Stack Manager Studio Test Plan

CVP 2022.1.0

## Tested Hardware – SE Lab:

7280R3 – dc3-leaf1 EOS 4.27.0F

ethernet 3-48

ethernet 51/1 – 54/1

720XP – dc3-leaf2, dc3-leaf3, dc3-leaf4 EOS 4.27.2F

ethernet 6 -20

7050X3 – dc3-spine1, dc3-spine2 EOS 4.27.0F

ethernet 5/1-32/1

# General Profile Features on Ports:

1. Access Port features
   1. Simple Switch Interface UI

7280R3 – dc3-leaf1

ethernet 3

720XP – dc3-leaf2

ethernet 6

* 1. Stack UI

7280R3 – dc3-leaf1

ethernet 4-8

ethernet 51/1 – 52/1

720XP – dc3-leaf2, dc3-leaf3, dc3-leaf4

ethernet 7 -8

7050X3 – dc3-spine1, dc3-spine2

ethernet 7/1-8/1

* 1. Port fast and BPDU Guard
  2. VLAN ID in profile
  3. VLAN ID not in profile
  4. Command line field input
  5. Enable disable
  6. Port Channel

7280R3 – dc3-leaf1

ethernet 9-10

720XP – dc3-leaf2, dc3-leaf3, dc3-leaf4

ethernet 9-10

7050X3 – dc3-spine1, dc3-spine2

ethernet 9/1-10/1

* 1. LACP
  2. MLAG
  3. VLAN ID in profile
  4. VLAN ID not in profile
  5. Enable disable

1. Routed Port features
   1. Simple Switch Interface UI Routed Port

7050X3 – dc3-spine1

ethernet 5/1 WHOLE PORT

7050X3 – dc3-spine1

ethernet 6/1 PORT CHANNEL

* 1. Stack UI Routed Port

7280R3 – dc3-leaf1

ethernet 11 routed w IP in profile

ethernet 12 routed w IP in interface config

ethernet 13 routed w IP in interface config in VRF

720XP – dc3-leaf2, dc3-leaf3, dc3-leaf4

ethernet 11 routed w IP in profile

ethernet 12 routed w IP in interface config

ethernet 13 routed w IP in interface config in VRF

7050X3 – dc3-spine1, dc3-spine2

ethernet 11/1 routed w IP in profile

ethernet 12/1 routed w IP in interface config

ethernet 13/1 routed w IP in interface config in VRF

* + 1. IP address in profile
    2. IP address not in profile
    3. V IP address in profile (not valid so should not get configured)
    4. MTU
    5. RPF
    6. VRF
    7. DHCP helpers
    8. Command line field input
    9. Enable disable
  1. Simple Switch Interface UI Routed Subinterface

7050X3 – dc3-spine2

ethernet 5/1

* 1. Stack UI Subinterface

7280R3 – dc3-leaf1

ethernet 14.301 routed w IP in profile

ethernet 14.302 routed w IP in interface config

ethernet 15.302 routed w IP in interface config in VRF

ethernet 53/1.501 routed w IP in profile

ethernet 53/1.502 routed w IP in interface config

ethernet 53/1.503 routed w IP in interface config in VRF

720XP – dc3-leaf2, dc3-leaf3, dc3-leaf4

ethernet 14.401 routed w IP in profile

ethernet 14.401 routed w IP in interface config

ethernet 14.403 routed w IP in interface config in VRF

7050X3 – dc3-spine1, dc3-spine2

ethernet 14/1.304 routed w IP in profile

ethernet 14/1.305 routed w IP in interface config

ethernet 14/1.306 routed w IP in interface config in VRF

* + 1. IP address in profile
    2. IP address not in profile
    3. V IP address I profile (not valid so should not get configured)
    4. MTU
    5. RPF
    6. VRF
    7. DHCP helpers
    8. Command line field input
    9. Enable disable
  1. Simple Switch Interface UI Port Channel Whole Port
  2. Stack UI Port Channel Whole Port

7280R3 – dc3-leaf1

ethernet 16 routed w IP in profile

ethernet 17 routed w IP in interface config

ethernet 18 routed w IP in interface config in VRF

720XP – dc3-leaf2, dc3-leaf3, dc3-leaf4

ethernet 16 routed w IP in profile

ethernet 17 routed w IP in interface config

ethernet 18 routed w IP in interface config in VRF

7050X3 – dc3-spine1, dc3-spine2

ethernet 15/1 routed w IP in profile

ethernet 16/1 routed w IP in interface config

ethernet 17/1 routed w IP in interface config in VRF

* + 1. IP address in profile
    2. IP address not in profile
    3. LACP
    4. RPF
    5. VRF
    6. DHCP helpers
    7. Commands line field input
    8. Enable disable
  1. Port Channel Subinterfaces

7280R3 – dc3-leaf1

ethernet 19.701 routed w IP in profile

ethernet 19.702 routed w IP in interface config

ethernet 19.703 routed w IP in interface config in VRF

720XP – dc3-leaf2, dc3-leaf3, dc3-leaf4

ethernet 19.701 routed w IP in profile

ethernet 19.702 routed w IP in interface config

ethernet 19.703 routed w IP in interface config in VRF

7050X3 – dc3-spine1, dc3-spine2

ethernet 18/1.701 routed w IP in profile

ethernet 18/1.702 routed w IP in interface config

ethernet 18/1.703 routed w IP in interface config in VRF

* + 1. IP address in profile
    2. IP address not in profile
    3. LACP
    4. RPF
    5. VRF
    6. DHCP helpers
    7. Commands line field input
    8. Enable disable

1. Trunk Port features
   1. Simple Switch Interface UI Trunk Port

7050X3 – dc3-spine2

ethernet 6/1

* 1. Stack UI Trunk Port

7280R3 – dc3-leaf1

ethernet 20-24

720XP – dc3-leaf2, dc3-leaf3, dc3-leaf4

ethernet 20

7050X3 – dc3-spine1, dc3-spine2

ethernet 19/1-24/1

* 1. Allowed VLANs
  2. Native VLAN
  3. Command line field input
  4. Enable disable
  5. Port Channel

7280R3 – dc3-leaf1

ethernet 25-26

ethernet 54/1

720XP – dc3-leaf2, dc3-leaf3, dc3-leaf4

ethernet 21

7050X3 – dc3-spine1, dc3-spine2

ethernet 25/1-29/1

* 1. LACP
  2. MLAG
  3. Allowed VLANs
  4. Native VLAN
  5. Command line field input
  6. Enable disable

1. Phone Port features
   1. Simple Switch UI Phone Trunk Tagged

720XP – dc3-leaf3

ethernet 6

* 1. Stack UI Phone Trunk Tagged

720XP – dc3-leaf2, dc3-leaf3, dc3-leaf4

ethernet 22

* + 1. Command line field input
    2. Port fast
    3. Bpdu guard
    4. Enable Disable
  1. Simple Switch Interface UI Phone Trunk Untagged

720XP – dc3-leaf4

ethernet 6

* 1. Stack UI Phone Trunk Untagged

720XP – dc3-leaf2, dc3-leaf3, dc3-leaf4

ethernet 23

* + 1. Command line field input
    2. Port fast
    3. Bpdu guard
    4. Enable Disable

1. Multi Site Test
   1. Each of the port type tests above were done as a different site
2. VLAN Interfaces

Each devices configured with all VLANs

7280R3 – dc3-leaf1

720XP – dc3-leaf2, dc3-leaf3, dc3-leaf4

7050X3 – dc3-spine1, dc3-spine2

* 1. IP Address VLAN 3
  2. Virtual Router IP Address VLAN 4
  3. IP Address Virtual VLAN 5
  4. VRF VLAN 6
  5. Gateway (0/0 static route) VLAN 7
  6. Secondary IP Addresses VLAN 8
  7. Multiple DHCP Helpers VLAN 9
  8. VLAN ID only (no IP Address) VLAN 10
  9. MTU VLAN 11
  10. RPF VLAN 12
  11. Command line input VLAN 13
  12. ACL VLAN 14
  13. QOS VLAN 15
  14. Logging profile
  15. PIM profile

## Topology

Diagram

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated