Test Report

September 18, 2020 05:19:06PM

# 1. Test Results Summary

## 1.1 Summary Results

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Total Tests | Total Passed | Total Failed | Total Skipped | Total Errored | Total Duration |
| 216 | 196 | 4 | 16 | 0 | 55.86541390419006 |

## 1.2 Summary Totals for Devices Under Tests

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| DUT | Total Tests | Total Passed | Total Failed | Total Skipped | Total Errored |
| kg-topology-CloudEosRR1 | 54 | 49 | 1 | 4 | 0 |
| kg-topology-CloudEosRR2 | 54 | 49 | 1 | 4 | 0 |
| kg-topology-CloudEOSEdge1 | 54 | 49 | 1 | 4 | 0 |
| kg-topology-CloudEOSEdge2 | 54 | 49 | 1 | 4 | 0 |

## 1.3 Summary Totals for Test Suites

|  |  |  |  |
| --- | --- | --- | --- |
| Test Suite | Total Tests | Total Passed | Total Failed |
| Interface | 52 | 48 | 4 |
| Memory | 4 | 4 | 0 |

# 2. Test Case Results Summary

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Id | Test Suite | Test Case | DUT | Result | Failure Reason |
| 1 | Interface | Test if interface link status is connected | kg-topology-CloudEosRR1 | PASS |  |
| 2 | Interface | Test if interface link status is connected | kg-topology-CloudEosRR2 | PASS |  |
| 3 | Interface | Test if interface link status is connected | kg-topology-CloudEOSEdge1 | PASS |  |
| 4 | Interface | Test if interface link status is connected | kg-topology-CloudEOSEdge2 | PASS |  |
| 5 | Interface | Test if interface counters has input errors | kg-topology-CloudEosRR1 | PASS |  |
| 6 | Interface | Test if interface counters has input errors | kg-topology-CloudEosRR2 | PASS |  |
| 7 | Interface | Test if interface counters has input errors | kg-topology-CloudEOSEdge1 | PASS |  |
| 8 | Interface | Test if interface counters has input errors | kg-topology-CloudEOSEdge2 | PASS |  |
| 9 | Interface | Test if interface counters has frame too short errors | kg-topology-CloudEosRR1 | PASS |  |
| 10 | Interface | Test if interface counters has frame too short errors | kg-topology-CloudEosRR2 | PASS |  |
| 11 | Interface | Test if interface counters has frame too short errors | kg-topology-CloudEOSEdge1 | PASS |  |
| 12 | Interface | Test if interface counters has frame too short errors | kg-topology-CloudEOSEdge2 | PASS |  |
| 13 | Interface | Test if interface counters has fcs errors | kg-topology-CloudEosRR1 | PASS |  |
| 14 | Interface | Test if interface counters has fcs errors | kg-topology-CloudEosRR2 | PASS |  |
| 15 | Interface | Test if interface counters has fcs errors | kg-topology-CloudEOSEdge1 | PASS |  |
| 16 | Interface | Test if interface counters has fcs errors | kg-topology-CloudEOSEdge2 | PASS |  |
| 17 | Interface | Test if interface counters has symbol errors | kg-topology-CloudEosRR1 | PASS |  |
| 18 | Interface | Test if interface counters has symbol errors | kg-topology-CloudEosRR2 | PASS |  |
| 19 | Interface | Test if interface counters has symbol errors | kg-topology-CloudEOSEdge1 | PASS |  |
| 20 | Interface | Test if interface counters has symbol errors | kg-topology-CloudEOSEdge2 | PASS |  |
| 21 | Interface | Test if interface in counters are discarding | kg-topology-CloudEosRR1 | PASS |  |
| 22 | Interface | Test if interface in counters are discarding | kg-topology-CloudEosRR2 | PASS |  |
| 23 | Interface | Test if interface in counters are discarding | kg-topology-CloudEOSEdge1 | PASS |  |
| 24 | Interface | Test if interface in counters are discarding | kg-topology-CloudEOSEdge2 | PASS |  |
| 25 | Interface | Test if interface phy status connected | kg-topology-CloudEosRR1 | PASS |  |
| 26 | Interface | Test if interface phy status connected | kg-topology-CloudEosRR2 | PASS |  |
| 27 | Interface | Test if interface phy status connected | kg-topology-CloudEOSEdge1 | PASS |  |
| 28 | Interface | Test if interface phy status connected | kg-topology-CloudEOSEdge2 | PASS |  |
| 29 | Interface | Test if interface counters has frame too long errors | kg-topology-CloudEosRR1 | PASS |  |
| 30 | Interface | Test if interface counters has frame too long errors | kg-topology-CloudEosRR2 | PASS |  |
| 31 | Interface | Test if interface counters has frame too long errors | kg-topology-CloudEOSEdge1 | PASS |  |
| 32 | Interface | Test if interface counters has frame too long errors | kg-topology-CloudEOSEdge2 | PASS |  |
| 33 | Interface | Test if interface protocol status is connected | kg-topology-CloudEosRR1 | PASS |  |
| 34 | Interface | Test if interface protocol status is connected | kg-topology-CloudEosRR2 | PASS |  |
| 35 | Interface | Test if interface protocol status is connected | kg-topology-CloudEOSEdge1 | PASS |  |
| 36 | Interface | Test if interface protocol status is connected | kg-topology-CloudEOSEdge2 | PASS |  |
| 37 | Interface | Test if interface out counters are discarding | kg-topology-CloudEosRR1 | PASS |  |
| 38 | Interface | Test if interface out counters are discarding | kg-topology-CloudEosRR2 | PASS |  |
| 39 | Interface | Test if interface out counters are discarding | kg-topology-CloudEOSEdge1 | PASS |  |
| 40 | Interface | Test if interface out counters are discarding | kg-topology-CloudEOSEdge2 | PASS |  |
| 41 | Interface | Test if interface counters has output errors | kg-topology-CloudEosRR1 | PASS |  |
| 42 | Interface | Test if interface counters has output errors | kg-topology-CloudEosRR2 | PASS |  |
| 43 | Interface | Test if interface counters has output errors | kg-topology-CloudEOSEdge1 | PASS |  |
| 44 | Interface | Test if interface counters has output errors | kg-topology-CloudEOSEdge2 | PASS |  |
| 45 | Interface | Test if interface counters has alignment errors | kg-topology-CloudEosRR1 | PASS |  |
| 46 | Interface | Test if interface counters has alignment errors | kg-topology-CloudEosRR2 | PASS |  |
| 47 | Interface | Test if interface counters has alignment errors | kg-topology-CloudEOSEdge1 | PASS |  |
| 48 | Interface | Test if interface counters has alignment errors | kg-topology-CloudEOSEdge2 | PASS |  |
| 49 | Interface | Test if interface mtu is correct | kg-topology-CloudEosRR1 | FAIL | On interface |Ethernet1|: interface MTU is |1500|, correct MTU is |10178| |
| 50 | Interface | Test if interface mtu is correct | kg-topology-CloudEosRR2 | FAIL | On interface |Ethernet1|: interface MTU is |1500|, correct MTU is |10178| |
| 51 | Interface | Test if interface mtu is correct | kg-topology-CloudEOSEdge1 | FAIL | On interface |Ethernet1|: interface MTU is |1500|, correct MTU is |10178| |
| 52 | Interface | Test if interface mtu is correct | kg-topology-CloudEOSEdge2 | FAIL | On interface |Ethernet1|: interface MTU is |1500|, correct MTU is |10178| |
| 53 | Memory | Test memory utilization | kg-topology-CloudEosRR1 | PASS |  |
| 54 | Memory | Test memory utilization | kg-topology-CloudEosRR2 | PASS |  |
| 55 | Memory | Test memory utilization | kg-topology-CloudEOSEdge1 | PASS |  |
| 56 | Memory | Test memory utilization | kg-topology-CloudEOSEdge2 | PASS |  |

# 3. Detailed Test Suite Results: Interface

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

### 3.1.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_link\_status\_is\_connected\_on\_ |
| Description | Verify the interfaces of interest link statuses are connected |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show interfaces status |
| Expected output | connected |
| Actual output | connected |
| Test result | True |
| Fail reason |  |

### 3.1.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_link\_status\_is\_connected\_on\_ |
| Description | Verify the interfaces of interest link statuses are connected |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show interfaces status |
| Expected output | connected |
| Actual output | connected |
| Test result | True |
| Fail reason |  |

### 3.1.3 DUT: KG-TOPOLOGY-CLOUDEOSEDGE1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_link\_status\_is\_connected\_on\_ |
| Description | Verify the interfaces of interest link statuses are connected |
| Device under test | kg-topology-CloudEOSEdge1 |
| Show command | show interfaces status |
| Expected output | connected |
| Actual output | connected |
| Test result | True |
| Fail reason |  |

### 3.1.4 DUT: KG-TOPOLOGY-CLOUDEOSEDGE2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_link\_status\_is\_connected\_on\_ |
| Description | Verify the interfaces of interest link statuses are connected |
| Device under test | kg-topology-CloudEOSEdge2 |
| Show command | show interfaces status |
| Expected output | connected |
| Actual output | connected |
| Test result | True |
| Fail reason |  |

## 3.2 Test Case: Test if interface counters has input errors

### 3.2.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_input\_errors\_on\_ |
| Description | Verify the interfaces of interest does not have input errors |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.2.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_input\_errors\_on\_ |
| Description | Verify the interfaces of interest does not have input errors |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.2.3 DUT: KG-TOPOLOGY-CLOUDEOSEDGE1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_input\_errors\_on\_ |
| Description | Verify the interfaces of interest does not have input errors |
| Device under test | kg-topology-CloudEOSEdge1 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.2.4 DUT: KG-TOPOLOGY-CLOUDEOSEDGE2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_input\_errors\_on\_ |
| Description | Verify the interfaces of interest does not have input errors |
| Device under test | kg-topology-CloudEOSEdge2 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

## 3.3 Test Case: Test if interface counters has frame too short errors

### 3.3.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_frame\_too\_short\_errors\_on\_ |
| Description | Verify the interfaces of interest have no frameTooShorts errors |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.3.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_frame\_too\_short\_errors\_on\_ |
| Description | Verify the interfaces of interest have no frameTooShorts errors |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.3.3 DUT: KG-TOPOLOGY-CLOUDEOSEDGE1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_frame\_too\_short\_errors\_on\_ |
| Description | Verify the interfaces of interest have no frameTooShorts errors |
| Device under test | kg-topology-CloudEOSEdge1 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.3.4 DUT: KG-TOPOLOGY-CLOUDEOSEDGE2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_frame\_too\_short\_errors\_on\_ |
| Description | Verify the interfaces of interest have no frameTooShorts errors |
| Device under test | kg-topology-CloudEOSEdge2 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

## 3.4 Test Case: Test if interface counters has fcs errors

### 3.4.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_fcs\_errors\_on\_ |
| Description | Verify the interfaces of interest have no fcsErrors errors |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.4.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_fcs\_errors\_on\_ |
| Description | Verify the interfaces of interest have no fcsErrors errors |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.4.3 DUT: KG-TOPOLOGY-CLOUDEOSEDGE1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_fcs\_errors\_on\_ |
| Description | Verify the interfaces of interest have no fcsErrors errors |
| Device under test | kg-topology-CloudEOSEdge1 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.4.4 DUT: KG-TOPOLOGY-CLOUDEOSEDGE2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_fcs\_errors\_on\_ |
| Description | Verify the interfaces of interest have no fcsErrors errors |
| Device under test | kg-topology-CloudEOSEdge2 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

## 3.5 Test Case: Test if interface counters has symbol errors

### 3.5.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_symbol\_errors\_on\_ |
| Description | Verify the interfaces of interest have no symbolErrors errors |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.5.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_symbol\_errors\_on\_ |
| Description | Verify the interfaces of interest have no symbolErrors errors |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.5.3 DUT: KG-TOPOLOGY-CLOUDEOSEDGE1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_symbol\_errors\_on\_ |
| Description | Verify the interfaces of interest have no symbolErrors errors |
| Device under test | kg-topology-CloudEOSEdge1 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.5.4 DUT: KG-TOPOLOGY-CLOUDEOSEDGE2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_symbol\_errors\_on\_ |
| Description | Verify the interfaces of interest have no symbolErrors errors |
| Device under test | kg-topology-CloudEOSEdge2 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

## 3.6 Test Case: Test if interface in counters are discarding

### 3.6.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_in\_counters\_are\_discarding\_on\_ |
| Description | Verify the interfaces of interest have no inDiscards |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show interfaces counters discards |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| counters has outbound discards on |kg-topology-CloudEosRR1|. GIVEN interface outbound discards of |0|. WHEN interface outbound discards are |0|. THEN test case result is |True|. OUTPUT of |show interfaces counters discards| is:  Port InDiscards OutDiscards  --------------- ---------------- -----------  Et1 0 0  Et100 0 0  --------- --------- ---------  Totals 0 0 |

### 3.6.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_in\_counters\_are\_discarding\_on\_ |
| Description | Verify the interfaces of interest have no inDiscards |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show interfaces counters discards |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| counters has outbound discards on |kg-topology-CloudEosRR2|. GIVEN interface outbound discards of |0|. WHEN interface outbound discards are |0|. THEN test case result is |True|. OUTPUT of |show interfaces counters discards| is:  Port InDiscards OutDiscards  --------------- ---------------- -----------  Et1 0 0  Et100 0 0  --------- --------- ---------  Totals 0 0 |

### 3.6.3 DUT: KG-TOPOLOGY-CLOUDEOSEDGE1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_in\_counters\_are\_discarding\_on\_ |
| Description | Verify the interfaces of interest have no inDiscards |
| Device under test | kg-topology-CloudEOSEdge1 |
| Show command | show interfaces counters discards |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| counters has outbound discards on |kg-topology-CloudEOSEdge1|. GIVEN interface outbound discards of |0|. WHEN interface outbound discards are |0|. THEN test case result is |True|. OUTPUT of |show interfaces counters discards| is:  Port InDiscards OutDiscards  --------------- ---------------- -----------  Et1 0 0  Et2 0 0  Et100 0 0  --------- --------- ---------  Totals 0 0 |

### 3.6.4 DUT: KG-TOPOLOGY-CLOUDEOSEDGE2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_in\_counters\_are\_discarding\_on\_ |
| Description | Verify the interfaces of interest have no inDiscards |
| Device under test | kg-topology-CloudEOSEdge2 |
| Show command | show interfaces counters discards |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |
| Comment | TEST if interface |Ethernet1| counters has outbound discards on |kg-topology-CloudEOSEdge2|. GIVEN interface outbound discards of |0|. WHEN interface outbound discards are |0|. THEN test case result is |True|. OUTPUT of |show interfaces counters discards| is:  Port InDiscards OutDiscards  --------------- ---------------- -----------  Et1 0 0  Et2 0 0  Et100 0 0  --------- --------- ---------  Totals 0 0 |

## 3.7 Test Case: Test if interface phy status connected

### 3.7.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_phy\_status\_connected\_on\_ |
| Description | Verify the interfaces of interest link statuses are connected |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show interfaces phy detail |
| Expected output | linkUp |
| Actual output | None |
| Test result | True |
| Fail reason |  |

### 3.7.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_phy\_status\_connected\_on\_ |
| Description | Verify the interfaces of interest link statuses are connected |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show interfaces phy detail |
| Expected output | linkUp |
| Actual output | None |
| Test result | True |
| Fail reason |  |

### 3.7.3 DUT: KG-TOPOLOGY-CLOUDEOSEDGE1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_phy\_status\_connected\_on\_ |
| Description | Verify the interfaces of interest link statuses are connected |
| Device under test | kg-topology-CloudEOSEdge1 |
| Show command | show interfaces phy detail |
| Expected output | linkUp |
| Actual output | None |
| Test result | True |
| Fail reason |  |

### 3.7.4 DUT: KG-TOPOLOGY-CLOUDEOSEDGE2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_phy\_status\_connected\_on\_ |
| Description | Verify the interfaces of interest link statuses are connected |
| Device under test | kg-topology-CloudEOSEdge2 |
| Show command | show interfaces phy detail |
| Expected output | linkUp |
| Actual output | None |
| Test result | True |
| Fail reason |  |

## 3.8 Test Case: Test if interface counters has frame too long errors

### 3.8.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_frame\_too\_long\_errors\_on\_ |
| Description | Verify the interfaces of interest have no frameTooLong errors |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.8.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_frame\_too\_long\_errors\_on\_ |
| Description | Verify the interfaces of interest have no frameTooLong errors |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.8.3 DUT: KG-TOPOLOGY-CLOUDEOSEDGE1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_frame\_too\_long\_errors\_on\_ |
| Description | Verify the interfaces of interest have no frameTooLong errors |
| Device under test | kg-topology-CloudEOSEdge1 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.8.4 DUT: KG-TOPOLOGY-CLOUDEOSEDGE2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_frame\_too\_long\_errors\_on\_ |
| Description | Verify the interfaces of interest have no frameTooLong errors |
| Device under test | kg-topology-CloudEOSEdge2 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

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

### 3.9.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_protocol\_status\_is\_connected\_on\_ |
| Description | Verify the interfaces of interest protocol statuses are connected |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show interfaces status |
| Expected output | up |
| Actual output | up |
| Test result | True |
| Fail reason |  |

### 3.9.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_protocol\_status\_is\_connected\_on\_ |
| Description | Verify the interfaces of interest protocol statuses are connected |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show interfaces status |
| Expected output | up |
| Actual output | up |
| Test result | True |
| Fail reason |  |

### 3.9.3 DUT: KG-TOPOLOGY-CLOUDEOSEDGE1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_protocol\_status\_is\_connected\_on\_ |
| Description | Verify the interfaces of interest protocol statuses are connected |
| Device under test | kg-topology-CloudEOSEdge1 |
| Show command | show interfaces status |
| Expected output | up |
| Actual output | up |
| Test result | True |
| Fail reason |  |

### 3.9.4 DUT: KG-TOPOLOGY-CLOUDEOSEDGE2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_protocol\_status\_is\_connected\_on\_ |
| Description | Verify the interfaces of interest protocol statuses are connected |
| Device under test | kg-topology-CloudEOSEdge2 |
| Show command | show interfaces status |
| Expected output | up |
| Actual output | up |
| Test result | True |
| Fail reason |  |

## 3.10 Test Case: Test if interface out counters are discarding

### 3.10.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_out\_counters\_are\_discarding\_on\_ |
| Description | Verify the interfaces of interest have no outDiscards |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show interfaces counters discards |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.10.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_out\_counters\_are\_discarding\_on\_ |
| Description | Verify the interfaces of interest have no outDiscards |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show interfaces counters discards |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.10.3 DUT: KG-TOPOLOGY-CLOUDEOSEDGE1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_out\_counters\_are\_discarding\_on\_ |
| Description | Verify the interfaces of interest have no outDiscards |
| Device under test | kg-topology-CloudEOSEdge1 |
| Show command | show interfaces counters discards |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.10.4 DUT: KG-TOPOLOGY-CLOUDEOSEDGE2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_out\_counters\_are\_discarding\_on\_ |
| Description | Verify the interfaces of interest have no outDiscards |
| Device under test | kg-topology-CloudEOSEdge2 |
| Show command | show interfaces counters discards |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

## 3.11 Test Case: Test if interface counters has output errors

### 3.11.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_output\_errors\_on\_ |
| Description | Verify the interfaces of interest does not have outut errors |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.11.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_output\_errors\_on\_ |
| Description | Verify the interfaces of interest does not have outut errors |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.11.3 DUT: KG-TOPOLOGY-CLOUDEOSEDGE1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_output\_errors\_on\_ |
| Description | Verify the interfaces of interest does not have outut errors |
| Device under test | kg-topology-CloudEOSEdge1 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.11.4 DUT: KG-TOPOLOGY-CLOUDEOSEDGE2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_output\_errors\_on\_ |
| Description | Verify the interfaces of interest does not have outut errors |
| Device under test | kg-topology-CloudEOSEdge2 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

## 3.12 Test Case: Test if interface counters has alignment errors

### 3.12.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_alignment\_errors\_on\_ |
| Description | Verify the interfaces of interest have no alignmentErrors errors |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.12.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_alignment\_errors\_on\_ |
| Description | Verify the interfaces of interest have no alignmentErrors errors |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.12.3 DUT: KG-TOPOLOGY-CLOUDEOSEDGE1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_alignment\_errors\_on\_ |
| Description | Verify the interfaces of interest have no alignmentErrors errors |
| Device under test | kg-topology-CloudEOSEdge1 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

### 3.12.4 DUT: KG-TOPOLOGY-CLOUDEOSEDGE2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_counters\_has\_alignment\_errors\_on\_ |
| Description | Verify the interfaces of interest have no alignmentErrors errors |
| Device under test | kg-topology-CloudEOSEdge2 |
| Show command | show interfaces counters errors |
| Expected output | 0 |
| Actual output | 0 |
| Test result | True |
| Fail reason |  |

## 3.13 Test Case: Test if interface mtu is correct

### 3.13.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_mtu\_is\_correct\_on\_ |
| Description | Verify the interfaces of interest MTU |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show interfaces |
| Expected output | 10178 |
| Actual output | 1500 |
| Test result | False |
| Fail reason | On interface |Ethernet1|: interface MTU is |1500|, correct MTU is |10178| |
| Comment | TEST if interface |Ethernet1| MTU is correct on |kg-topology-CloudEosRR1|. GIVEN MTU of |10178|. WHEN interface MTU is |1500|. THEN test case result is |False|. OUTPUT of |show interfaces| is:  Ethernet1 is up, line protocol is up (connected)  Hardware is Ethernet, address is 0246.bbe9.20d4 (bia 0246.bbe9.20d4)  Internet address is 11.201.12.101/24  Broadcast address is 255.255.255.255  Address determined by DHCP  IP MTU 1500 bytes (default)  Full-duplex, Unconfigured, auto negotiation: off, uni-link: n/a  Up 36 days, 15 hours, 58 minutes, 58 seconds  Loopback Mode : None  3 link status changes since last clear  Last clearing of "show interface" counters never  5 minutes input rate 28.2 kbps (- with framing overhead), 27 packets/sec  5 minutes output rate 50.6 kbps (- with framing overhead), 30 packets/sec  70991357 packets input, 8866267671 bytes  Received 0 broadcasts, 0 multicast  0 runts, 0 giants  0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards  0 PAUSE input  79207233 packets output, 15115021169 bytes  Sent 0 broadcasts, 0 multicast  0 output errors, 0 collisions  0 late collision, 0 deferred, 0 output discards  0 PAUSE output Ethernet100 is up, line protocol is up (connected)  Hardware is Ethernet, address is 0246.bb59.d5ae (bia 0246.bb59.d5ae)  Internet address is 11.201.8.1/22  Broadcast address is 255.255.255.255  IP MTU 1400 bytes , BW 10000000 kbit  Full-duplex, 10Gb/s, auto negotiation: off, uni-link: n/a  Up 36 days, 15 hours, 58 minutes, 56 seconds  Loopback Mode : None  3 link status changes since last clear  Last clearing of "show interface" counters never  5 minutes input rate 0 bps (0.0% with framing overhead), 0 packets/sec  5 minutes output rate 0 bps (0.0% with framing overhead), 0 packets/sec  0 packets input, 0 bytes  Received 0 broadcasts, 0 multicast  0 runts, 0 giants  0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards  0 PAUSE input  0 packets output, 0 bytes  Sent 0 broadcasts, 0 multicast  0 output errors, 0 collisions  0 late collision, 0 deferred, 0 output discards  0 PAUSE output Loopback0 is up, line protocol is up (connected)  Hardware is Loopback  Internet address is 11.201.0.2/32  Broadcast address is 255.255.255.255  IP MTU 65535 bytes (default)  Up 36 days, 15 hours, 56 minutes, 17 seconds Loopback10 is up, line protocol is up (connected)  Hardware is Loopback  Internet address is 198.18.0.36/24  Broadcast address is 255.255.255.255  IP MTU 65535 bytes (default)  Up 36 days, 15 hours, 59 minutes, 21 seconds |

### 3.13.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_mtu\_is\_correct\_on\_ |
| Description | Verify the interfaces of interest MTU |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show interfaces |
| Expected output | 10178 |
| Actual output | 1500 |
| Test result | False |
| Fail reason | On interface |Ethernet1|: interface MTU is |1500|, correct MTU is |10178| |
| Comment | TEST if interface |Ethernet1| MTU is correct on |kg-topology-CloudEosRR2|. GIVEN MTU of |10178|. WHEN interface MTU is |1500|. THEN test case result is |False|. OUTPUT of |show interfaces| is:  Ethernet1 is up, line protocol is up (connected)  Hardware is Ethernet, address is 0654.9ba1.1756 (bia 0654.9ba1.1756)  Internet address is 11.201.13.101/24  Broadcast address is 255.255.255.255  Address determined by DHCP  IP MTU 1500 bytes (default)  Full-duplex, Unconfigured, auto negotiation: off, uni-link: n/a  Up 36 days, 15 hours, 59 minutes, 3 seconds  Loopback Mode : None  3 link status changes since last clear  Last clearing of "show interface" counters never  5 minutes input rate 29.1 kbps (- with framing overhead), 28 packets/sec  5 minutes output rate 52.2 kbps (- with framing overhead), 31 packets/sec  72053959 packets input, 8989490394 bytes  Received 0 broadcasts, 0 multicast  0 runts, 0 giants  0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards  0 PAUSE input  80748895 packets output, 15246095148 bytes  Sent 0 broadcasts, 0 multicast  0 output errors, 0 collisions  0 late collision, 0 deferred, 0 output discards  0 PAUSE output Ethernet100 is up, line protocol is up (connected)  Hardware is Ethernet, address is 0654.9b7c.b00f (bia 0654.9b7c.b00f)  Internet address is 11.201.8.1/22  Broadcast address is 255.255.255.255  IP MTU 1400 bytes , BW 10000000 kbit  Full-duplex, 10Gb/s, auto negotiation: off, uni-link: n/a  Up 36 days, 15 hours, 59 minutes, 1 second  Loopback Mode : None  3 link status changes since last clear  Last clearing of "show interface" counters never  5 minutes input rate 0 bps (0.0% with framing overhead), 0 packets/sec  5 minutes output rate 0 bps (0.0% with framing overhead), 0 packets/sec  0 packets input, 0 bytes  Received 0 broadcasts, 0 multicast  0 runts, 0 giants  0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards  0 PAUSE input  0 packets output, 0 bytes  Sent 0 broadcasts, 0 multicast  0 output errors, 0 collisions  0 late collision, 0 deferred, 0 output discards  0 PAUSE output Loopback0 is up, line protocol is up (connected)  Hardware is Loopback  Internet address is 11.201.0.4/32  Broadcast address is 255.255.255.255  IP MTU 65535 bytes (default)  Up 36 days, 15 hours, 56 minutes, 30 seconds Loopback10 is up, line protocol is up (connected)  Hardware is Loopback  Internet address is 198.18.0.38/24  Broadcast address is 255.255.255.255  IP MTU 65535 bytes (default)  Up 36 days, 15 hours, 59 minutes, 24 seconds |

### 3.13.3 DUT: KG-TOPOLOGY-CLOUDEOSEDGE1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_mtu\_is\_correct\_on\_ |
| Description | Verify the interfaces of interest MTU |
| Device under test | kg-topology-CloudEOSEdge1 |
| Show command | show interfaces |
| Expected output | 10178 |
| Actual output | 1500 |
| Test result | False |
| Fail reason | On interface |Ethernet1|: interface MTU is |1500|, correct MTU is |10178| |
| Comment | TEST if interface |Ethernet1| MTU is correct on |kg-topology-CloudEOSEdge1|. GIVEN MTU of |10178|. WHEN interface MTU is |1500|. THEN test case result is |False|. OUTPUT of |show interfaces| is:  Ethernet1 is up, line protocol is up (connected)  Hardware is Ethernet, address is 029e.d288.21f6 (bia 029e.d288.21f6)  Internet address is 11.201.14.101/25  Broadcast address is 255.255.255.255  Address determined by DHCP  IP MTU 1500 bytes (default)  Full-duplex, Unconfigured, auto negotiation: off, uni-link: n/a  Up 36 days, 15 hours, 59 minutes, 16 seconds  Loopback Mode : None  3 link status changes since last clear  Last clearing of "show interface" counters never  5 minutes input rate 36.4 kbps (- with framing overhead), 36 packets/sec  5 minutes output rate 75.4 kbps (- with framing overhead), 41 packets/sec  142372983 packets input, 16704049845 bytes  Received 0 broadcasts, 0 multicast  0 runts, 0 giants  0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards  0 PAUSE input  169440803 packets output, 36196207269 bytes  Sent 0 broadcasts, 0 multicast  0 output errors, 0 collisions  0 late collision, 0 deferred, 0 output discards  0 PAUSE output Ethernet2 is up, line protocol is up (connected)  Hardware is Ethernet, address is 023d.7650.e316 (bia 023d.7650.e316)  Internet address is 11.201.14.201/25  Broadcast address is 255.255.255.255  IP MTU 9000 bytes  Full-duplex, Unconfigured, auto negotiation: off, uni-link: n/a  Up 36 days, 15 hours, 59 minutes, 16 seconds  Loopback Mode : None  3 link status changes since last clear  Last clearing of "show interface" counters never  5 minutes input rate 40.5 kbps (- with framing overhead), 35 packets/sec  5 minutes output rate 27.4 kbps (- with framing overhead), 32 packets/sec  160820429 packets input, 29266524683 bytes  Received 0 broadcasts, 0 multicast  0 runts, 0 giants  0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards  0 PAUSE input  142184931 packets output, 16792422526 bytes  Sent 0 broadcasts, 0 multicast  0 output errors, 0 collisions  0 late collision, 0 deferred, 0 output discards  0 PAUSE output Ethernet2.102 is up, line protocol is up (connected)  Hardware is Subinterface, address is 023d.7650.e316  Internet address is 11.201.14.201/25  Broadcast address is 255.255.255.255  IP MTU 9000 bytes (default)  Up 36 days, 15 hours, 52 minutes, 55 seconds Ethernet100 is up, line protocol is up (connected)  Hardware is Ethernet, address is 029e.d20a.bbfc (bia 029e.d20a.bbfc)  Internet address is 11.201.8.1/22  Broadcast address is 255.255.255.255  IP MTU 1400 bytes , BW 10000000 kbit  Full-duplex, 10Gb/s, auto negotiation: off, uni-link: n/a  Up 36 days, 15 hours, 59 minutes, 14 seconds  Loopback Mode : None  3 link status changes since last clear  Last clearing of "show interface" counters never  5 minutes input rate 0 bps (0.0% with framing overhead), 0 packets/sec  5 minutes output rate 0 bps (0.0% with framing overhead), 0 packets/sec  0 packets input, 0 bytes  Received 0 broadcasts, 0 multicast  0 runts, 0 giants  0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards  0 PAUSE input  0 packets output, 0 bytes  Sent 0 broadcasts, 0 multicast  0 output errors, 0 collisions  0 late collision, 0 deferred, 0 output discards  0 PAUSE output Loopback0 is up, line protocol is up (connected)  Hardware is Loopback  Internet address is 11.201.0.1/32  Broadcast address is 255.255.255.255  IP MTU 65535 bytes (default)  Up 36 days, 15 hours, 56 minutes, 40 seconds Loopback10 is up, line protocol is up (connected)  Hardware is Loopback  Internet address is 198.18.0.35/24  Broadcast address is 255.255.255.255  IP MTU 65535 bytes (default)  Up 36 days, 15 hours, 59 minutes, 31 seconds Vlan4093 is down, line protocol is lowerlayerdown (notconnect)  Hardware is Vlan, address is 0000.0000.0000 (bia 0000.0000.0000)  IP MTU 9164 bytes (default)  Down 36 days, 15 hours, 52 minutes, 55 seconds Vlan4094 is down, line protocol is lowerlayerdown (notconnect)  Hardware is Vlan, address is 0000.0000.0000 (bia 0000.0000.0000)  IP MTU 9164 bytes (default)  Down 36 days, 15 hours, 56 minutes, 38 seconds Vxlan1 is up, line protocol is up (connected)  Hardware is Vxlan  Source interface is Loopback0 and is active with 11.201.0.1  Replication/Flood Mode is headend with Flood List Source: CLI  Remote MAC learning is disabled  VNI mapping to VLANs  Static VLAN to VNI mapping is   Dynamic VLAN to VNI mapping for 'evpn' is  [4093, 102] [4094, 101]   Note: All Dynamic VLANs used by VCS are internal VLANs.  Use 'show vxlan vni' for details.  Static VRF to VNI mapping is   [default, 101]  [prod, 102]  MLAG Shared Router MAC is 0000.0000.0000 |

### 3.13.4 DUT: KG-TOPOLOGY-CLOUDEOSEDGE2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_if\_intf\_mtu\_is\_correct\_on\_ |
| Description | Verify the interfaces of interest MTU |
| Device under test | kg-topology-CloudEOSEdge2 |
| Show command | show interfaces |
| Expected output | 10178 |
| Actual output | 1500 |
| Test result | False |
| Fail reason | On interface |Ethernet1|: interface MTU is |1500|, correct MTU is |10178| |
| Comment | TEST if interface |Ethernet1| MTU is correct on |kg-topology-CloudEOSEdge2|. GIVEN MTU of |10178|. WHEN interface MTU is |1500|. THEN test case result is |False|. OUTPUT of |show interfaces| is:  Ethernet1 is up, line protocol is up (connected)  Hardware is Ethernet, address is 0635.0247.e530 (bia 0635.0247.e530)  Internet address is 11.201.15.101/25  Broadcast address is 255.255.255.255  Address determined by DHCP  IP MTU 1500 bytes (default)  Full-duplex, Unconfigured, auto negotiation: off, uni-link: n/a  Up 36 days, 15 hours, 58 minutes, 53 seconds  Loopback Mode : None  3 link status changes since last clear  Last clearing of "show interface" counters never  5 minutes input rate 53.3 kbps (- with framing overhead), 56 packets/sec  5 minutes output rate 120 kbps (- with framing overhead), 66 packets/sec  118849266 packets input, 14091322662 bytes  Received 0 broadcasts, 0 multicast  0 runts, 0 giants  0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards  0 PAUSE input  139886724 packets output, 29642849346 bytes  Sent 0 broadcasts, 0 multicast  0 output errors, 0 collisions  0 late collision, 0 deferred, 0 output discards  0 PAUSE output Ethernet2 is up, line protocol is up (connected)  Hardware is Ethernet, address is 0667.8522.a780 (bia 0667.8522.a780)  Internet address is 11.201.15.201/25  Broadcast address is 255.255.255.255  IP MTU 9000 bytes  Full-duplex, Unconfigured, auto negotiation: off, uni-link: n/a  Up 36 days, 15 hours, 58 minutes, 53 seconds  Loopback Mode : None  3 link status changes since last clear  Last clearing of "show interface" counters never  5 minutes input rate 88.4 kbps (- with framing overhead), 58 packets/sec  5 minutes output rate 49.3 kbps (- with framing overhead), 51 packets/sec  129532288 packets input, 21152547469 bytes  Received 0 broadcasts, 0 multicast  0 runts, 0 giants  0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards  0 PAUSE input  117381498 packets output, 13175205931 bytes  Sent 0 broadcasts, 0 multicast  0 output errors, 0 collisions  0 late collision, 0 deferred, 0 output discards  0 PAUSE output Ethernet2.102 is up, line protocol is up (connected)  Hardware is Subinterface, address is 0667.8522.a780  Internet address is 11.201.15.201/25  Broadcast address is 255.255.255.255  IP MTU 9000 bytes (default)  Up 36 days, 15 hours, 52 minutes, 51 seconds Ethernet100 is up, line protocol is up (connected)  Hardware is Ethernet, address is 0635.02ca.8297 (bia 0635.02ca.8297)  Internet address is 11.201.8.1/22  Broadcast address is 255.255.255.255  IP MTU 1400 bytes , BW 10000000 kbit  Full-duplex, 10Gb/s, auto negotiation: off, uni-link: n/a  Up 36 days, 15 hours, 58 minutes, 51 seconds  Loopback Mode : None  3 link status changes since last clear  Last clearing of "show interface" counters never  5 minutes input rate 0 bps (0.0% with framing overhead), 0 packets/sec  5 minutes output rate 0 bps (0.0% with framing overhead), 0 packets/sec  0 packets input, 0 bytes  Received 0 broadcasts, 0 multicast  0 runts, 0 giants  0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards  0 PAUSE input  0 packets output, 0 bytes  Sent 0 broadcasts, 0 multicast  0 output errors, 0 collisions  0 late collision, 0 deferred, 0 output discards  0 PAUSE output Loopback0 is up, line protocol is up (connected)  Hardware is Loopback  Internet address is 11.201.0.3/32  Broadcast address is 255.255.255.255  IP MTU 65535 bytes (default)  Up 36 days, 15 hours, 56 minutes, 11 seconds Loopback10 is up, line protocol is up (connected)  Hardware is Loopback  Internet address is 198.18.0.37/24  Broadcast address is 255.255.255.255  IP MTU 65535 bytes (default)  Up 36 days, 15 hours, 59 minutes, 15 seconds Vlan4093 is down, line protocol is lowerlayerdown (notconnect)  Hardware is Vlan, address is 0000.0000.0000 (bia 0000.0000.0000)  IP MTU 9164 bytes (default)  Down 36 days, 15 hours, 52 minutes, 52 seconds Vlan4094 is down, line protocol is lowerlayerdown (notconnect)  Hardware is Vlan, address is 0000.0000.0000 (bia 0000.0000.0000)  IP MTU 9164 bytes (default)  Down 36 days, 15 hours, 56 minutes, 6 seconds Vxlan1 is up, line protocol is up (connected)  Hardware is Vxlan  Source interface is Loopback0 and is active with 11.201.0.3  Replication/Flood Mode is headend with Flood List Source: CLI  Remote MAC learning is disabled  VNI mapping to VLANs  Static VLAN to VNI mapping is   Dynamic VLAN to VNI mapping for 'evpn' is  [4093, 102] [4094, 101]   Note: All Dynamic VLANs used by VCS are internal VLANs.  Use 'show vxlan vni' for details.  Static VRF to VNI mapping is   [default, 101]  [prod, 102]  MLAG Shared Router MAC is 0000.0000.0000 |

# 4. Detailed Test Suite Results: Memory

## 4.1 Test Case: Test memory utilization

### 4.1.1 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_memory\_utilization\_on\_ |
| Description | Verify memory is not exceeding high utlization |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show version |
| Expected output | 70 |
| Actual output | 38.14125095086036 |
| Test result | True |
| Fail reason |  |
| Comment | None |

### 4.1.2 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_memory\_utilization\_on\_ |
| Description | Verify memory is not exceeding high utlization |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show version |
| Expected output | 70 |
| Actual output | 38.41961155869696 |
| Test result | True |
| Fail reason |  |
| Comment | None |

### 4.1.3 DUT: KG-TOPOLOGY-CLOUDEOSEDGE1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_memory\_utilization\_on\_ |
| Description | Verify memory is not exceeding high utlization |
| Device under test | kg-topology-CloudEOSEdge1 |
| Show command | show version |
| Expected output | 70 |
| Actual output | 36.36700356681693 |
| Test result | True |
| Fail reason |  |
| Comment | None |

### 4.1.4 DUT: KG-TOPOLOGY-CLOUDEOSEDGE2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Name | test\_memory\_utilization\_on\_ |
| Description | Verify memory is not exceeding high utlization |
| Device under test | kg-topology-CloudEOSEdge2 |
| Show command | show version |
| Expected output | 70 |
| Actual output | 37.3127913137231 |
| Test result | True |
| Fail reason |  |
| Comment | None |