2288 0.0 2.9 ? S Mar 08 00:18:17 IpRib  2290 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=ConnectedRoute --dlopen procmgr /usr/bin/ConnectedRoute  2293 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2295 0.0 2.2 ? S Mar 08 00:07:53 ConnectedRoute  2297 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=RouteInput --dlopen procmgr /usr/bin/RouteInput  2301 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2302 0.0 2.0 ? S Mar 08 00:08:16 EvpnrtrEncap  2303 0.0 2.3 ? S Mar 08 00:08:01 RouteInput  2307 0.0 4.1 ? Sl Mar 08 00:59:45 Bgp  2639 0.0 0.0 ? Ss Mar 08 00:00:00 nginx: master process /usr/sbin/nginx -c /etc/nginx/nginx.conf -g pid /var/run/nginx.pid;  2640 0.0 0.2 ? S Mar 08 00:00:05 nginx: worker process   2729 0.0 0.0 ? S Mar 08 00:00:02 /usr/sbin/dnsmasq  2734 0.0 0.1 ? Ssl Mar 08 00:00:20 /usr/sbin/rsyslogd -n  2967 0.0 0.2 ? Ssl Mar 08 00:07:19 ntpd -u ntp:ntp -g -p /var/run/ntpd.pid  3142 0.0 0.0 ? S Mar 08 00:00:00 /usr/bin/conlogd  3143 0.0 0.0 ? S Mar 08 00:00:00 sh -c /usr/bin/tail -n 0 --retry --follow=name --pid=3142 /var/log/eos-console | sed 's/\(.\*\)/\1\r/'  3144 0.0 0.0 ? S Mar 08 00:02:15 /usr/bin/tail -n 0 --retry --follow=name --pid=3142 /var/log/eos-console  3145 0.0 0.0 ? S Mar 08 00:00:00 sed s/\(.\*\)/\1\r/  3146 0.0 0.0 ttyS0 Ss+ Mar 08 00:00:00 /sbin/mingetty --noclear /dev/ttyS0  3147 0.0 0.0 tty1 Ss+ Mar 08 00:00:00 /sbin/agetty --noclear tty1 linux  8722 0.0 0.0 ? S 14:15:00 00:00:00 [kworker/1:1] 17040 0.0 0.0 ? S 17:12:01 00:00:00 [kworker/0:1] 17492 0.0 0.0 ? S 06:44:57 00:00:00 [kworker/u30:0] 17691 0.0 0.0 ? S 17:27:01 00:00:00 [kworker/0:0] 19133 0.0 0.0 ? S 17:57:01 00:00:00 [kworker/1:0] 19547 0.0 0.0 ? S 18:06:01 00:00:00 [kworker/1:2] 20075 0.0 0.0 ? Rs 18:08:50 00:00:00 ps -e -o pid,pcpu,pmem,tt,stat,lstart,start,time,cmd --sort=-pcpu -ww 24101 0.0 0.0 ? S 09:09:57 00:00:00 [kworker/u30:1] 31602 0.0 0.0 ? S<s May 18 00:00:00 ovsdb-server: monitoring pid 31603 (healthy)  31603 0.0 0.1 ? S< May 18 00:45:58 ovsdb-server /mnt/flash/ovs.db -vconsole:emer -vsyslog:err -vfile:info --remote=punix:/var/run/openvswitch/db.sock --private-key=db:Open\_vSwitch,SSL,private\_key --certificate=db:Open\_vSwitch,SSL,certificate --bootstrap-ca-cert=db:Open\_vSwitch,SSL,ca\_cert --no-chdir --log-file=/var/log/openvswitch/ovsdb-server.log --pidfile=/var/run/openvswitch/ovsdb-server.pid --detach --monitor 31613 0.0 0.0 ? S<s May 18 00:00:00 ovs-vswitchd: monitoring pid 31614 (healthy)  . |

## 5.3 Test Case: Test 1 sec cpu utlization

### 5.3.1 DUT: BL2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| Name | test\_1\_sec\_cpu\_utlization\_on\_ |
| Description | Verify 1 second CPU % is under specificied value |
| Device under test | BL2 |
| Show command | show processes |
| Expected output | 1 |
| Actual output | 0.23 |
| Test result | True |
| Fail or skip reason |  |
| Comment | TEST if 1 second CPU utilization is less than specified value on |BL2|. GIVEN CPU utilization is less than |1|. WHEN CPU utilization is |0.23|. THEN test case result is |True|. OUTPUT of |show processes| is :   18:08:51 up 111 days, 19:45, 0 users, load average: 0.29, 0.21, 0.18  PID %CPU %MEM TT STAT STARTED TIME CMD  2072 1.0 2.6 ? Sl Mar 08 1-03:51:30 /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  2219 0.4 3.2 ? S Mar 08 11:14:11 Etba  1702 0.3 0.6 ? S Mar 08 09:14:57 ProcMgr-worker 31614 0.2 0.9 ? S<Ll May 18 02:39:21 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  1884 0.1 8.6 ? Sl Mar 08 05:10:11 ConfigAgent  2115 0.1 2.1 ? S Mar 08 03:37:19 StpTxRx  2127 0.1 1.7 ? S Mar 08 03:25:44 AgentMonitor  2170 0.1 2.3 ? S Mar 08 04:51:52 Fhrp  2223 0.1 2.1 ? S Mar 08 04:31:24 PhyEthtool  1 0.0 0.1 ? Ss Mar 08 00:01:33 /sbin/init  2 0.0 0.0 ? S Mar 08 00:00:00 [kthreadd]  3 0.0 0.0 ? S Mar 08 00:01:29 [ksoftirqd/0]  5 0.0 0.0 ? S< Mar 08 00:00:00 [kworker/0:0H]  7 0.0 0.0 ? S Mar 08 00:18:41 [rcu\_preempt]  8 0.0 0.0 ? S Mar 08 00:00:00 [rcu\_sched]  9 0.0 0.0 ? S Mar 08 00:00:00 [rcu\_bh]  10 0.0 0.0 ? S Mar 08 00:00:30 [migration/0]  11 0.0 0.0 ? S< Mar 08 00:00:00 [lru-add-drain]  12 0.0 0.0 ? S Mar 08 00:00:00 [watchdog/0]  13 0.0 0.0 ? S Mar 08 00:00:00 [cpuhp/0]  14 0.0 0.0 ? S Mar 08 00:00:00 [cpuhp/1]  15 0.0 0.0 ? S Mar 08 00:00:00 [watchdog/1]  16 0.0 0.0 ? S Mar 08 00:00:30 [migration/1]  17 0.0 0.0 ? S Mar 08 00:00:40 [ksoftirqd/1]  19 0.0 0.0 ? S< Mar 08 00:00:00 [kworker/1:0H]  20 0.0 0.0 ? S Mar 08 00:00:00 [kdevtmpfs]  21 0.0 0.0 ? S< Mar 08 00:00:00 [netns]  22 0.0 0.0 ? S Mar 08 00:00:00 [xenwatch]  23 0.0 0.0 ? S Mar 08 00:00:00 [xenbus]  25 0.0 0.0 ? S Mar 08 00:00:00 [khungtaskd]  26 0.0 0.0 ? S Mar 08 00:03:42 [khungtaskd2]  27 0.0 0.0 ? S Mar 08 00:00:00 [oom\_reaper]  28 0.0 0.0 ? S< Mar 08 00:00:00 [writeback]  29 0.0 0.0 ? S Mar 08 00:00:00 [kcompactd0]  30 0.0 0.0 ? S< Mar 08 00:00:00 [crypto]  31 0.0 0.0 ? S< Mar 08 00:00:00 [kintegrityd]  32 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  33 0.0 0.0 ? S< Mar 08 00:00:00 [kblockd]  34 0.0 0.0 ? S< Mar 08 00:00:00 [ata\_sff]  35 0.0 0.0 ? S< Mar 08 00:00:00 [edac-poller]  36 0.0 0.0 ? S Mar 08 00:00:00 [dst\_gc\_task]  37 0.0 0.0 ? S< Mar 08 00:00:00 [watchdogd]  39 0.0 0.0 ? S Mar 08 00:00:00 [arp\_cache-prd]  40 0.0 0.0 ? S Mar 08 00:00:23 [icmp\_unreachabl]  41 0.0 0.0 ? S< Mar 08 00:00:00 [rpciod]  42 0.0 0.0 ? S< Mar 08 00:00:00 [xprtiod]  43 0.0 0.0 ? S Mar 08 00:00:00 [kswapd0]  44 0.0 0.0 ? S< Mar 08 00:00:00 [vmstat]  45 0.0 0.0 ? S< Mar 08 00:00:00 [nfsiod]  54 0.0 0.0 ? S< Mar 08 00:00:00 [pcielwd]  55 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  56 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  57 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  58 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  59 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  60 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  61 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  62 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  63 0.0 0.0 ? S< Mar 08 00:00:00 [nvme]  64 0.0 0.0 ? S Mar 08 00:00:00 [scsi\_eh\_0]  65 0.0 0.0 ? S< Mar 08 00:00:00 [scsi\_tmf\_0]  66 0.0 0.0 ? S Mar 08 00:00:00 [scsi\_eh\_1]  67 0.0 0.0 ? S< Mar 08 00:00:00 [scsi\_tmf\_1]  70 0.0 0.0 ? S Mar 08 00:00:00 [ndisc\_cache-prd]  71 0.0 0.0 ? S< Mar 08 00:00:00 [ipv6\_addrconf]  72 0.0 0.0 ? S< Mar 08 00:00:00 [ecc\_log\_wq]  73 0.0 0.0 ? S< Mar 08 00:00:00 [bioset]  146 0.0 0.0 ? S Mar 08 00:00:04 [jbd2/xvda1-8]  147 0.0 0.0 ? S< Mar 08 00:00:00 [ext4-rsv-conver]  248 0.0 0.0 ? S< Mar 08 00:00:00 [kworker/0:1H]  298 0.0 0.0 ? S< Mar 08 00:00:00 [kworker/1:1H]  337 0.0 0.0 ? S< Mar 08 00:00:00 [loop0]  446 0.0 0.0 ? Ss Mar 08 00:00:00 /usr/lib/systemd/systemd-udevd  517 0.0 0.0 ? Ss Mar 08 00:00:00 /usr/sbin/lvmetad -f  805 0.0 0.0 ? Ss Mar 08 00:00:00 /usr/sbin/mcelog --ignorenodev --daemon --foreground  808 0.0 0.0 ? Ss Mar 08 00:00:05 /usr/lib/systemd/systemd-logind  809 0.0 0.0 ? Ss Mar 08 00:03:41 /usr/bin/ProcMonitor  813 0.0 0.2 ? Ss Mar 08 00:00:00 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation  849 0.0 0.0 ? Ss Mar 08 00:00:00 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid  969 0.0 0.0 ? Ss Mar 08 00:00:55 /usr/sbin/crond -n  985 0.0 0.0 ? S<s Mar 08 00:02:43 /usr/bin/wdogdev -t 100  1047 0.0 0.0 ? Ss Mar 08 00:00:00 /usr/bin/SaveFossil --dedup --compress --priority Sysdb --maxFiles 1000 /var/tmp/Fossil /mnt/flash/Fossil  1051 0.0 0.1 ? S Mar 08 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  1052 0.0 0.0 pts/0 Ss+ Mar 08 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1062 0.0 0.1 ? S Mar 08 00:00:16 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  1064 0.0 0.0 pts/1 Ss+ Mar 08 00:00:03 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1078 0.0 0.1 ? S Mar 08 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+ Mar 08 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1106 0.0 0.0 ? Ss Mar 08 00:00:00 /bin/bash /usr/sbin/core\_annotate\_util daemon  1131 0.0 0.0 ? S Mar 08 00:00:00 inotifywait -e modify /var/lib/rpm  1151 0.0 0.0 ? Ss Mar 08 00:10:47 /mnt/flash/dropbear -R -B -p 0.0.0.0:50001  1640 0.0 0.4 ? S Mar 08 00:00:00 netnsd-watcher -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1642 0.0 0.4 ? S Mar 08 00:00:00 netnsd-server -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1701 0.0 1.5 ? S Mar 08 00:00:00 ProcMgr-master  1816 0.0 0.0 ? S Mar 08 00:43:33 /usr/bin/EosOomAdjust  1829 0.0 0.0 ? S Mar 08 00:03:04 [rbfd\_vrf\_cleanu]  1844 0.0 0.0 ? Ss Mar 08 00:00:00 /usr/sbin/acpid  1882 0.0 2.0 ? S Mar 08 00:03:26 StageMgr  1883 0.0 0.0 ? S Mar 08 00:14:04 /usr/bin/SlabMonitor  1885 0.0 2.4 ? S Mar 08 00:04:09 Fru  1886 0.0 4.1 ? S Mar 08 01:42:17 Sysdb  1887 0.0 2.6 ? S Mar 08 00:03:32 Launcher  2062 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Lldp --dlopen procmgr /usr/bin/Lldp  2064 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=McastCommon --dlopen procmgr /usr/bin/McastCommon  2065 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2067 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2068 0.0 2.1 ? S Mar 08 00:07:50 McastCommon  2069 0.0 2.1 ? S Mar 08 00:52:21 Lldp  2071 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=PortSec --dlopen procmgr /usr/bin/PortSec  2074 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2075 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Bfd --dlopen procmgr /usr/bin/Bfd  2079 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2081 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Lag --dlopen procmgr /usr/bin/Lag  2082 0.0 2.0 ? S Mar 08 00:05:28 PortSec  2083 0.0 2.4 ? S Mar 08 00:10:36 Bfd  2084 0.0 3.9 ? S Mar 08 02:27:10 SuperServer  2085 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2087 0.0 2.3 ? S Mar 08 00:46:56 Lag  2089 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Ira --dlopen procmgr /usr/bin/Ira  2090 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=LedPolicy --dlopen procmgr /usr/bin/LedPolicy  2092 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2094 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2095 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Vxlan --dlopen procmgr /usr/bin/Vxlan  2097 0.0 2.6 ? S Mar 08 00:07:49 Ira  2098 0.0 2.0 ? S Mar 08 00:14:48 LedPolicy  2099 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2101 0.0 2.3 ? S Mar 08 00:07:07 Vxlan  2102 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=EventMgr --dlopen procmgr /usr/bin/EventMgr  2104 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2105 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=CapiApp --dlopen procmgr /usr/bin/CapiApp --ini /etc/uwsgi/CapiApp.ini  2107 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2108 0.0 2.2 ? S Mar 08 00:21:43 EventMgr  2110 0.0 2.1 ? Sl Mar 08 00:03:23 CapiApp -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2112 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=StpTxRx --dlopen procmgr /usr/bin/StpTxRx  2113 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2116 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=StandbyCpld --dlopen procmgr /usr/bin/StandbyCpld  2119 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=AgentMonitor --dlopen procmgr /usr/bin/AgentMonitor  2120 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2123 0.0 1.8 ? S Mar 08 00:03:38 StandbyCpld  2125 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2126 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Tunnel --dlopen procmgr /usr/bin/Tunnel  2130 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2131 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Arp --dlopen procmgr /usr/bin/Arp  2132 0.0 2.0 ? S Mar 08 00:05:26 Tunnel  2133 0.0 2.3 ? Sl Mar 08 00:03:57 Aaa  2135 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2136 0.0 2.5 ? Sl Mar 08 00:32:07 Arp  2138 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=StpTopology --dlopen procmgr /usr/bin/StpTopology  2141 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2142 0.0 2.0 ? S Mar 08 00:07:54 StpTopology  2144 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Acl --dlopen procmgr /usr/bin/Acl  2147 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2148 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Stp --dlopen procmgr /usr/bin/Stp  2149 0.0 2.3 ? S Mar 08 00:50:14 Acl  2151 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=KernelNetworkInfo --dlopen procmgr /usr/bin/KernelNetworkInfo  2152 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2153 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2155 0.0 2.0 ? S Mar 08 01:09:10 Stp  2156 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=McastCommon6 --dlopen procmgr /usr/bin/McastCommon6  2157 0.0 1.8 ? S Mar 08 00:19:07 KernelNetworkInfo  2159 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=LacpTxAgent --dlopen procmgr /usr/bin/LacpTxAgent  2160 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2161 0.0 2.0 ? S Mar 08 00:07:45 McastCommon6  2162 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2164 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Fhrp --dlopen procmgr /usr/bin/Fhrp --scheduled  2165 0.0 2.1 ? S Mar 08 00:07:52 LacpTxAgent  2167 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2169 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=KernelFib --dlopen procmgr /usr/bin/KernelFib  2172 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2174 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Qos --dlopen procmgr /usr/bin/Qos  2175 0.0 2.3 ? S Mar 08 00:10:56 KernelFib  2177 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2178 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Thermostat --dlopen procmgr /usr/bin/Thermostat  2179 0.0 2.1 ? S Mar 08 00:07:07 Qos  2181 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2182 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=L2Rib --dlopen procmgr /usr/bin/L2Rib  2183 0.0 1.8 ? S Mar 08 00:07:47 Thermostat  2185 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2186 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=TopoAgent --dlopen procmgr /usr/bin/TopoAgent --scheduled  2187 0.0 2.0 ? S Mar 08 00:05:16 L2Rib  2189 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2191 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=PowerFuse --dlopen procmgr /usr/bin/PowerFuse  2193 0.0 1.9 ? S Mar 08 00:03:36 TopoAgent  2195 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2196 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=VxlanSwFwd --dlopen procmgr /usr/bin/VxlanSwFwd  2197 0.0 1.8 ? S Mar 08 00:03:37 PowerFuse  2200 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2201 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=Ebra --dlopen procmgr /usr/bin/Ebra  2202 0.0 2.3 ? S Mar 08 00:10:13 VxlanSwFwd  2205 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2206 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=ReloadCauseAgent --dlopen procmgr /usr/bin/ReloadCauseAgent  2208 0.0 2.3 ? S Mar 08 00:13:22 Ebra  2209 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2210 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=SharedSecretProfile --dlopen procmgr /usr/bin/SharedSecretProfile  2211 0.0 1.8 ? S Mar 08 00:03:47 ReloadCauseAgent  2213 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2215 0.0 2.5 ? S Mar 08 00:07:54 IgmpSnooping  2216 0.0 1.8 ? S Mar 08 00:03:48 SharedSecretProfile  2273 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=StaticRoute --dlopen procmgr /usr/bin/StaticRoute --scheduled  2277 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2278 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=IpRib --dlopen procmgr /usr/bin/IpRib --scheduled  2280 0.0 2.3 ? S Mar 08 00:07:53 StaticRoute  2285 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2286 0.0 2.3 ? S Mar 08 00:09:32 BgpCliHelper  2288 0.0 2.9 ? S Mar 08 00:18:17 IpRib  2290 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=ConnectedRoute --dlopen procmgr /usr/bin/ConnectedRoute  2293 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2295 0.0 2.2 ? S Mar 08 00:07:53 ConnectedRoute  2297 0.0 0.0 ? S Mar 08 00:00:00 netns --agenttitle=RouteInput --dlopen procmgr /usr/bin/RouteInput  2301 0.0 0.3 ? Ss Mar 08 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2302 0.0 2.0 ? S Mar 08 00:08:16 EvpnrtrEncap  2303 0.0 2.3 ? S Mar 08 00:08:01 RouteInput  2307 0.0 4.1 ? Sl Mar 08 00:59:45 Bgp  2639 0.0 0.0 ? Ss Mar 08 00:00:00 nginx: master process /usr/sbin/nginx -c /etc/nginx/nginx.conf -g pid /var/run/nginx.pid;  2640 0.0 0.2 ? S Mar 08 00:00:05 nginx: worker process   2729 0.0 0.0 ? S Mar 08 00:00:02 /usr/sbin/dnsmasq  2734 0.0 0.1 ? Ssl Mar 08 00:00:20 /usr/sbin/rsyslogd -n  2967 0.0 0.2 ? Ssl Mar 08 00:07:19 ntpd -u ntp:ntp -g -p /var/run/ntpd.pid  3142 0.0 0.0 ? S Mar 08 00:00:00 /usr/bin/conlogd  3143 0.0 0.0 ? S Mar 08 00:00:00 sh -c /usr/bin/tail -n 0 --retry --follow=name --pid=3142 /var/log/eos-console | sed 's/\(.\*\)/\1\r/'  3144 0.0 0.0 ? S Mar 08 00:02:15 /usr/bin/tail -n 0 --retry --follow=name --pid=3142 /var/log/eos-console  3145 0.0 0.0 ? S Mar 08 00:00:00 sed s/\(.\*\)/\1\r/  3146 0.0 0.0 ttyS0 Ss+ Mar 08 00:00:00 /sbin/mingetty --noclear /dev/ttyS0  3147 0.0 0.0 tty1 Ss+ Mar 08 00:00:00 /sbin/agetty --noclear tty1 linux  8722 0.0 0.0 ? S 14:15:00 00:00:00 [kworker/1:1] 17040 0.0 0.0 ? S 17:12:01 00:00:00 [kworker/0:1] 17492 0.0 0.0 ? S 06:44:57 00:00:00 [kworker/u30:0] 17691 0.0 0.0 ? S 17:27:01 00:00:00 [kworker/0:0] 19133 0.0 0.0 ? S 17:57:01 00:00:00 [kworker/1:0] 19547 0.0 0.0 ? S 18:06:01 00:00:00 [kworker/1:2] 20075 0.0 0.0 ? Rs 18:08:50 00:00:00 ps -e -o pid,pcpu,pmem,tt,stat,lstart,start,time,cmd --sort=-pcpu -ww 24101 0.0 0.0 ? S 09:09:57 00:00:00 [kworker/u30:1] 31602 0.0 0.0 ? S<s May 18 00:00:00 ovsdb-server: monitoring pid 31603 (healthy)  31603 0.0 0.1 ? S< May 18 00:45:58 ovsdb-server /mnt/flash/ovs.db -vconsole:emer -vsyslog:err -vfile:info --remote=punix:/var/run/openvswitch/db.sock --private-key=db:Open\_vSwitch,SSL,private\_key --certificate=db:Open\_vSwitch,SSL,certificate --bootstrap-ca-cert=db:Open\_vSwitch,SSL,ca\_cert --no-chdir --log-file=/var/log/openvswitch/ovsdb-server.log --pidfile=/var/run/openvswitch/ovsdb-server.pid --detach --monitor 31613 0.0 0.0 ? S<s May 18 00:00:00 ovs-vswitchd: monitoring pid 31614 (healthy)  . |

### 5.3.2 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| 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 | 1.32 |
| Test result | False |
| Fail or skip reason | On router |BL1| 1 second CPU load average is |1.32%| 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 |1.32|. THEN test case result is |False|. OUTPUT of |show processes| is :   18:08:51 up 124 days, 2:45, 1 user, load average: 1.32, 0.73, 0.39  PID %CPU %MEM TT STAT STARTED TIME CMD  2094 1.0 2.7 ? Sl Feb 24 1-08:43:48 /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  2226 0.4 3.3 ? S Feb 24 12:23:19 Etba  1702 0.3 0.6 ? S Feb 24 09:52:38 ProcMgr-worker 18345 0.2 0.9 ? S<Ll May 18 02:15:08 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  1892 0.1 8.7 ? Sl Feb 24 05:55:43 ConfigAgent  2139 0.1 2.1 ? S Feb 24 03:59:07 StpTxRx  2144 0.1 1.7 ? S Feb 24 03:51:40 AgentMonitor  2184 0.1 2.4 ? S Feb 24 05:24:02 Fhrp  2225 0.1 2.1 ? S Feb 24 04:48:18 PhyEthtool  1 0.0 0.1 ? Ss Feb 24 00:01:40 /sbin/init  2 0.0 0.0 ? S Feb 24 00:00:00 [kthreadd]  3 0.0 0.0 ? S Feb 24 00:01:35 [ksoftirqd/0]  5 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/0:0H]  7 0.0 0.0 ? S Feb 24 00:21:01 [rcu\_preempt]  8 0.0 0.0 ? S Feb 24 00:00:00 [rcu\_sched]  9 0.0 0.0 ? S Feb 24 00:00:00 [rcu\_bh]  10 0.0 0.0 ? S Feb 24 00:00:31 [migration/0]  11 0.0 0.0 ? S< Feb 24 00:00:00 [lru-add-drain]  12 0.0 0.0 ? S Feb 24 00:00:00 [watchdog/0]  13 0.0 0.0 ? S Feb 24 00:00:00 [cpuhp/0]  14 0.0 0.0 ? S Feb 24 00:00:00 [cpuhp/1]  15 0.0 0.0 ? S Feb 24 00:00:00 [watchdog/1]  16 0.0 0.0 ? S Feb 24 00:00:31 [migration/1]  17 0.0 0.0 ? S Feb 24 00:00:38 [ksoftirqd/1]  19 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/1:0H]  20 0.0 0.0 ? S Feb 24 00:00:00 [kdevtmpfs]  21 0.0 0.0 ? S< Feb 24 00:00:00 [netns]  22 0.0 0.0 ? S Feb 24 00:00:00 [xenwatch]  23 0.0 0.0 ? S Feb 24 00:00:00 [xenbus]  25 0.0 0.0 ? S Feb 24 00:00:00 [khungtaskd]  26 0.0 0.0 ? S Feb 24 00:03:37 [khungtaskd2]  27 0.0 0.0 ? S Feb 24 00:00:00 [oom\_reaper]  28 0.0 0.0 ? S< Feb 24 00:00:00 [writeback]  29 0.0 0.0 ? S Feb 24 00:00:00 [kcompactd0]  30 0.0 0.0 ? S< Feb 24 00:00:00 [crypto]  31 0.0 0.0 ? S< Feb 24 00:00:00 [kintegrityd]  32 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  33 0.0 0.0 ? S< Feb 24 00:00:00 [kblockd]  34 0.0 0.0 ? S< Feb 24 00:00:00 [ata\_sff]  35 0.0 0.0 ? S< Feb 24 00:00:00 [edac-poller]  36 0.0 0.0 ? S Feb 24 00:00:00 [dst\_gc\_task]  37 0.0 0.0 ? S< Feb 24 00:00:00 [watchdogd]  39 0.0 0.0 ? S Feb 24 00:00:00 [arp\_cache-prd]  40 0.0 0.0 ? S Feb 24 00:00:21 [icmp\_unreachabl]  41 0.0 0.0 ? S< Feb 24 00:00:00 [rpciod]  42 0.0 0.0 ? S< Feb 24 00:00:00 [xprtiod]  43 0.0 0.0 ? S Feb 24 00:00:00 [kswapd0]  44 0.0 0.0 ? S< Feb 24 00:00:00 [vmstat]  45 0.0 0.0 ? S< Feb 24 00:00:00 [nfsiod]  54 0.0 0.0 ? S< Feb 24 00:00:00 [pcielwd]  55 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  56 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  57 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  58 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  59 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  60 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  61 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  62 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  63 0.0 0.0 ? S< Feb 24 00:00:00 [nvme]  64 0.0 0.0 ? S Feb 24 00:00:00 [scsi\_eh\_0]  65 0.0 0.0 ? S< Feb 24 00:00:00 [scsi\_tmf\_0]  66 0.0 0.0 ? S Feb 24 00:00:00 [scsi\_eh\_1]  67 0.0 0.0 ? S< Feb 24 00:00:00 [scsi\_tmf\_1]  70 0.0 0.0 ? S Feb 24 00:00:00 [ndisc\_cache-prd]  71 0.0 0.0 ? S< Feb 24 00:00:00 [ipv6\_addrconf]  72 0.0 0.0 ? S< Feb 24 00:00:00 [ecc\_log\_wq]  73 0.0 0.0 ? S< Feb 24 00:00:00 [bioset]  146 0.0 0.0 ? S Feb 24 00:00:04 [jbd2/xvda1-8]  147 0.0 0.0 ? S< Feb 24 00:00:00 [ext4-rsv-conver]  248 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/0:1H]  336 0.0 0.0 ? S< Feb 24 00:00:00 [loop0]  378 0.0 0.0 ? S< Feb 24 00:00:00 [kworker/1:1H]  482 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/lib/systemd/systemd-udevd  535 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/lvmetad -f  796 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/mcelog --ignorenodev --daemon --foreground  800 0.0 0.0 ? Ss Feb 24 00:00:06 /usr/lib/systemd/systemd-logind  802 0.0 0.0 ? Ss Feb 24 00:03:50 /usr/bin/ProcMonitor  805 0.0 0.2 ? Ss Feb 24 00:00:00 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation  810 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/xinetd -stayalive -pidfile /var/run/xinetd.pid  838 0.0 0.0 ? Ss Feb 24 00:00:54 /usr/sbin/crond -n  877 0.0 0.0 ? S<s Feb 24 00:02:33 /usr/bin/wdogdev -t 100  1025 0.0 0.1 ? S Feb 24 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+ Feb 24 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1056 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/bin/SaveFossil --dedup --compress --priority Sysdb --maxFiles 1000 /var/tmp/Fossil /mnt/flash/Fossil  1067 0.0 0.1 ? S Feb 24 00:00:16 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+ Feb 24 00:00:03 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1078 0.0 0.1 ? S Feb 24 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+ Feb 24 00:00:00 inotifywait -m -r -e modify -e create -e delete -e attrib -e move .  1106 0.0 0.0 ? Ss Feb 24 00:00:00 /bin/bash /usr/sbin/core\_annotate\_util daemon  1137 0.0 0.0 ? S Feb 24 00:00:00 inotifywait -e modify /var/lib/rpm  1151 0.0 0.0 ? Ss Feb 24 00:11:41 /mnt/flash/dropbear -R -B -p 0.0.0.0:50001  1640 0.0 0.4 ? S Feb 24 00:00:00 netnsd-watcher -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1642 0.0 0.4 ? S Feb 24 00:00:00 netnsd-server -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  1701 0.0 1.5 ? S Feb 24 00:00:00 ProcMgr-master  1824 0.0 0.0 ? S Feb 24 00:45:23 /usr/bin/EosOomAdjust  1837 0.0 0.0 ? S Feb 24 00:02:44 [rbfd\_vrf\_cleanu]  1852 0.0 0.0 ? Ss Feb 24 00:00:00 /usr/sbin/acpid  1890 0.0 2.0 ? S Feb 24 00:03:50 StageMgr  1891 0.0 0.0 ? S Feb 24 00:13:46 /usr/bin/SlabMonitor  1893 0.0 2.4 ? S Feb 24 00:04:15 Fru  1894 0.0 4.1 ? S Feb 24 01:50:32 Sysdb  1895 0.0 2.7 ? S Feb 24 00:03:55 Launcher  2085 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Lldp --dlopen procmgr /usr/bin/Lldp  2087 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2089 0.0 2.1 ? S Feb 24 00:53:21 Lldp  2090 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=McastCommon --dlopen procmgr /usr/bin/McastCommon  2092 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=PortSec --dlopen procmgr /usr/bin/PortSec  2096 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Bfd --dlopen procmgr /usr/bin/Bfd  2097 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2098 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2099 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Lag --dlopen procmgr /usr/bin/Lag  2101 0.0 2.0 ? S Feb 24 00:05:47 PortSec  2102 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2106 0.0 4.0 ? S Feb 24 02:36:12 SuperServer  2107 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2108 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Ira --dlopen procmgr /usr/bin/Ira  2109 0.0 2.4 ? S Feb 24 00:11:35 Bfd  2110 0.0 2.0 ? S Feb 24 00:08:40 McastCommon  2113 0.0 2.4 ? S Feb 24 00:40:52 Lag  2117 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2118 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=LedPolicy --dlopen procmgr /usr/bin/LedPolicy  2119 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2120 0.0 2.6 ? S Feb 24 00:08:50 Ira  2122 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Vxlan --dlopen procmgr /usr/bin/Vxlan  2123 0.0 2.0 ? S Feb 24 00:15:13 LedPolicy  2125 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=EventMgr --dlopen procmgr /usr/bin/EventMgr  2126 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2127 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=CapiApp --dlopen procmgr /usr/bin/CapiApp --ini /etc/uwsgi/CapiApp.ini  2128 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2130 0.0 2.2 ? S Feb 24 00:24:02 EventMgr  2131 0.0 2.4 ? S Feb 24 00:08:04 Vxlan  2134 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StpTxRx --dlopen procmgr /usr/bin/StpTxRx  2136 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2137 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2138 0.0 2.1 ? Sl Feb 24 00:04:05 CapiApp -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2140 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StandbyCpld --dlopen procmgr /usr/bin/StandbyCpld  2141 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=AgentMonitor --dlopen procmgr /usr/bin/AgentMonitor  2142 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2143 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2146 0.0 1.8 ? S Feb 24 00:03:57 StandbyCpld  2147 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Tunnel --dlopen procmgr /usr/bin/Tunnel  2149 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Arp --dlopen procmgr /usr/bin/Arp  2152 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2154 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2155 0.0 2.0 ? S Feb 24 00:05:50 Tunnel  2156 0.0 2.3 ? Sl Feb 24 00:05:25 Aaa  2157 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StpTopology --dlopen procmgr /usr/bin/StpTopology  2158 0.0 2.6 ? Sl Feb 24 00:37:05 Arp  2159 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Acl --dlopen procmgr /usr/bin/Acl  2161 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2162 0.0 2.0 ? S Feb 24 00:08:47 StpTopology  2163 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2164 0.0 2.4 ? S Feb 24 00:55:38 Acl  2165 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Stp --dlopen procmgr /usr/bin/Stp  2166 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2167 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=KernelNetworkInfo --dlopen procmgr /usr/bin/KernelNetworkInfo  2169 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2170 0.0 1.9 ? S Feb 24 00:20:11 KernelNetworkInfo  2171 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=McastCommon6 --dlopen procmgr /usr/bin/McastCommon6  2172 0.0 2.0 ? S Feb 24 01:10:20 Stp  2173 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2174 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=LacpTxAgent --dlopen procmgr /usr/bin/LacpTxAgent  2175 0.0 2.0 ? S Feb 24 00:08:45 McastCommon6  2176 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2178 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Fhrp --dlopen procmgr /usr/bin/Fhrp --scheduled  2179 0.0 2.1 ? S Feb 24 00:08:49 LacpTxAgent  2180 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=KernelFib --dlopen procmgr /usr/bin/KernelFib  2181 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2183 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Qos --dlopen procmgr /usr/bin/Qos  2185 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2186 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Thermostat --dlopen procmgr /usr/bin/Thermostat  2187 0.0 2.4 ? S Feb 24 00:12:03 KernelFib  2188 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2189 0.0 2.0 ? S Feb 24 00:07:26 Qos  2190 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2193 0.0 1.8 ? S Feb 24 00:08:41 Thermostat  2194 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=L2Rib --dlopen procmgr /usr/bin/L2Rib  2195 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2196 0.0 2.0 ? S Feb 24 00:05:34 L2Rib  2197 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=TopoAgent --dlopen procmgr /usr/bin/TopoAgent --scheduled  2198 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2200 0.0 2.0 ? S Feb 24 00:03:54 TopoAgent  2201 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=PowerFuse --dlopen procmgr /usr/bin/PowerFuse  2202 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2203 0.0 1.8 ? S Feb 24 00:03:50 PowerFuse  2206 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=VxlanSwFwd --dlopen procmgr /usr/bin/VxlanSwFwd  2207 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2208 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=Ebra --dlopen procmgr /usr/bin/Ebra  2209 0.0 2.3 ? S Feb 24 00:11:21 VxlanSwFwd  2210 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=ReloadCauseAgent --dlopen procmgr /usr/bin/ReloadCauseAgent  2212 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2213 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2214 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=SharedSecretProfile --dlopen procmgr /usr/bin/SharedSecretProfile  2215 0.0 2.4 ? S Feb 24 00:14:22 Ebra  2216 0.0 1.8 ? S Feb 24 00:03:59 ReloadCauseAgent  2217 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2218 0.0 2.5 ? S Feb 24 00:08:40 IgmpSnooping  2219 0.0 1.8 ? S Feb 24 00:04:05 SharedSecretProfile  2280 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=StaticRoute --dlopen procmgr /usr/bin/StaticRoute --scheduled  2284 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2286 0.0 2.4 ? S Feb 24 00:08:06 StaticRoute  2291 0.0 2.4 ? S Feb 24 00:10:11 BgpCliHelper  2294 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=ConnectedRoute --dlopen procmgr /usr/bin/ConnectedRoute  2297 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2298 0.0 0.0 ? S Feb 24 00:00:00 netns --agenttitle=RouteInput --dlopen procmgr /usr/bin/RouteInput  2300 0.0 2.2 ? S Feb 24 00:08:18 ConnectedRoute  2304 0.0 0.3 ? Ss Feb 24 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2305 0.0 2.0 ? S Feb 24 00:08:16 EvpnrtrEncap  2306 0.0 2.3 ? S Feb 24 00:07:59 RouteInput  2313 0.0 4.0 ? Sl Feb 24 01:01:31 Bgp  2364 0.0 0.0 ? S May 06 00:00:00 netns --agenttitle=IpRib --dlopen procmgr /usr/bin/IpRib --scheduled  2365 0.0 0.3 ? Ss May 06 00:00:00 netnsd-session -d -i --dlopen -p -f -l libLoadDynamicLibs.so procmgr libProcMgrSetup.so --daemonize  2366 0.0 2.8 ? S May 06 00:08:41 IpRib  2911 0.0 0.0 ? S Feb 24 00:00:02 /usr/sbin/dnsmasq  2970 0.0 0.0 ? Ss Feb 24 00:00:00 nginx: master process /usr/sbin/nginx -c /etc/nginx/nginx.conf -g pid /var/run/nginx.pid;  2972 0.0 0.2 ? S Feb 24 00:00:47 nginx: worker process   3051 0.0 0.2 ? Ssl Feb 24 00:06:26 ntpd -u ntp:ntp -g -p /var/run/ntpd.pid  3279 0.0 0.0 ? S Feb 24 00:00:00 /usr/bin/conlogd  3280 0.0 0.0 ttyS0 Ss+ Feb 24 00:00:00 /sbin/mingetty --noclear /dev/ttyS0  3281 0.0 0.0 tty1 Ss+ Feb 24 00:00:00 /sbin/agetty --noclear tty1 linux  3283 0.0 0.0 ? S Feb 24 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 Feb 24 00:02:06 /usr/bin/tail -n 0 --retry --follow=name --pid=3279 /var/log/eos-console  3286 0.0 0.0 ? S Feb 24 00:00:00 sed s/\(.\*\)/\1\r/ 14379 0.0 0.1 ? Ssl 20:32:54 00:00:00 /usr/sbin/rsyslogd -n 14593 0.0 0.0 ? S 13:08:00 00:00:00 [kworker/1:1] 15321 0.0 0.0 ? S 13:25:28 00:00:00 [kworker/u30:2] 18333 0.0 0.0 ? S<s May 18 00:00:00 ovsdb-server: monitoring pid 18334 (healthy)  18334 0.0 0.1 ? S< May 18 00:43:40 ovsdb-server /mnt/flash/ovs.db -vconsole:emer -vsyslog:err -vfile:info --remote=punix:/var/run/openvswitch/db.sock --private-key=db:Open\_vSwitch,SSL,private\_key --certificate=db:Open\_vSwitch,SSL,certificate --bootstrap-ca-cert=db:Open\_vSwitch,SSL,ca\_cert --no-chdir --log-file=/var/log/openvswitch/ovsdb-server.log --pidfile=/var/run/openvswitch/ovsdb-server.pid --detach --monitor 18344 0.0 0.0 ? S<s May 18 00:00:00 ovs-vswitchd: monitoring pid 18345 (healthy)  18871 0.0 0.0 ? S 14:35:00 00:00:00 [kworker/0:2] 22783 0.0 0.0 ? S 21:07:31 00:00:00 [kworker/u30:1] 24968 0.0 0.2 ? Ss 16:49:50 00:00:00 sshd: cvpadmin [priv]  24984 0.0 0.1 ? S 16:49:56 00:00:00 sshd: cvpadmin@pts/3  24987 0.0 0.3 pts/3 Ssl+ 16:49:56 00:00:00 CliShell --sysname ar --privilege 1 25000 0.0 0.2 pts/4 Ss+ 16:50:06 00:00:00 /bin/bash -l 28394 0.0 0.0 ? S 17:54:00 00:00:00 [kworker/0:1] 28591 0.0 0.0 ? S 17:59:00 00:00:00 [kworker/1:2] 29451 0.0 0.0 ? Rs 18:08:50 00:00:00 ps -e -o pid,pcpu,pmem,tt,stat,lstart,start,time,cmd --sort=-pcpu -ww . |

# 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 | None |
| 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 | 4.24.2F |
| Actual output | 4.24.2F |
| Test result | True |
| Fail or skip reason |  |
| Comment | TEST EOS version running on the device on |BL1|. GIVEN version is |4.24.2F|. WHEN version is |4.24.2F|. 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: 17 weeks, 5 days, 2 hours and 45 minutes Total memory: 4006912 kB Free memory: 2603788 kB |

### 6.1.2 DUT: BL2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| Name | test\_if\_eos\_version\_is\_correct\_on\_ |
| Description | Verifies EOS version running on the device |
| Device under test | BL2 |
| Show command | show version |
| Expected output | 4.24.2F |
| Actual output | 4.24.2F |
| Test result | True |
| Fail or skip reason |  |
| Comment | TEST EOS version running on the device on |BL2|. GIVEN version is |4.24.2F|. WHEN version is |4.24.2F|. THEN test case result is |True|. OUTPUT of |show version| is:   vEOS Hardware version:  Serial number:  Hardware MAC address: d404.2d2c.0ba1 System MAC address: d404.2d2c.0ba1  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: 15 weeks, 6 days, 19 hours and 45 minutes Total memory: 4006912 kB Free memory: 2621500 kB |

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

### 6.2.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| Name | test\_if\_there\_is\_agents\_have\_crashed\_on\_ |
| Description | Verifies the agents logs crash is empty |
| Device under test | BL1 |
| Show command | show agent logs crash |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail or skip 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: Memory

## 7.1 Test Case: Test memory utilization

### 7.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| 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 | 64.98550504727831 |
| Test result | True |
| Fail or skip reason |  |
| Comment | TEST if memory utilization is less than specified value on |BL1|. GIVEN memory utilization is less than |80|. WHEN memory utilization is |64.98550504727831|. 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: 17 weeks, 5 days, 2 hours and 45 minutes Total memory: 4006912 kB Free memory: 2603788 kB |

### 7.1.2 DUT: BL2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| Name | test\_memory\_utilization\_on\_ |
| Description | Verify memory is not exceeding high utlization |
| Device under test | BL2 |
| Show command | show version |
| Expected output | 80 |
| Actual output | 65.42754120879121 |
| Test result | True |
| Fail or skip reason |  |
| Comment | TEST if memory utilization is less than specified value on |BL2|. GIVEN memory utilization is less than |80|. WHEN memory utilization is |65.42754120879121|. THEN test case result is |True|. OUTPUT of |show version| is:   vEOS Hardware version:  Serial number:  Hardware MAC address: d404.2d2c.0ba1 System MAC address: d404.2d2c.0ba1  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: 15 weeks, 6 days, 19 hours and 45 minutes Total memory: 4006912 kB Free memory: 2621500 kB |

# 8. Detailed Test Suite Results: Filesystem

## 8.1 Test Case: Test if files

### 8.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| 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 or skip 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 :  []. 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 :  []. 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 :  []. |

### 8.1.2 DUT: BL2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| Name | test\_if\_files\_on\_ |
| Description | Verify filesystem is correct and expected files are present |
| Device under test | BL2 |
| Show command | None |
| Expected output | [[False, False, False], [False, False, False], [False, False, False]] |
| Actual output | [False, False, False] |
| Test result | False |
| Fail or skip reason | On router |BL2|: flash:startup-config file isDir state is |False|, correct state is |[False, False, False]|.  On router |BL2|: flash:veos-config file isDir state is |False|, correct state is |[False, False, False]|.  On router |BL2|: flash:zerotouch-config file isDir state is |False|, correct state is |[False, False, False]|. |
| Comment | TEST is flash:startup-config file present on |BL2|. GIVEN flash:startup-config file isDir state is: |[False, False, False]|. WHEN flash:startup-config file isDir state is |False|. THEN test case result is |False|. OUTPUT of |show file information flash:startup-config| is :  []. TEST is flash:veos-config file present on |BL2|. GIVEN flash:veos-config file isDir state is: |[False, False, False]|. WHEN flash:veos-config file isDir state is |False|. THEN test case result is |False|. OUTPUT of |show file information flash:veos-config| is :  []. TEST is flash:zerotouch-config file present on |BL2|. GIVEN flash:zerotouch-config file isDir state is: |[False, False, False]|. WHEN flash:zerotouch-config file isDir state is |False|. THEN test case result is |False|. OUTPUT of |show file information flash:zerotouch-config| is :  []. |

# 9. Detailed Test Suite Results: Logging

## 9.1 Test Case: Test if log messages appear

### 9.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| 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 or skip 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: ! IOError: [Errno 13] Permission denied: '/var/log/eos' . |

### 9.1.2 DUT: BL2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| Name | test\_if\_log\_messages\_appear\_on\_ |
| Description | Verify local log messages |
| Device under test | BL2 |
| Show command | show logging |
| Expected output | [[False, False, False, False, False], [False, False, False, False, False], [False, False, False, False, False], [False, False, False, False, False], [False, False, False, False, False]] |
| Actual output | [False, False, False, False, False] |
| Test result | False |
| Fail or skip reason | Test for log message critical, message should not be present. Test for log message warning, message should not be present. Test for log message ECC, message should not be present. Test for log message servers errors, message should not be present. Test for log message parity, message should not be present. |
| Comment | Test for log message |critical| on |BL2|. GIVEN message presence is |[False, False, False, False, False]|. WHEN message presence is |False|. THEN test case result is |False|.  Test for log message |warning| on |BL2|. GIVEN message presence is |[False, False, False, False, False]|. WHEN message presence is |False|. THEN test case result is |False|.  Test for log message |ECC| on |BL2|. GIVEN message presence is |[False, False, False, False, False]|. WHEN message presence is |False|. THEN test case result is |False|.  Test for log message |servers errors| on |BL2|. GIVEN message presence is |[False, False, False, False, False]|. WHEN message presence is |False|. THEN test case result is |False|.  Test for log message |parity| on |BL2|. GIVEN message presence is |[False, False, False, False, False]|. WHEN message presence is |False|. THEN test case result is |False|.  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: Mar 28 21:49:00 BL2 Bgp: %BGP-5-ADJCHANGE: peer 172.31.253.10 (VRF default AS 65200) old state OpenConfirm event Established new state Established Apr 19 06:41:41 BL2 Lldp: %LLDP-5-NEIGHBOR\_TIMEOUT: LLDP neighbor with chassisId d478.c9a5.2b12 and portId "Ethernet2" timed out on interface Ethernet6 Apr 19 06:42:16 BL2 Bgp: %BGP-5-ADJCHANGE: peer 172.31.254.11 (VRF default AS 65000) old state Established event Stop new state Idle Apr 19 06:42:16 BL2 Bgp: %BGP-3-NOTIFICATION: sent to neighbor 172.31.254.11 (VRF default AS 65000) 4/0 (Hold Timer Expired Error/None) 0 bytes Apr 19 06:44:21 BL2 Lldp: %LLDP-5-NEIGHBOR\_NEW: LLDP neighbor with chassisId d478.c9a5.2b12 and portId "Ethernet2" added on interface Ethernet6 Apr 19 06:44:21 BL2 Bgp: %BGP-5-ADJCHANGE: peer 172.31.254.11 (VRF default AS 65000) old state OpenConfirm event Established new state Established Apr 19 06:48:23 BL2 Lldp: %LLDP-5-NEIGHBOR\_TIMEOUT: LLDP neighbor with chassisId d478.c9a5.2b12 and portId "Ethernet2" timed out on interface Ethernet6 Apr 19 06:49:06 BL2 Bgp: %BGP-5-ADJCHANGE: peer 172.31.254.11 (VRF default AS 65000) old state Established event Stop new state Idle Apr 19 06:49:06 BL2 Bgp: %BGP-3-NOTIFICATION: sent to neighbor 172.31.254.11 (VRF default AS 65000) 4/0 (Hold Timer Expired Error/None) 0 bytes Apr 19 06:49:34 BL2 Lldp: %LLDP-5-NEIGHBOR\_NEW: LLDP neighbor with chassisId d478.c9a5.2b12 and portId "Ethernet2" added on interface Ethernet6 Apr 19 06:49:35 BL2 Bgp: %BGP-5-ADJCHANGE: peer 172.31.254.11 (VRF default AS 65000) old state OpenConfirm event Established new state Established May 9 15:01:10 BL2 Lldp: %LLDP-5-NEIGHBOR\_TIMEOUT: LLDP neighbor with chassisId d422.cde5.3720 and portId "Ethernet2" timed out on interface Ethernet9 May 9 15:02:05 BL2 Bgp: %BGP-5-ADJCHANGE: peer 172.31.254.35 (VRF default AS 65000) old state Established event Stop new state Idle May 9 15:02:05 BL2 Bgp: %BGP-3-NOTIFICATION: sent to neighbor 172.31.254.35 (VRF default AS 65000) 4/0 (Hold Timer Expired Error/None) 0 bytes May 9 15:03:26 BL2 Bgp: %BGP-5-ADJCHANGE: peer 172.31.254.35 (VRF default AS 65000) old state OpenConfirm event Established new state Established May 9 15:03:26 BL2 Lldp: %LLDP-5-NEIGHBOR\_NEW: LLDP neighbor with chassisId d422.cde5.3720 and portId "Ethernet2" added on interface Ethernet9 May 9 15:06:58 BL2 Lldp: %LLDP-5-NEIGHBOR\_TIMEOUT: LLDP neighbor with chassisId d422.cde5.3720 and portId "Ethernet2" timed out on interface Ethernet9 May 9 15:07:34 BL2 Lldp: %LLDP-5-NEIGHBOR\_NEW: LLDP neighbor with chassisId d422.cde5.3720 and portId "Ethernet2" added on interface Ethernet9 May 9 15:07:34 BL2 Bgp: %BGP-3-NOTIFICATION: sent to neighbor 172.31.254.35+33817 (VRF default) (proto) 6/7 (Cease/connection collision resolution) 0 bytes May 9 15:07:39 BL2 Bgp: %BGP-3-NOTIFICATION: sent to neighbor 172.31.254.35+38203 (VRF default) (proto) 6/7 (Cease/connection collision resolution) 0 bytes May 9 15:07:42 BL2 Bgp: %BGP-5-ADJCHANGE: peer 172.31.254.35 (VRF default AS 65000) old state Established event TransportError new state Idle May 9 15:07:43 BL2 Bgp: %BGP-5-ADJCHANGE: peer 172.31.254.35 (VRF default AS 65000) old state OpenConfirm event Established new state Established May 18 18:15:48 BL2 Lldp: %LLDP-5-NEIGHBOR\_TIMEOUT: LLDP neighbor with chassisId d466.354d.ff82 and portId "Ethernet2" timed out on interface Ethernet1 May 18 18:16:58 BL2 Bgp: %BGP-5-ADJCHANGE: peer 172.31.253.8 (VRF default AS 65200) old state Established event Stop new state Idle May 18 18:16:58 BL2 Bgp: %BGP-3-NOTIFICATION: sent to neighbor 172.31.253.8 (VRF default AS 65200) 4/0 (Hold Timer Expired Error/None) 0 bytes Jun 10 04:04:33 BL2 Lldp: %LLDP-5-NEIGHBOR\_TIMEOUT: LLDP neighbor with chassisId d4cd.a56b.e950 and portId "Ethernet2" timed out on interface Ethernet4 Jun 10 04:05:30 BL2 Bgp: %BGP-3-NOTIFICATION: sent to neighbor 172.31.253.14+46625 (VRF default) (proto) 6/7 (Cease/connection collision resolution) 0 bytes Jun 10 04:05:31 BL2 Lldp: %LLDP-5-NEIGHBOR\_NEW: LLDP neighbor with chassisId d4cd.a56b.e950 and portId "Ethernet2" added on interface Ethernet4 Jun 10 04:05:35 BL2 Bgp: %BGP-3-NOTIFICATION: sent to neighbor 172.31.253.14+43485 (VRF default) (proto) 6/7 (Cease/connection collision resolution) 0 bytes Jun 10 04:05:39 BL2 Bgp: %BGP-5-ADJCHANGE: peer 172.31.253.14 (VRF default AS 65200) old state Established event Stop new state Idle Jun 10 04:05:39 BL2 Bgp: %BGP-3-NOTIFICATION: sent to neighbor 172.31.253.14 (VRF default AS 65200) 4/0 (Hold Timer Expired Error/None) 0 bytes Jun 10 04:05:40 BL2 Bgp: %BGP-5-ADJCHANGE: peer 172.31.253.14 (VRF default AS 65200) old state OpenConfirm event Established new state Established . |

# 10. Detailed Test Suite Results: Daemon

## 10.1 Test Case: Test if daemons are enabled

### 10.1.1 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| 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 or skip 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) No configuration options stored.  No status data stored.  . |

### 10.1.2 DUT: BL2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| Name | test\_if\_daemons\_are\_enabled\_on\_ |
| Description | Verify a list of daemons are enabled on DUT |
| Device under test | BL2 |
| Show command | show daemon |
| Expected output | [[True]] |
| Actual output | [True] |
| Test result | False |
| Fail or skip reason | On router |BL2|, daemon enabled state is |True| correct state is |[True]|. |
| Comment | TEST is TerminAttr daemon enabled on |BL2|. GIVEN expected TerminAttr enabled state: |[True]|. WHEN TerminAttr device enabled state is |True|. THEN test case result is |False|. OUTPUT of |show daemon| is :  Process: TerminAttr (running with PID 2072) Uptime: 111 days, 19:44:31 (Start time: Tue Mar 08 22:24:21 2022) No configuration options stored.  No status data stored.  . |

## 10.2 Test Case: Test if daemons are running

### 10.2.1 DUT: BL2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| Name | test\_if\_daemons\_are\_running\_on\_ |
| Description | Verify a list of daemons are running on DUT |
| Device under test | BL2 |
| Show command | show daemon |
| Expected output | [[True]] |
| Actual output | [True] |
| Test result | False |
| Fail or skip reason | On router |BL2|, daemon running state is |True| correct state is |[True]|. |
| Comment | TEST is TerminAttr daemon running on |BL2|. GIVEN expected TerminAttr running state: |[True]|. WHEN TerminAttr device running state is |True|. THEN test case result is |False|. OUTPUT of |show daemon| is :  Process: TerminAttr (running with PID 2072) Uptime: 111 days, 19:44:31 (Start time: Tue Mar 08 22:24:21 2022) No configuration options stored.  No status data stored.  . |

### 10.2.2 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| 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 or skip 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) No configuration options stored.  No status data stored.  . |

# 11. Detailed Test Suite Results: Interface

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

### 11.1.1 DUT: BL2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| Name | test\_if\_intf\_link\_status\_is\_connected\_on\_ |
| Description | Verify the interfaces of interest link statuses are connected |
| Device under test | BL2 |
| Show command | show interfaces status |
| Expected output | [['connected', 'connected'], ['connected', 'connected']] |
| Actual output | ['connected', 'connected'] |
| Test result | False |
| Fail or skip reason | On interface |Ethernet1|: interface link status is set to: |connected|, correct state is |['connected', 'connected']|.  On interface |Ethernet2|: interface link status is set to: |connected|, correct state is |['connected', 'connected']|. |
| Comment | TEST if interface |Ethernet1| link status on |BL2|. GIVEN interface status is |['connected', 'connected']|. WHEN interface status is |connected|. THEN test case result is |False|.  TEST if interface |Ethernet2| link status on |BL2|. GIVEN interface status is |['connected', 'connected']|. WHEN interface status is |connected|. THEN test case result is |False|.  OUTPUT of |show interfaces status| is :  Port Name Status Vlan Duplex Speed Type Flags Encapsulation Et1 P2P\_LINK\_TO\_DCBB1\_Ethernet2 connected routed full unconf EbraTestPhyPort  Et2 P2P\_LINK\_TO\_DCBB2\_Ethernet2 connected routed full unconf EbraTestPhyPort  Et3 P2P\_LINK\_TO\_DCBB3\_Ethernet2 connected routed full unconf EbraTestPhyPort  Et4 P2P\_LINK\_TO\_DCBB4\_Ethernet2 connected routed full unconf EbraTestPhyPort  Et5 P2P\_LINK\_TO\_SPINE1\_Ethernet2 connected routed full unconf EbraTestPhyPort  Et6 P2P\_LINK\_TO\_SPINE2\_Ethernet2 connected routed full unconf EbraTestPhyPort  Et7 P2P\_LINK\_TO\_SPINE3\_Ethernet2 connected routed full unconf EbraTestPhyPort  Et8 P2P\_LINK\_TO\_SPINE4\_Ethernet2 connected routed full unconf EbraTestPhyPort  Et9 P2P\_LINK\_TO\_SPINE5\_Ethernet2 connected routed full unconf EbraTestPhyPort  Et10 P2P\_LINK\_TO\_SPINE6\_Ethernet2 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   . |

### 11.1.2 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| 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 or skip 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   . |

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

### 11.2.1 DUT: BL2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| Name | test\_if\_intf\_protocol\_status\_is\_connected\_on\_ |
| Description | Verify the interfaces of interest protocol statuses are connected |
| Device under test | BL2 |
| Show command | show interfaces status |
| Expected output | [['up', 'up'], ['up', 'up']] |
| Actual output | ['up', 'up'] |
| Test result | False |
| Fail or skip reason | On interface |Ethernet1|: interface link line protocol status is set to: |up|, correct state is |['up', 'up']|.  On interface |Ethernet2|: interface link line protocol status is set to: |up|, correct state is |['up', 'up']|. |
| Comment | TEST if interface |Ethernet1| link prootocol statuses on |BL2|. GIVEN interface status is |['up', 'up']|. WHEN interface status is |up|. THEN test case result is |False|.  TEST if interface |Ethernet2| link prootocol statuses on |BL2|. GIVEN interface status is |['up', 'up']|. WHEN interface status is |up|. THEN test case result is |False|.  OUTPUT of |show interfaces status| is :  Port Name Status Vlan Duplex Speed Type Flags Encapsulation Et1 P2P\_LINK\_TO\_DCBB1\_Ethernet2 connected routed full unconf EbraTestPhyPort  Et2 P2P\_LINK\_TO\_DCBB2\_Ethernet2 connected routed full unconf EbraTestPhyPort  Et3 P2P\_LINK\_TO\_DCBB3\_Ethernet2 connected routed full unconf EbraTestPhyPort  Et4 P2P\_LINK\_TO\_DCBB4\_Ethernet2 connected routed full unconf EbraTestPhyPort  Et5 P2P\_LINK\_TO\_SPINE1\_Ethernet2 connected routed full unconf EbraTestPhyPort  Et6 P2P\_LINK\_TO\_SPINE2\_Ethernet2 connected routed full unconf EbraTestPhyPort  Et7 P2P\_LINK\_TO\_SPINE3\_Ethernet2 connected routed full unconf EbraTestPhyPort  Et8 P2P\_LINK\_TO\_SPINE4\_Ethernet2 connected routed full unconf EbraTestPhyPort  Et9 P2P\_LINK\_TO\_SPINE5\_Ethernet2 connected routed full unconf EbraTestPhyPort  Et10 P2P\_LINK\_TO\_SPINE6\_Ethernet2 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   . |

### 11.2.2 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| 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 or skip 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   . |

# 12. Detailed Test Suite Results: Users

## 12.1 Test Case: Test if usernames are configured

### 12.1.1 DUT: BL2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| Name | test\_if\_usernames\_are\_configured\_on\_ |
| Description | Verify username is set correctly |
| Device under test | BL2 |
| Show command | show running-config section username |
| Expected output | [[True]] |
| Actual output | [True] |
| Test result | False |
| Fail or skip reason | On router |BL2|: |admin| username configured is |True|, username configured should be |[True]|. |
| Comment | TEST is admin username configured on |BL2|. GIVEN username configured status: |[True]|. WHEN username configured status: |True|. 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 . |

### 12.1.2 DUT: BL1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | None |
| 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] |
| Actual output | [True] |
| Test result | True |
| Fail or skip reason |  |
| Comment | TEST is admin username configured on |BL1|. GIVEN username configured status: |True|. WHEN username configured status: |True|. THEN test case result is |True|.  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 . |