Test Report

October 07, 2020 08:31:22PM

# 1. Test Results Summary

## 1.1 Summary Results

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Total Tests | Total Passed | Total Failed | Total Skipped | Total Errored | Total Duration |
| 8 | 4 | 4 | 0 | 0 | 11.032166004180908 |

## 1.2 Summary Totals for Devices Under Tests

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| DUT | Total Tests | Total Passed | Total Failed | Total Skipped | Total Errored |
| kg-topology-CloudEosRR1 | 2 | 1 | 1 | 0 | 0 |
| kg-topology-CloudEosRR2 | 2 | 1 | 1 | 0 | 0 |
| kg-topology-CloudEOSEdge1 | 2 | 1 | 1 | 0 | 0 |
| kg-topology-CloudEOSEdge2 | 2 | 1 | 1 | 0 | 0 |

## 1.3 Summary Totals for Test Suites

|  |  |  |  |
| --- | --- | --- | --- |
| Test Suite | Total Tests | Total Passed | Total Failed |
| Dns | 4 | 4 | 0 |

# 2. Test Case Results Summary

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Id | Test Suite | Test Case | DUT | Result | Failure Reason |
| 1 | Dns | Test if dns resolves | kg-topology-CloudEOSEdge1 | PASS |  |
| 2 | Dns | Test if dns resolves | kg-topology-CloudEOSEdge2 | PASS |  |
| 3 | Dns | Test if dns resolves | kg-topology-CloudEosRR1 | PASS |  |
| 4 | Dns | Test if dns resolves | kg-topology-CloudEosRR2 | PASS |  |

# 3. Detailed Test Suite Results: Dns

## 3.1 Test Case: Test if dns resolves

### 3.1.1 DUT: KG-TOPOLOGY-CLOUDEOSEDGE1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 1 |
| Name | test\_if\_dns\_resolves\_on\_ |
| Description | Verify DNS is running by performing pings and verifying name resolution |
| Device under test | kg-topology-CloudEOSEdge1 |
| Show command | show management api http-commands |
| Expected output | [True, True, True] |
| Actual output | [True, True, True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST can |kg-topology-CloudEOSEdge1| resolve |google.com|. GIVEN URL is |google.com|. WHEN exception is |Name or service not known| string. THEN test case result is |True|. OUTPUT of |ping google.com| is :  PING google.com (172.217.6.110) 72(100) bytes of data. 76 bytes from ord37s03-in-f14.1e100.net (172.217.6.110): icmp\_seq=1 ttl=101 (truncated) 76 bytes from ord37s03-in-f14.1e100.net (172.217.6.110): icmp\_seq=2 ttl=101 (truncated) 76 bytes from ord37s03-in-f14.1e100.net (172.217.6.110): icmp\_seq=3 ttl=101 (truncated) 76 bytes from ord37s03-in-f14.1e100.net (172.217.6.110): icmp\_seq=4 ttl=101 (truncated) 76 bytes from ord37s03-in-f14.1e100.net (172.217.6.110): icmp\_seq=5 ttl=101 (truncated)  --- google.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 62ms rtt min/avg/max/mdev = 20.843/20.888/21.024/0.114 ms, pipe 3, ipg/ewma 15.572/20.954 ms . TEST can |kg-topology-CloudEOSEdge1| resolve |cnn.com|. GIVEN URL is |cnn.com|. WHEN exception is |Name or service not known| string. THEN test case result is |True|. OUTPUT of |ping cnn.com| is :  PING cnn.com (151.101.65.67) 72(100) bytes of data. 80 bytes from 151.101.65.67 (151.101.65.67): icmp\_seq=1 ttl=39 time=11.2 ms 80 bytes from 151.101.65.67 (151.101.65.67): icmp\_seq=2 ttl=39 time=11.1 ms 80 bytes from 151.101.65.67 (151.101.65.67): icmp\_seq=3 ttl=39 time=11.1 ms 80 bytes from 151.101.65.67 (151.101.65.67): icmp\_seq=4 ttl=39 time=11.1 ms 80 bytes from 151.101.65.67 (151.101.65.67): icmp\_seq=5 ttl=39 time=11.1 ms  --- cnn.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 52ms rtt min/avg/max/mdev = 11.105/11.151/11.284/0.094 ms, pipe 2, ipg/ewma 13.184/11.215 ms . TEST can |kg-topology-CloudEOSEdge1| resolve |arista.com|. GIVEN URL is |arista.com|. WHEN exception is |Name or service not known| string. THEN test case result is |True|. OUTPUT of |ping arista.com| is :  PING arista.com (64.68.200.46) 72(100) bytes of data. 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=1 ttl=39 time=23.4 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=2 ttl=39 time=23.3 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=3 ttl=39 time=23.2 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=4 ttl=39 time=23.3 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=5 ttl=39 time=23.3 ms  --- arista.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 66ms rtt min/avg/max/mdev = 23.296/23.339/23.471/0.204 ms, pipe 3, ipg/ewma 16.675/23.403 ms . |

### 3.1.2 DUT: KG-TOPOLOGY-CLOUDEOSEDGE2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 2 |
| Name | test\_if\_dns\_resolves\_on\_ |
| Description | Verify DNS is running by performing pings and verifying name resolution |
| Device under test | kg-topology-CloudEOSEdge2 |
| Show command | show management api http-commands |
| Expected output | [True, True, True] |
| Actual output | [True, True, True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST can |kg-topology-CloudEOSEdge2| resolve |google.com|. GIVEN URL is |google.com|. WHEN exception is |Name or service not known| string. THEN test case result is |True|. OUTPUT of |ping google.com| is :  PING google.com (172.217.9.46) 72(100) bytes of data. 76 bytes from ord38s08-in-f14.1e100.net (172.217.9.46): icmp\_seq=1 ttl=100 (truncated) 76 bytes from ord38s08-in-f14.1e100.net (172.217.9.46): icmp\_seq=2 ttl=100 (truncated) 76 bytes from ord38s08-in-f14.1e100.net (172.217.9.46): icmp\_seq=3 ttl=100 (truncated) 76 bytes from ord38s08-in-f14.1e100.net (172.217.9.46): icmp\_seq=4 ttl=100 (truncated) 76 bytes from ord38s08-in-f14.1e100.net (172.217.9.46): icmp\_seq=5 ttl=100 (truncated)  --- google.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 104ms rtt min/avg/max/mdev = 19.520/19.825/20.925/0.557 ms, pipe 2, ipg/ewma 26.179/20.358 ms . TEST can |kg-topology-CloudEOSEdge2| resolve |cnn.com|. GIVEN URL is |cnn.com|. WHEN exception is |Name or service not known| string. THEN test case result is |True|. OUTPUT of |ping cnn.com| is :  PING cnn.com (151.101.193.67) 72(100) bytes of data. 80 bytes from 151.101.193.67 (151.101.193.67): icmp\_seq=1 ttl=39 time=12.0 ms 80 bytes from 151.101.193.67 (151.101.193.67): icmp\_seq=2 ttl=39 time=10.6 ms 80 bytes from 151.101.193.67 (151.101.193.67): icmp\_seq=3 ttl=39 time=10.6 ms 80 bytes from 151.101.193.67 (151.101.193.67): icmp\_seq=4 ttl=39 time=10.6 ms 80 bytes from 151.101.193.67 (151.101.193.67): icmp\_seq=5 ttl=39 time=10.6 ms  --- cnn.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 117ms rtt min/avg/max/mdev = 10.659/10.951/12.075/0.565 ms, pipe 2, ipg/ewma 29.438/11.494 ms . TEST can |kg-topology-CloudEOSEdge2| resolve |arista.com|. GIVEN URL is |arista.com|. WHEN exception is |Name or service not known| string. THEN test case result is |True|. OUTPUT of |ping arista.com| is :  PING arista.com (64.68.200.46) 72(100) bytes of data. 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=1 ttl=39 time=24.1 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=2 ttl=39 time=22.8 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=3 ttl=39 time=22.8 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=4 ttl=39 time=22.7 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=5 ttl=39 time=22.8 ms  --- arista.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 69ms rtt min/avg/max/mdev = 22.775/23.085/24.182/0.548 ms, pipe 3, ipg/ewma 17.427/23.614 ms . |

### 3.1.3 DUT: KG-TOPOLOGY-CLOUDEOSRR1

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 3 |
| Name | test\_if\_dns\_resolves\_on\_ |
| Description | Verify DNS is running by performing pings and verifying name resolution |
| Device under test | kg-topology-CloudEosRR1 |
| Show command | show management api http-commands |
| Expected output | [True, True, True] |
| Actual output | [True, True, True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST can |kg-topology-CloudEosRR1| resolve |google.com|. GIVEN URL is |google.com|. WHEN exception is |Name or service not known| string. THEN test case result is |True|. OUTPUT of |ping google.com| is :  PING google.com (172.217.0.14) 72(100) bytes of data. 76 bytes from ord38s04-in-f14.1e100.net (172.217.0.14): icmp\_seq=1 ttl=101 (truncated) 76 bytes from ord38s04-in-f14.1e100.net (172.217.0.14): icmp\_seq=2 ttl=101 (truncated) 76 bytes from ord38s04-in-f14.1e100.net (172.217.0.14): icmp\_seq=3 ttl=101 (truncated) 76 bytes from ord38s04-in-f14.1e100.net (172.217.0.14): icmp\_seq=4 ttl=101 (truncated) 76 bytes from ord38s04-in-f14.1e100.net (172.217.0.14): icmp\_seq=5 ttl=101 (truncated)  --- google.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 67ms rtt min/avg/max/mdev = 20.882/20.892/20.900/0.006 ms, pipe 3, ipg/ewma 16.824/20.896 ms . TEST can |kg-topology-CloudEosRR1| resolve |cnn.com|. GIVEN URL is |cnn.com|. WHEN exception is |Name or service not known| string. THEN test case result is |True|. OUTPUT of |ping cnn.com| is :  PING cnn.com (151.101.65.67) 72(100) bytes of data. 80 bytes from 151.101.65.67 (151.101.65.67): icmp\_seq=1 ttl=39 time=11.3 ms 80 bytes from 151.101.65.67 (151.101.65.67): icmp\_seq=2 ttl=39 time=11.4 ms 80 bytes from 151.101.65.67 (151.101.65.67): icmp\_seq=3 ttl=39 time=11.4 ms 80 bytes from 151.101.65.67 (151.101.65.67): icmp\_seq=4 ttl=39 time=11.3 ms 80 bytes from 151.101.65.67 (151.101.65.67): icmp\_seq=5 ttl=39 time=11.3 ms  --- cnn.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 81ms rtt min/avg/max/mdev = 11.377/11.399/11.441/0.098 ms, pipe 2, ipg/ewma 20.454/11.393 ms . TEST can |kg-topology-CloudEosRR1| resolve |arista.com|. GIVEN URL is |arista.com|. WHEN exception is |Name or service not known| string. THEN test case result is |True|. OUTPUT of |ping arista.com| is :  PING arista.com (64.68.200.46) 72(100) bytes of data. 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=1 ttl=39 time=23.6 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=2 ttl=39 time=23.5 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=3 ttl=39 time=23.6 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=4 ttl=39 time=23.5 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=5 ttl=39 time=23.6 ms  --- arista.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 68ms rtt min/avg/max/mdev = 23.578/23.619/23.659/0.102 ms, pipe 3, ipg/ewma 17.068/23.635 ms . |

### 3.1.4 DUT: KG-TOPOLOGY-CLOUDEOSRR2

|  |  |
| --- | --- |
| Test Parameter | Description |
| Test id | 4 |
| Name | test\_if\_dns\_resolves\_on\_ |
| Description | Verify DNS is running by performing pings and verifying name resolution |
| Device under test | kg-topology-CloudEosRR2 |
| Show command | show management api http-commands |
| Expected output | [True, True, True] |
| Actual output | [True, True, True] |
| Test result | True |
| Fail reason |  |
| Comment | TEST can |kg-topology-CloudEosRR2| resolve |google.com|. GIVEN URL is |google.com|. WHEN exception is |Name or service not known| string. THEN test case result is |True|. OUTPUT of |ping google.com| is :  PING google.com (172.217.9.78) 72(100) bytes of data. 76 bytes from ord38s09-in-f14.1e100.net (172.217.9.78): icmp\_seq=1 ttl=101 (truncated) 76 bytes from ord38s09-in-f14.1e100.net (172.217.9.78): icmp\_seq=2 ttl=101 (truncated) 76 bytes from ord38s09-in-f14.1e100.net (172.217.9.78): icmp\_seq=3 ttl=101 (truncated) 76 bytes from ord38s09-in-f14.1e100.net (172.217.9.78): icmp\_seq=4 ttl=101 (truncated) 76 bytes from ord38s09-in-f14.1e100.net (172.217.9.78): icmp\_seq=5 ttl=101 (truncated)  --- google.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 70ms rtt min/avg/max/mdev = 19.534/19.571/19.626/0.094 ms, pipe 2, ipg/ewma 17.532/19.596 ms . TEST can |kg-topology-CloudEosRR2| resolve |cnn.com|. GIVEN URL is |cnn.com|. WHEN exception is |Name or service not known| string. THEN test case result is |True|. OUTPUT of |ping cnn.com| is :  PING cnn.com (151.101.129.67) 72(100) bytes of data. 80 bytes from 151.101.129.67 (151.101.129.67): icmp\_seq=1 ttl=39 time=10.6 ms 80 bytes from 151.101.129.67 (151.101.129.67): icmp\_seq=2 ttl=39 time=10.6 ms 80 bytes from 151.101.129.67 (151.101.129.67): icmp\_seq=3 ttl=39 time=10.6 ms 80 bytes from 151.101.129.67 (151.101.129.67): icmp\_seq=4 ttl=39 time=10.6 ms 80 bytes from 151.101.129.67 (151.101.129.67): icmp\_seq=5 ttl=39 time=10.6 ms  --- cnn.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 43ms rtt min/avg/max/mdev = 10.664/10.670/10.686/0.113 ms, pipe 2, ipg/ewma 10.790/10.678 ms . TEST can |kg-topology-CloudEosRR2| resolve |arista.com|. GIVEN URL is |arista.com|. WHEN exception is |Name or service not known| string. THEN test case result is |True|. OUTPUT of |ping arista.com| is :  PING arista.com (64.68.200.46) 72(100) bytes of data. 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=1 ttl=39 time=22.7 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=2 ttl=39 time=22.7 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=3 ttl=39 time=22.8 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=4 ttl=39 time=22.7 ms 80 bytes from url-fwd.easydns.com (64.68.200.46): icmp\_seq=5 ttl=39 time=22.6 ms  --- arista.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 66ms rtt min/avg/max/mdev = 22.693/22.747/22.842/0.110 ms, pipe 3, ipg/ewma 16.567/22.729 ms . |