

Regression report

Date: 2023-11-28 Time: 14-28-31

Summary report

| Module | Total testcases | Passed | Failed |
|--------|-----------------|--------|--------|
| l3_acs | 26 | 26 | 0 |

Testcase Complete Summary: Total: 26, Passed: 26, Failed: 0

Detailed report of l3_acs

Testcase summary: Total: 26, Passed: 26, Failed: 0

| Testcase name | Status | User Input | Commands | Before | After | Module exception |
|----------------|--------|---|---|--|---|-------------------|
| test_case_01.1 | Passed | <pre> Input: [{ "acsls": [{ "name": "ip-acl1", "remark": "IPv4 ACL 1", "rules": [{ "action": "permit", "destination": { "host": "192.168.2.2" }, "protocol": { "name": "ip" }, "remark": "Host-Rule", "sequence_num": 1, "source": { "host": "192.168.1.2" } }, { "action": "transit", "destination": { "any": true }, "protocol": { "name": "icmp" }, "protocol_options": { "icmp": { "type": 8 } }, "sequence_num": 2, "source": { "prefix": "192.168.0.0/16" }, "vlan_id": 100 }] }], "address_family": "ipv4" }] </pre> | <pre> Commands: [{ "acsls": [{ "name": "ip-acl1", "remark": "IPv4 ACL 1", "rules": [{ "action": "permit", "destination": { "host": "192.168.2.2" }, "protocol": { "name": "ip" }, "remark": "Host-Rule", "sequence_num": 1, "source": { "host": "192.168.1.2" } }, { "action": "transit", "destination": { "any": true }, "protocol": { "name": "icmp" }, "protocol_options": { "icmp": { "type": 8 } }, "sequence_num": 2, "source": { "prefix": "192.168.0.0/16" }, "vlan_id": 100 }] }], "address_family": "ipv4", "state": "merged" }] </pre> | <pre> Before: [] </pre> | <pre> After: [{ "acsls": [{ "name": "ip-acl1", "remark": "IPv4 ACL 1", "rules": [{ "action": "permit", "destination": { "host": "192.168.2.2" }, "protocol": { "name": "ip" }, "remark": "Host-Rule", "sequence_num": 1, "source": { "host": "192.168.1.2" } }, { "action": "transit", "destination": { "any": true }, "protocol": { "name": "icmp" }, "protocol_options": { "icmp": { "type": 8 } }, "sequence_num": 2, "source": { "prefix": "192.168.0.0/16" }, "vlan_id": 100 }] }], "address_family": "ipv4" }] </pre> | Error: "No Error" |
| test_case_01.2 | Passed | <pre> Input: [{ "acsls": [{ "name": "ip-acl1", "remark": "IPv4 ACL 1", "rules": [{ "action": "permit", "destination": { "host": "192.168.2.2" }, "protocol": { "name": "ip" }, "remark": "Host-Rule", "sequence_num": 1, "source": { "host": "192.168.1.2" } }, { "action": "transit", "destination": { "any": true }, "protocol": { "name": "icmp" }, "protocol_options": { "icmp": { "type": 8 } }, "sequence_num": 2, "source": { "prefix": "192.168.0.0/16" }, "vlan_id": 100 }] }], "address_family": "ipv4" }] </pre> | <pre> Commands: [] </pre> | <pre> Before: [{ "acsls": [{ "name": "ip-acl1", "remark": "IPv4 ACL 1", "rules": [{ "action": "permit", "destination": { "host": "192.168.2.2" }, "protocol": { "name": "ip" }, "remark": "Host-Rule", "sequence_num": 1, "source": { "host": "192.168.1.2" } }, { "action": "transit", "destination": { "any": true }, "protocol": { "name": "icmp" }, "protocol_options": { "icmp": { "type": 8 } }, "sequence_num": 2, "source": { "prefix": "192.168.0.0/16" }, "vlan_id": 100 }] }], "address_family": "ipv4" }] </pre> | <pre> After: "Not defined" </pre> | Error: "No Error" |
| test_case_02.1 | Passed | <pre> Input: [{ "acsls": [{ "name": "ipv6-acl1", "remark": "IPv6 ACL 1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "prefix": "192::/64" } }, { "action": "permit", "host": "192::2", "port_number": { "eq": 80 } }] }], "address_family": "ipv6" }] </pre> | <pre> Commands: [{ "acsls": [{ "name": "ipv6-acl1", "remark": "IPv6 ACL 1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "prefix": "192::/64" } }, { "action": "permit", "host": "192::2", "port_number": { "eq": 80 } }] }], "address_family": "ipv6" }] </pre> | <pre> Before: [{ "acsls": [{ "name": "ip-acl1", "remark": "IPv4 ACL 1", "rules": [{ "action": "permit", "destination": { "host": "192.168.2.2" }, "protocol": { "name": "ip" }, "remark": "Host-Rule", "sequence_num": 1, "source": { "host": "192.168.1.2" } }, { "action": "transit", "destination": { "any": true }, "protocol": { "name": "icmp" }, "protocol_options": { "icmp": { "type": 8 } }, "sequence_num": 2, "source": { "prefix": "192.168.0.0/16" }, "vlan_id": 100 }] }], "address_family": "ipv4" }] </pre> | <pre> After: [{ "acsls": [{ "name": "ip-acl1", "remark": "IPv4 ACL 1", "rules": [{ "action": "permit", "destination": { "host": "192.168.2.2" }, "protocol": { "name": "ip" }, "remark": "Host-Rule", "sequence_num": 1, "source": { "host": "192.168.1.2" } }, { "action": "transit", "destination": { "any": true }, "protocol": { "name": "icmp" }, "protocol_options": { "icmp": { "type": 8 } }, "sequence_num": 2, "source": { "prefix": "192.168.0.0/16" }, "vlan_id": 100 }] }], "address_family": "ipv4" }] </pre> | Error: "No Error" |

| Testcase name | Status | User Input | Commands | Before | After | Module exception |
|----------------|--------|---|---|--|---|-------------------|
| | | <pre> } }, "protocol": { "name": "tcp" }, "sequence_num": 2, "source": { "any": true, "port_number": { "gt": 1024 } } }], "address_family": "ipv6" } } </pre> | <pre> }, "protocol": { "name": "tcp" }, "sequence_num": 2, "source": { "any": true, "port_number": { "gt": 1024 } } }], "address_family": "ipv6", "state": "merged" } } </pre> | <pre> }, "protocol": { "name": "icmp" }, "protocol_options": { "icmp": { "type": 8 } }, "sequence_num": 2, "source": { "prefix": "192.168.0.0/16" }, "vlan_id": 100 }], "address_family": "ipv4" } } </pre> | <pre> }, "protocol": { "name": "icmp" }, "protocol_options": { "icmp": { "type": 8 } }, "sequence_num": 2, "source": { "prefix": "192.168.0.0/16" }, "vlan_id": 100 }], "address_family": "ipv4" }, { "acis": [{ "name": "ipv6-ac11", "remark": "IPv6 ACL 1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "prefix": "192::/64" } }, { "action": "permit", "destination": { "host": "192::2", "port_number": { "eq": 80 } }, "protocol": { "name": "tcp" }, "sequence_num": 2, "source": { "any": true, "port_number": { "gt": 1024 } } }] }], "address_family": "ipv6" } } </pre> | |
| test_case_02.2 | Passed | <pre> Input: [{ "acis": [{ "name": "ipv6-ac11", "remark": "IPv6 ACL 1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "prefix": "192::/64" } }, { "action": "permit", "destination": { "host": "192::2", "port_number": { "eq": 80 } }, "protocol": { "name": "tcp" }, "sequence_num": 2, "source": { "any": true, "port_number": { "gt": 1024 } } }] }], "address_family": "ipv6" }] </pre> | Commands: [] | <pre> Before: [{ "acis": [{ "name": "ip-ac11", "remark": "IPv4 ACL 1", "rules": [{ "action": "permit", "destination": { "host": "192.168.2.2" }, "protocol": { "name": "ip" }, "remark": "Host-Rule", "sequence_num": 1, "source": { "host": "192.168.1.2" } }, { "action": "transit", "destination": { "any": true }, "protocol": { "name": "icmp" }, "protocol_options": { "icmp": { "type": 8 } }, "sequence_num": 2, "source": { "prefix": "192.168.0.0/16" }, "vlan_id": 100 }] }], "address_family": "ipv4" }, { "acis": [{ "name": "ipv6-ac11", "remark": "IPv6 ACL 1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "prefix": "192::/64" } }, { "action": "permit", "destination": { "host": "192::2", "port_number": { "eq": 80 } }, "protocol": { "name": "tcp" }, "sequence_num": 2, "source": { "any": true, "port_number": { "gt": 1024 } } }] }], "address_family": "ipv6" }] </pre> | After: "Not defined" | Error: "No Error" |

| Testcase name | Status | User Input | Commands | Before | After | Module exception |
|----------------|--------|--|---|---|--|-------------------|
| test_case_03.1 | Passed | <pre> Input: [{ "acls": [{ "name": "ip-acl1", "rules": [{ "action": "deny", "destination": { "port_number": { "lt": 1024 }, "prefix": "192.168.1.0/24" }, "protocol": { "name": "udp", "number": 17 }, "remark": "Drop UDP", "sequence_num": 3, "source": { "host": "192.168.1.2" } }] }, { "name": "ip-acl2", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "ack": true, "fin": true, "syn": true } }, "sequence_num": 1, "source": { "any": true } }, { "action": "permit", "destination": { "any": true }, "dscp": { "voice_admit": true }, "protocol": { "number": 2 }, "sequence_num": 2, "source": { "any": true } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "icmp" }, "sequence_num": 3, "source": { "any": true } }] }], "address_family": "ipv4" }, { "acls": [{ "name": "ipv6-acl1", "rules": [{ "action": "deny", "destination": { "host": "100::1", "port_number": { "range": { "begin": 1024, "end": 2048 } } }, "protocol": { "name": "udp" }, "sequence_num": 3, "source": { "any": true } }] }, { "name": "ipv6-acl2", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "icmpv6" }, "protocol_options": { "icmpv6": { "code": 0, "type": 128 } }, "sequence_num": 1, "source": { "any": true }, "vlan_id": 200 }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 2, "source": { "host": "100::1" }, "vlan_id": 200 }] }], "address_family": "ipv6" }] </pre> | <pre> Commands: [{ "acls": [{ "name": "ip-acl1", "rules": [{ "action": "deny", "destination": { "port_number": { "lt": 1024 }, "prefix": "192.168.1.0/24" }, "protocol": { "name": "udp" }, "remark": "Drop UDP", "sequence_num": 3, "source": { "host": "192.168.1.2" } }] }, { "name": "ip-acl2", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "ack": true, "fin": true, "syn": true } }, "sequence_num": 1, "source": { "any": true } }, { "action": "permit", "destination": { "any": true }, "dscp": { "voice_admit": true }, "protocol": { "number": 2 }, "sequence_num": 2, "source": { "any": true } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "icmp" }, "sequence_num": 3, "source": { "any": true } }] }], "address_family": "ipv4", "state": "merged" }, { "acls": [{ "name": "ipv6-acl1", "rules": [{ "action": "deny", "destination": { "host": "100::1", "port_number": { "range": { "begin": 1024, "end": 2048 } } }, "protocol": { "name": "udp" }, "sequence_num": 3, "source": { "any": true } }] }, { "name": "ipv6-acl2", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "icmpv6" }, "protocol_options": { "icmpv6": { "code": 0, "type": 128 } }, "sequence_num": 1, "source": { "any": true }, "vlan_id": 200 }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 2, "source": { "host": "100::1" }, "vlan_id": 200 }] }], "address_family": "ipv6", "state": "merged" }] </pre> | <pre> Before: [{ "acls": [{ "name": "ip-acl1", "remark": "IPv4 ACL 1", "rules": [{ "action": "permit", "destination": { "host": "192.168.2.2" }, "protocol": { "name": "ip" }, "remark": "Host-Rule", "sequence_num": 1, "source": { "host": "192.168.1.2" } }, { "action": "transit", "destination": { "any": true }, "protocol": { "name": "icmp" }, "protocol_options": { "icmp": { "type": 8 } }, "sequence_num": 2, "source": { "prefix": "192.168.0.0/16" }, "vlan_id": 100 }] }, { "name": "ip-acl2", "rules": [{ "action": "deny", "destination": { "port_number": { "lt": 1024 }, "prefix": "192.168.1.0/24" }, "protocol": { "name": "udp" }, "remark": "Drop UDP", "sequence_num": 3, "source": { "host": "192.168.1.2" } }] }], "address_family": "ipv4" }, { "acls": [{ "name": "ipv6-acl1", "remark": "IPv6 ACL 1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "prefix": "192::/64" } }, { "action": "permit", "destination": { "host": "192::2", "port_number": { "eq": 80 } }, "protocol": { "name": "tcp" }, "sequence_num": 2, "source": { "any": true, "port_number": { "gt": 1024 } } }] }], "address_family": "ipv6" }] </pre> | <pre> After: [{ "acls": [{ "name": "ip-acl1", "remark": "IPv4 ACL 1", "rules": [{ "action": "permit", "destination": { "host": "192.168.2.2" }, "protocol": { "name": "ip" }, "remark": "Host-Rule", "sequence_num": 1, "source": { "host": "192.168.1.2" } }, { "action": "transit", "destination": { "any": true }, "protocol": { "name": "icmp" }, "protocol_options": { "icmp": { "type": 8 } }, "sequence_num": 2, "source": { "prefix": "192.168.0.0/16" }, "vlan_id": 100 }] }, { "action": "deny", "destination": { "port_number": { "lt": 1024 }, "prefix": "192.168.1.0/24" }, "protocol": { "name": "udp" }, "remark": "Drop UDP", "sequence_num": 3, "source": { "host": "192.168.1.2" } }] }, { "name": "ip-acl2", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "ack": true, "fin": true, "syn": true } }, "sequence_num": 1, "source": { "any": true } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "icmp" }, "sequence_num": 3, "source": { "any": true } }] }], "address_family": "ipv4" }, { "acls": [{ "name": "ipv6-acl1", "remark": "IPv6 ACL 1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "prefix": "192::/64" } }, { "action": "permit", "destination": { "host": "192::2", "port_number": { "eq": 80 } }, "protocol": { "name": "tcp" }, "sequence_num": 2, "source": { "any": true, "port_number": { "gt": 1024 } } }] }], "address_family": "ipv6" }] </pre> | Error: "No Error" |

| Testcase name | Status | User Input | Commands | Before | After | Module exception |
|----------------|--------|---|---------------------------|--|--|--------------------------------|
| | | | | | <pre> { "action": "deny", "destination": { "host": "100::1", "port_number": { "range": { "begin": 1024, "end": 2048 } } }, "protocol": { "name": "udp" }, "sequence_num": 3, "source": { "any": true } } },] }, { "name": "ipv6-acl12", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "icmpv6" }, "protocol_options": { "icmpv6": { "code": 0, "type": 128 } }, "sequence_num": 1, "source": { "any": true }, "vlan_id": 200 }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 2, "source": { "host": "100::1" }, "vlan_id": 200 }] }, }, }, "address_family": "ipv6" } } </pre> | |
| test_case_03.2 | Passed | <pre> Input: [{ "acls": [{ "name": "ip-acl1", "rules": [{ "action": "deny", "destination": { "port_number": { "lt": 1024 }, "prefix": "192.168.1.0/24" }, "protocol": { "number": 17 }, "remark": "Drop UDP", "sequence_num": 3, "source": { "host": "192.168.1.2" } }] }, { "name": "ip-acl2", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "ack": true, "fin": true, "syn": true } }, "sequence_num": 1, "source": { "any": true } }, { "action": "permit", "destination": { "any": true }, "dscp": { "voice_admit": true }, "protocol": { "number": 2 }, "sequence_num": 2, "source": { "any": true } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "icmp" }, "sequence_num": 3, "source": { "any": true } }] }], "address_family": "ipv4" }, { "acls": [{ "name": "ipv6-acl1", "rules": [{ "action": "deny", </pre> | <pre> Commands: [] </pre> | <pre> Before: [{ "acls": [{ "name": "ip-acl1", "remark": "IPv4 ACL 1", "rules": [{ "action": "permit", "destination": { "host": "192.168.2.2" }, "protocol": { "name": "ip" }, "remark": "Host-Rule", "sequence_num": 1, "source": { "host": "192.168.1.2" } }], { "action": "transit", "destination": { "any": true }, "protocol": { "name": "icmp" }, "protocol_options": { "icmp": { "type": 8 } }, "sequence_num": 2, "source": { "prefix": "192.168.0.0/16" }, "vlan_id": 100 }, { "action": "deny", "destination": { "port_number": { "lt": 1024 }, "prefix": "192.168.1.0/24" }, "protocol": { "name": "udp" }, "remark": "Drop UDP", "sequence_num": 3, "source": { "host": "192.168.1.2" } }] }, { "name": "ip-acl2", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "ack": true, "fin": true, "syn": true } }, "sequence_num": 1, "source": { "any": true } }] }, { "action": "permit", "destination": { "any": true }, "dscp": { "voice_admit": true } }] } } </pre> | <pre> After: "Not defined" </pre> | <pre> Error: "No Error" </pre> |

| Testcase name | Status | User Input | Commands | Before | After | Module exception |
|---------------|--------|--|----------|--|-------|------------------|
| | | <pre> "destination": { "host": "100::1", "port_number": { "range": { "begin": 1024, "end": 2048 } } }, "protocol": { "name": "udp" }, "sequence_num": 3, "source": { "any": true } }], { "name": "ipv6-acl2", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "icmpv6" }, "protocol_options": { "icmpv6": { "code": 0, "type": 128 } }, "sequence_num": 1, "source": { "any": true }, "vlan_id": 200 }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 2, "source": { "host": "100::1" }, "vlan_id": 200 }] }, "address_family": "ipv6" } </pre> | | | | |
| | | | | <pre> }, "protocol": { "number": 2 }, "sequence_num": 2, "source": { "any": true } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "icmp" }, "sequence_num": 3, "source": { "any": true } } } }, "address_family": "ipv4" }, { "acls": [{ "name": "ipv6-acl1", "remark": "IPv6 ACL 1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "prefix": "192::/64" } }, { "action": "permit", "destination": { "host": "192::2", "port_number": { "eq": 80 } }, "protocol": { "name": "tcp" }, "sequence_num": 2, "source": { "any": true, "port_number": { "gt": 1024 } } }], "action": "deny", "destination": { "host": "100::1", "port_number": { "range": { "begin": 1024, "end": 2048 } } }, "protocol": { "name": "udp" }, "sequence_num": 3, "source": { "any": true } }], "name": "ipv6-acl2", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "icmpv6" }, "protocol_options": { "icmpv6": { "code": 0, "type": 128 } }, "sequence_num": 1, "source": { "any": true }, "vlan_id": 200 }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 2, "source": { "host": "100::1" }, "vlan_id": 200 }] }, "address_family": "ipv6" } </pre> | | |

| | | | | | | |
|----------------|--------|--|---|---|--|-------------------|
| test_case_04.1 | Passed | <pre> Input: [{ "acls": [{ "name": "ip-acl2", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "established": true } }, "remark": "TCP established", "sequence_num": 1, "source": { "any": true } }] }] }] </pre> | <pre> Commands: [{ "acls": [{ "name": "ip-acl2", "rules": [{ "sequence_num": 3 }, { "sequence_num": 1 }, { "sequence_num": 2 }] }], "address_family": "ipv4", "state": "deleted" }, { "acls": [</pre> | <pre> Before: [{ "acls": [{ "name": "ip-acl1", "remark": "IPv4 ACL 1", "rules": [{ "action": "permit", "destination": { "host": "192.168.2.2" }, "protocol": { "name": "ip" }, "remark": "Host-Rule", "sequence_num": 1, "source": { "host": "192.168.1.2" } }] }, { "action": "transit", "destination": { </pre> | <pre> After: [{ "acls": [{ "name": "ip-acl1", "remark": "IPv4 ACL 1", "rules": [{ "action": "permit", "destination": { "host": "192.168.2.2" }, "protocol": { "name": "ip" }, "remark": "Host-Rule", "sequence_num": 1, "source": { "host": "192.168.1.2" } }] }, { "action": "transit", "destination": { </pre> | Error: "No Error" |
|----------------|--------|--|---|---|--|-------------------|

| Testcase name | Status | User Input | Commands | Before | After | Module exception |
|---------------|--------|---|---|---|--|------------------|
| | | <pre> }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }, { "name": "ip-acl3", "rules": [{ "action": "permit", "destination": { "host": "192.168.2.2" }, "dscp": { "value": 4 }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "any": true } }], "action": "discard", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "psh": true, "urg": true } }, "sequence_num": 2, "source": { "any": true } }] }, "address_family": "ipv4" }, { "name": "ip-acl1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "sequence_num": 1, "source": { "host": "100::2", "port_number": { "eq": 80 } } }, { "action": "deny", "destination": { "any": true, "port_number": { "gt": 1024 } }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "any": true, "port_number": { "gt": 1024 } } }], "address_family": "ipv6" } } </pre> | <pre> "name": "ip-v6-acl1", "remark": "IPv6 ACL 1", "rules": [{ "sequence_num": 3 }, { "sequence_num": 1 }, { "sequence_num": 2 }] }, "address_family": "ipv6", "state": "deleted" }, { "acls": [{ "name": "ip-acl2", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "established": true } }, "remark": "TCP established", "sequence_num": 1, "source": { "any": true } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }], "name": "ip-acl3", "rules": [{ "action": "permit", "destination": { "host": "192.168.2.2" }, "dscp": { "value": 4 }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "any": true } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "psh": true, "urg": true } }, "sequence_num": 2, "source": { "any": true } }], "address_family": "ipv4", "state": "replaced" }, { "acls": [{ "name": "ip-v6-acl1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "sequence_num": 1, "source": { "host": "100::2", "port_number": { "eq": 80 } } }, { "action": "deny", "destination": { "any": true, "port_number": { "gt": 1024 } }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "any": true, "port_number": { "gt": 1024 } } }] }], "address_family": "ipv6", "state": "replaced" } } </pre> | <pre> "any": true }, "protocol": { "name": "icmp" }, "protocol_options": { "icmp": { "type": 8 } }, "sequence_num": 2, "source": { "prefix": "192.168.0.0/16" }, "vlan_id": 100 }, { "action": "deny", "destination": { "port_number": { "lt": 1024 }, "prefix": "192.168.1.0/24" }, "protocol": { "name": "udp" }, "remark": "Drop UDP", "sequence_num": 3, "source": { "host": "192.168.1.2" } }] }, { "name": "ip-acl2", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "ack": true, "fin": true, "syn": true } }, "sequence_num": 1, "source": { "any": true } }, { "action": "permit", "destination": { "any": true }, "dscp": { "voice_admit": true }, "protocol": { "number": 2 }, "sequence_num": 2, "source": { "any": true } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "icmp" }, "sequence_num": 3, "source": { "any": true } }], "address_family": "ipv4" }, { "acls": [{ "name": "ip-v6-acl1", "remark": "IPv6 ACL 1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "prefix": "192::/64" } }, { "action": "permit", "destination": { "host": "192::2", "port_number": { "eq": 80 } }, "protocol": { "name": "tcp" }, "sequence_num": 2, "source": { "any": true, "port_number": { "gt": 1024 } } }, { "action": "deny", "destination": { "host": "100::1", "port_number": { "range": { "begin": 1024, "end": 2048 } } }, "protocol": { "name": "udp" }, "sequence_num": 3, "source": { "any": true } }] }], "name": "ip-v6-acl2", "rules": [</pre> | <pre> "any": true }, "protocol": { "name": "icmp" }, "protocol_options": { "icmp": { "type": 8 } }, "sequence_num": 2, "source": { "prefix": "192.168.0.0/16" }, "vlan_id": 100 }, { "action": "deny", "destination": { "port_number": { "lt": 1024 }, "prefix": "192.168.1.0/24" }, "protocol": { "name": "udp" }, "remark": "Drop UDP", "sequence_num": 3, "source": { "host": "192.168.1.2" } }] }, { "name": "ip-acl2", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "established": true } }, "remark": "TCP established", "sequence_num": 1, "source": { "any": true } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "protocol_options": { "tcp": { "established": true } }, "remark": "TCP established", "sequence_num": 1, "source": { "any": true } }], "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }, { "name": "ip-acl3", "rules": [{ "action": "permit", "destination": { "host": "192.168.2.2" }, "dscp": { "value": 4 }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "any": true } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "psh": true, "urg": true } }, "sequence_num": 2, "source": { "any": true } }], "address_family": "ipv4" }, { "acls": [{ "name": "ip-v6-acl1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "sequence_num": 1, "source": { "prefix": "192::/64" } }, { "action": "permit", "destination": { "host": "192::2", "port_number": { "eq": 80 } }, "protocol": { "name": "tcp" }, "sequence_num": 2, "source": { "any": true, "port_number": { "gt": 1024 } } }, { "action": "deny", "destination": { "host": "100::1", "port_number": { "range": { "begin": 1024, "end": 2048 } } }, "protocol": { "name": "udp" }, "sequence_num": 3, "source": { "any": true } }] }], "name": "ip-v6-acl2", "rules": [</pre> | |

| Testcase name | Status | User Input | Commands | Before | After | Module exception |
|----------------|--------|---|--------------|---|--|-------------------|
| | | | | <pre> "action": "permit", "destination": { "any": true }, "protocol": { "name": "icmpv6" }, "protocol_options": { "icmpv6": { "code": 0, "type": 128 } }, "sequence_num": 1, "source": { "any": true }, "vlan_id": 200 }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 2, "source": { "host": "100::1" }, "vlan_id": 200 }], "address_family": "ipv6" } </pre> | <pre>] }, "address_family": "ipv6" } </pre> | |
| test_case_04.2 | Passed | <pre> Input: [{ "acls": [{ "name": "ip-acl2", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "established": true } }, "remark": "TCP established", "sequence_num": 1, "source": { "any": true } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }, { "name": "ip-acl3", "rules": [{ "action": "permit", "destination": { "host": "192.168.2.2" }, "dscp": { "value": 4 }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "any": true } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "psh": true, "urg": true } }, "sequence_num": 2, "source": { "any": true } }] }], "address_family": "ipv4" }, { "acls": [{ "name": "ipv6-acl1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "sequence_num": 1, "source": { "host": "100::2", "port_number": { "eq": 80 } } }, { "action": "deny", "destination": { "any": true, </pre> | Commands: [] | <pre> Before: [{ "acls": [{ "name": "ip-acl1", "remark": "IPv4 ACL 1", "rules": [{ "action": "permit", "destination": { "host": "192.168.2.2" }, "protocol": { "name": "ip" }, "remark": "Host-Rule", "sequence_num": 1, "source": { "host": "192.168.1.2" } }, { "action": "transit", "destination": { "any": true }, "protocol": { "name": "icmp" }, "protocol_options": { "icmp": { "type": 8 } }, "sequence_num": 2, "source": { "prefix": "192.168.0.0/16" }, "vlan_id": 100 }, { "action": "deny", "destination": { "port_number": { "lt": 1024 }, "prefix": "192.168.1.0/24" }, "protocol": { "name": "udp" }, "remark": "Drop UDP", "sequence_num": 3, "source": { "host": "192.168.1.2" } }] }, { "name": "ip-acl2", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "established": true } }, "remark": "TCP established", "sequence_num": 1, "source": { "any": true } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }, { "name": "ip-acl3", "rules": [{ "action": "permit", "destination": { "host": "192.168.2.2" }, "dscp": { "value": 4 }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "any": true, </pre> | After: "Not defined" | Error: "No Error" |

| Testcase name | Status | User Input | Commands | Before | After | Module exception | |
|---------------|--------|--|----------|---|-------|------------------|--|
| | | <pre> "port_number": { "gt": 1024 }, }, "protocol": { "name": "udp" }, }, "sequence_num": 2, "source": { "any": true, "port_number": { "gt": 1024 } } } } }, "address_family": "ipv6" } } </pre> | | <pre> "name": "ip" }, "sequence_num": 1, "source": { "any": true } }, }, "action": "discard", "destination": { "any": true }, }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "psh": true, "urg": true } }, }, "sequence_num": 2, "source": { "any": true } } } } }, "address_family": "ipv4" }, }, { "acls": [{ "name": "ipv6-acl1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "sequence_num": 1, "source": { "host": "100::2", "port_number": { "eq": 80 } } }, { "action": "deny", "destination": { "any": true, "port_number": { "gt": 1024 } }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "any": true, "port_number": { "gt": 1024 } } }] }, { "name": "ipv6-acl2", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "icmpv6" }, "protocol_options": { "icmpv6": { "code": 0, "type": 128 } }, "sequence_num": 1, "source": { "any": true }, "vlan_id": 200 }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 2, "source": { "host": "100::1" }, "vlan_id": 200 }] }], "address_family": "ipv6" } } </pre> | | | |

| | | | | | | |
|----------------|--------|--|---|---|--|-------------------|
| test_case_05.1 | Passed | <pre> Input: [{ "acls": [{ "name": "ip-acl", "rules": [{ "action": "permit", "destination": { "host": "100.1.2.2" }, "protocol": { "name": "icmp" }, "sequence_num": 1, "source": { "host": "100.1.1.2" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }], "name": "test-acl-ipv4-udp", "remark": "UDP", }] </pre> | <pre> Commands: [{ "acls": [{ "name": "ip-acl1" }, { "name": "ip-acl2" }, { "name": "ip-acl3" }], "address_family": "ipv4", "state": "deleted" }, { "acls": [{ "name": "ipv6-acl1" }, { "name": "ipv6-acl2" }], "address_family": "ipv6", "state": "deleted" }, { "acls": [{ "name": "test-acl-ipv4-udp", "remark": "UDP", "rules": [{ "action": "permit", "destination": { </pre> | <pre> Before: [{ "acls": [{ "name": "ip-acl1", "remark": "IPv4 ACL 1", "rules": [{ "action": "permit", "destination": { "host": "192.168.2.2" }, "protocol": { "name": "ip" }, "remark": "Host-Rule", "sequence_num": 1, "source": { "host": "192.168.1.2" } }] }, { "action": "transit", "destination": { "any": true }, "protocol": { "name": "icmp" }, "protocol_options": { "icmp": { "type": 8 } }, "sequence_num": 2, "source": { "prefix": "192.168.0.0/16" } }] }] </pre> | <pre> After: [{ "acls": [{ "name": "ip-acl", "rules": [{ "action": "permit", "destination": { "host": "100.1.2.2" }, "protocol": { "name": "icmp" }, "sequence_num": 1, "source": { "host": "100.1.1.2" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }], "name": "test-acl-ipv4-udp", "remark": "UDP", }] </pre> | Error: "No Error" |
|----------------|--------|--|---|---|--|-------------------|

| Testcase name | Status | User Input | Commands | Before | After | Module exception |
|---------------|--------|--|---|--|--|------------------|
| | | <pre> "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 1, "source": { "any": true, "port_number": { "lt": 1000 } } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "any": true } }], "address_family": "ipv4" } </pre> | <pre> "any": true }, "protocol": { "name": "udp" }, "sequence_num": 1, "source": { "any": true, "port_number": { "lt": 1000 } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "any": true } }, { "name": "ip-acl", "rules": [{ "action": "permit", "destination": { "host": "100.1.2.2" }, "protocol": { "name": "icmp" }, "sequence_num": 1, "source": { "host": "100.1.1.2" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] },], "address_family": "ipv4", "state": "overridden" } </pre> | <pre> }, "vlan_id": 100 }, { "action": "deny", "destination": { "port_number": { "lt": 1024 }, "prefix": "192.168.1.0/24" }, "protocol": { "name": "udp" }, "remark": "Drop UDP", "sequence_num": 3, "source": { "host": "192.168.1.2" } }, { "name": "ip-acl2", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "established": true } }, "remark": "TCP established", "sequence_num": 1, "source": { "any": true } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }, { "name": "ip-acl3", "rules": [{ "action": "permit", "destination": { "host": "192.168.2.2" }, "dscp": { "value": 4 }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "any": true } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "psb": true, "urg": true } }, "sequence_num": 2, "source": { "any": true } }] },], "address_family": "ipv4" }, { "acis": [{ "name": "ipv6-acl1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "sequence_num": 1, "source": { "host": "100::2", "port_number": { "eq": 80 } } }, { "action": "deny", "destination": { "any": true, "port_number": { "gt": 1024 } }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "any": true, "port_number": { "gt": 1024 } } }] }, { "name": "ipv6-acl2", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "icmpv6" }, </pre> | <pre> "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 1, "source": { "any": true, "port_number": { "lt": 1000 } } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "any": true } }], "address_family": "ipv4" } </pre> | |

| Testcase name | Status | User Input | Commands | Before | After | Module exception |
|----------------|--------|--|--|---|--|-------------------|
| | | | | <pre> "protocol_options": { "icmpv6": { "code": 0, "type": 128 } }, "sequence_num": 1, "source": { "any": true }, "vlan_id": 200 }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 2, "source": { "host": "100::1" }, "vlan_id": 200 } } }, "address_family": "ipv6" } </pre> | | |
| test_case_05.2 | Passed | <pre> Input: [{ "acls": [{ "name": "ip-acl", "rules": [{ "action": "permit", "destination": { "host": "100.1.2.2" }, "protocol": { "name": "icmp" }, "sequence_num": 1, "source": { "host": "100.1.1.2" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }, { "name": "test-acl-ipv4-udp", "remark": "UDP", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 1, "source": { "any": true, "port_number": { "lt": 1000 } } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "any": true } }] }], "address_family": "ipv4" }] </pre> | <pre> Commands: [] </pre> | <pre> Before: [{ "acls": [{ "name": "ip-acl", "rules": [{ "action": "permit", "destination": { "host": "100.1.2.2" }, "protocol": { "name": "icmp" }, "sequence_num": 1, "source": { "host": "100.1.1.2" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }, { "name": "test-acl-ipv4-udp", "remark": "UDP", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 1, "source": { "any": true, "port_number": { "lt": 1000 } } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "any": true } }] }], "address_family": "ipv4" }] </pre> | After: "Not defined" | Error: "No Error" |
| test_case_06.1 | Passed | <pre> Input: [{ "acls": [{ "name": "test-acl-ipv6", "rules": [{ "action": "permit", "destination": { "any": true }, "dscp": { "value": 8 }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "any": true } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 2, "source": { "any": true }, "vlan_id": 100 }] }, { "name": "test-acl-ipv6-tcp", "remark": "TCP", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "sequence_num": 1, "source": { "range": { "begin": 3000, "end": 10000 } }, "prefix": "200::/64" }, { "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "not_psh": true, "not_urg": true } }, "sequence_num": 2, "source": { "any": true } }] }] }] </pre> | <pre> Commands: [{ "acls": [{ "name": "test-acl-ipv6-tcp", "remark": "TCP", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "sequence_num": 1, "source": { "range": { "begin": 3000, "end": 10000 } }, "prefix": "200::/64" }, { "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "not_psh": true, "not_urg": true } }, "sequence_num": 2, "source": { "any": true } }] }] }] </pre> | <pre> Before: [{ "acls": [{ "name": "ip-acl", "rules": [{ "action": "permit", "destination": { "host": "100.1.2.2" }, "protocol": { "name": "icmp" }, "sequence_num": 1, "source": { "host": "100.1.1.2" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }, { "name": "test-acl-ipv4-udp", "remark": "UDP", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 1, "source": { "any": true, "port_number": { "lt": 1000 } } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "any": true } }] }], "address_family": "ipv4" }] </pre> | <pre> After: [{ "acls": [{ "name": "ip-acl", "rules": [{ "action": "permit", "destination": { "host": "100.1.2.2" }, "protocol": { "name": "icmp" }, "sequence_num": 1, "source": { "host": "100.1.1.2" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }, { "name": "test-acl-ipv4-udp", "remark": "UDP", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 1, "source": { "any": true, "port_number": { "lt": 1000 } } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "any": true } }] }], "address_family": "ipv4" }] </pre> | Error: "No Error" |

| Testcase name | Status | User Input | Commands | Before | After | Module exception |
|----------------|--------|--|---|--|-----------------------------------|--------------------------------|
| | | <pre> }, protocol: { "name": "tcp" }, "sequence_num": 1, "port_number": { "range": { "begin": 3000, "end": 10000 } }, "prefix": "200::/64" }, { "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "not_psh": true, "not_urg": true } }, "sequence_num": 2, "source": { "any": true } }] }, "address_family": "ipv6" } } </pre> | <pre> }, { "name": "test-acl-ipv6", "rules": [{ "action": "permit", "destination": { "any": true }, "dscp": { "csi": true }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "any": true } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 2, "source": { "any": true }, "vlan_id": 100 }] }, "address_family": "ipv6", "state": "merged" } } </pre> | <pre> "sequence_num": 1, "source": { "any": true, "port_number": { "lt": 1000 } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "any": true } }] }, "address_family": "ipv4" } } "acl": { "name": "test-acl-ipv6", "rules": [{ "action": "permit", "destination": { "any": true }, "dscp": { "csi": true }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "any": true } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 2, "source": { "any": true }, "vlan_id": 100 }] }, { "name": "test-acl-ipv6-tcp", "remark": "TCP", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "sequence_num": 1, "source": { "port_number": { "range": { "begin": 3000, "end": 10000 } }, "prefix": "200::/64" } }, { "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "not_psh": true, "not_urg": true } }, "sequence_num": 2, "source": { "any": true } }] } }, "address_family": "ipv6" } } </pre> | | |
| test_case_06.2 | Passed | <pre> Input: [{ "acl": [{ "name": "test-acl-ipv6", "rules": [{ "action": "permit", "destination": { "any": true }, "dscp": { "value": 8 }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "any": true } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 2, "source": { "any": true }, "vlan_id": 100 }] }, { "name": "test-acl-ipv6-tcp", "remark": "TCP", "rules": [</pre> | <pre> Commands: [</pre> | <pre> Before: [{ "acl": [{ "name": "ip-acl", "rules": [{ "action": "permit", "destination": { "host": "100.1.2.2" }, "protocol": { "name": "icmp" }, "sequence_num": 1, "source": { "host": "100.1.1.2" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }, { "name": "test-acl-ipv4-udp", "remark": "UDP", "rules": [{ "action": "permit", "destination": { </pre> | <pre> After: "Not defined" </pre> | <pre> Error: "No Error" </pre> |

| Testcase name | Status | User Input | Commands | Before | After | Module exception |
|----------------|--------|--|--|--|--|-------------------|
| | | <pre> { "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "sequence_num": 1, "source": { "port_number": { "range": { "begin": 3000, "end": 10000 } } }, "prefix": "200::/64" }, { "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "not_psh": true, "not_urg": true } }, "sequence_num": 2, "source": { "any": true } }], "address_family": "ipv6" } </pre> | | <pre> }, "protocol": { "name": "udp" }, "sequence_num": 1, "source": { "any": true, "port_number": { "lt": 1000 } } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "any": true } }] }, "address_family": "ipv4" }, { "acls": [{ "name": "test-acl-ipv6", "rules": [{ "action": "permit", "destination": { "any": true }, "dscp": { "cs1": true }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "any": true } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 2, "source": { "any": true }, "vlan_id": 100 }] }, { "name": "test-acl-ipv6-tcp", "remark": "TCP", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "sequence_num": 1, "source": { "port_number": { "range": { "begin": 3000, "end": 10000 } }, "prefix": "200::/64" } }, { "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "not_psh": true, "not_urg": true } }, "sequence_num": 2, "source": { "any": true } }] }], "address_family": "ipv6" } </pre> | | |
| test_case_07.1 | Passed | <pre> Input: [{ "acls": [{ "name": "ip-acl" }, { "name": "test-acl-ipv4-udp", "rules": [{ "sequence_num": 2 }] }], "address_family": "ipv4" }, { "acls": [{ "name": "test-acl-ipv6-tcp", "remark": "TCP", "rules": [{ "sequence_num": 1 }] }], "address_family": "ipv6" }] </pre> | <pre> Commands: [{ "acls": [{ "name": "ip-acl" }, { "name": "test-acl-ipv4-udp", "rules": [{ "sequence_num": 2 }] }], "address_family": "ipv4", "state": "deleted" }, { "acls": [{ "name": "test-acl-ipv6-tcp", "remark": "TCP", "rules": [{ "sequence_num": 1 }] }], "address_family": "ipv6", "state": "deleted" }] </pre> | <pre> Before: [{ "acls": [{ "name": "ip-acl", "rules": [{ "action": "permit", "destination": { "host": "100.1.2.2" }, "protocol": { "name": "icmp" }, "sequence_num": 1, "source": { "host": "100.1.1.2" } }] }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }], "name": "test-acl-ipv4-udp", "remark": "UDP", "rules": [</pre> | <pre> After: [{ "acls": [{ "name": "test-acl-ipv4-udp", "remark": "UDP", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 1, "source": { "any": true, "port_number": { "lt": 1000 } } }] }, { "name": "test-acl-ipv6", "rules": [{ "action": "permit", "destination": { "any": true } }] }], "address_family": "ipv4" }, { "acls": [{ "name": "test-acl-ipv6", "rules": [</pre> | Error: "No Error" |

| Testcase name | Status | User Input | Commands | Before | After | Module exception |
|----------------|--------|---|--------------|---|---|-------------------|
| | | | | <pre> { "action": "permit", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 1, "source": { "any": true, "port_number": { "lt": 1000 } } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "any": true } }], "address_family": "ipv4" }, { "acls": [{ "name": "test-acl-ipv6", "rules": [{ "action": "permit", "destination": { "any": true }, "dscp": { "csl": true }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "any": true } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 2, "source": { "any": true }, "vlan_id": 100 }] }, { "name": "test-acl-ipv6-tcp", "remark": "TCP", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "sequence_num": 1, "source": { "port_number": { "range": { "begin": 3000, "end": 10000 } }, "prefix": "200::/64" } }, { "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "not_psh": true, "not_urg": true } }, "sequence_num": 2, "source": { "any": true } }] }], "address_family": "ipv6" } </pre> | <pre> "dscp": { "csl": true }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "any": true } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 2, "source": { "any": true }, "vlan_id": 100 }], { "name": "test-acl-ipv6-tcp", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "not_psh": true, "not_urg": true } }, "sequence_num": 2, "source": { "any": true } }] }, "address_family": "ipv6" } </pre> | |
| test_case_07.2 | Passed | <pre> Input: [{ "acls": [{ "name": "ip-acl" }, { "name": "test-acl-ipv4-udp", "rules": [{ "sequence_num": 2 }] }], "address_family": "ipv4" }, { "acls": [{ "name": "test-acl-ipv6-tcp", "remark": "TCP", "rules": [{ "sequence_num": 1 }] }], "address_family": "ipv6" }] </pre> | Commands: [] | <pre> Before: [{ "acls": [{ "name": "test-acl-ipv4-udp", "remark": "UDP", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 1, "source": { "any": true, "port_number": { "lt": 1000 } } }] }], "address_family": "ipv4" }, { "acls": [{ "name": "test-acl-ipv6", "rules": [</pre> | After: "Not defined" | Error: "No Error" |

| Testcase name | Status | User Input | Commands | Before | After | Module exception |
|----------------|--------|--|--|--|---|-------------------|
| | | | | <pre> "action": "permit", "destination": { "any": true }, "dscp": { "csl": true }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "any": true } } { "action": "discard", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 2, "source": { "any": true }, "vlan_id": 100 }] }, { "name": "test-acl-ipv6-tcp", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "not_psh": true, "not_urg": true } }, "sequence_num": 2, "source": { "any": true } }] }, "address_family": "ipv6" }] } </pre> | | |
| test_case_08.1 | Passed | <pre> Input: [{ "acls": [{ "name": "test-acl-ipv4", "rules": [{ "action": "permit", "destination": { "prefix": "100.1.2.0/24" }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "prefix": "100.1.1.0/24" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }], "address_family": "ipv4" }] </pre> | <pre> Commands: [{ "acls": [{ "name": "test-acl-ipv4", "rules": [{ "action": "permit", "destination": { "prefix": "100.1.2.0/24" }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "prefix": "100.1.1.0/24" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }], "address_family": "ipv4", "state": "merged" }] </pre> | <pre> Before: [{ "acls": [{ "name": "test-acl-ipv4-udp", "remark": "UDP", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 1, "source": { "any": true, "port_number": { "lt": 1000 } } }] }, { "address_family": "ipv4" }], "acls": [{ "name": "test-acl-ipv6", "rules": [{ "action": "permit", "destination": { "any": true }, "dscp": { "csl": true }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "any": true } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 2, "source": { "any": true }, "vlan_id": 100 }] }, { "name": "test-acl-ipv6-tcp", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "not_psh": true, "not_urg": true } }, "sequence_num": 2, "source": { "any": true } }] }], "address_family": "ipv6" }] </pre> | <pre> After: [{ "acls": [{ "name": "test-acl-ipv4", "rules": [{ "action": "permit", "destination": { "prefix": "100.1.2.0/24" }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "prefix": "100.1.1.0/24" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }, { "name": "test-acl-ipv4-udp", "remark": "UDP", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 1, "source": { "any": true, "port_number": { "lt": 1000 } } }] }, { "address_family": "ipv4" }], "acls": [{ "name": "test-acl-ipv6", "rules": [{ "action": "permit", "destination": { "any": true }, "dscp": { "csl": true }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "any": true } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 2, "source": { "any": true }, "vlan_id": 100 }] }], "address_family": "ipv6" }] </pre> | Error: "No Error" |

| Testcase name | Status | User Input | Commands | Before | After | Module exception |
|----------------|--------|--|--------------|--|---|-------------------|
| | | | | | <pre>], { "name": "test-acl-ipv6-tcp", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "not_psh": true, "not_urg": true } }, "sequence_num": 2, "source": { "any": true } }] },], "address_family": "ipv6"] } </pre> | |
| test_case_08.2 | Passed | <pre> Input: [{ "acls": [{ "name": "test-acl-ipv4", "rules": [{ "action": "permit", "destination": { "prefix": "100.1.2.0/24" }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "prefix": "100.1.1.0/24" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }], "address_family": "ipv4" }] </pre> | Commands: [] | <pre> Before: [{ "acls": [{ "name": "test-acl-ipv4", "rules": [{ "action": "permit", "destination": { "prefix": "100.1.2.0/24" }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "prefix": "100.1.1.0/24" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }], "address_family": "ipv4" }, { "name": "test-acl-ipv4-udp", "remark": "UDP", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 1, "source": { "any": true, "port_number": { "lt": 1000 } } }] }], "address_family": "ipv4" }, { "acls": [{ "name": "test-acl-ipv6", "rules": [{ "action": "permit", "destination": { "any": true }, "dscp": { "csl": true }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "any": true } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 2, "source": { "any": true } }, { "vlan_id": 100 }] }], { "name": "test-acl-ipv6-tcp", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "not_psh": true, "not_urg": true } }, "sequence_num": 2, "source": { "any": true } }] }], "address_family": "ipv6" </pre> | After: "Not defined" | Error: "No Error" |

| Testcase name | Status | User Input | Commands | Before | After | Module exception |
|----------------|--------|--|---|--|---|-------------------|
| test_case_09.1 | Passed | <pre>Input: [{ "address_family": "ipv6" }]</pre> | <pre>Commands: [{ "acls": [{ "name": "test-acl-ipv6" }, { "name": "test-acl-ipv6-tcp" }], "address_family": "ipv6", "state": "deleted" }]</pre> | <pre>Before: [{ "acls": [{ "name": "test-acl-ipv4", "rules": [{ "action": "permit", "destination": { "prefix": "100.1.2.0/24" }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "prefix": "100.1.1.0/24" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }, { "name": "test-acl-ipv4-udp", "remark": "UDP", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 1, "source": { "any": true, "port_number": { "lt": 1000 } } }] }], "address_family": "ipv4" }, { "acls": [{ "name": "test-acl-ipv6", "rules": [{ "action": "permit", "destination": { "any": true }, "dscp": { "csl": true }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "any": true } }, { "action": "discard", "destination": { "any": true }, "protocol": { "name": "ipv6" }, "sequence_num": 2, "source": { "any": true }, "vlan_id": 100 }] }, { "name": "test-acl-ipv6-tcp", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "tcp" }, "protocol_options": { "tcp": { "not_psh": true, "not_urg": true } }, "sequence_num": 2, "source": { "any": true } }] }], "address_family": "ipv6" }]</pre> | <pre>After: [{ "acls": [{ "name": "test-acl-ipv4", "rules": [{ "action": "permit", "destination": { "prefix": "100.1.2.0/24" }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "prefix": "100.1.1.0/24" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }, { "name": "test-acl-ipv4-udp", "remark": "UDP", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 1, "source": { "any": true, "port_number": { "lt": 1000 } } }] }], "address_family": "ipv4" }]</pre> | Error: "No Error" |
| test_case_09.2 | Passed | <pre>Input: [{ "address_family": "ipv6" }]</pre> | Commands: [] | <pre>Before: [{ "acls": [{ "name": "test-acl-ipv4", "rules": [{ "action": "permit", "destination": { "prefix": "100.1.2.0/24" }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "prefix": "100.1.1.0/24" } }, { "action": "deny", "destination": { "any": true }, "protocol": { </pre> | After: "Not defined" | Error: "No Error" |

| Testcase name | Status | User Input | Commands | Before | After | Module exception |
|----------------|--------|--|--|--|---|-------------------|
| | | | | <pre> "name": "ip" }, "sequence_num": 2, "source": { "any": true } }], }, { "name": "test-acl-ipv4-udp", "remark": "UDP", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 1, "source": { "any": true, "port_number": { "lt": 1000 } } }] }, "address_family": "ipv4" } </pre> | | |
| test_case_10.1 | Passed | <pre> Input: [{ "acls": [{ "name": "acl-IPv6", "rules": [{ "action": "permit", "destination": { "prefix": "100:1:2::/64" }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "prefix": "100:1:1::/64" }, "vlan_id": 10 }, { "action": "deny", "destination": { "port_number": { "gt": 200 }, "prefix": "100:1:2::/64" }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "port_number": { "gt": 200 }, "prefix": "100:1:1::/64" } }] }, { "name": "acl-IPv6-1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "icmpv6" }, "sequence_num": 1, "source": { "any": true } }] }], "address_family": "ipv6" }] </pre> | <pre> Commands: [{ "acls": [{ "name": "acl-IPv6-1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "icmpv6" }, "sequence_num": 1, "source": { "any": true } }] }, { "name": "acl-IPv6", "rules": [{ "action": "permit", "destination": { "prefix": "100:1:2::/64" }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "prefix": "100:1:1::/64" }, "vlan_id": 10 }, { "action": "deny", "destination": { "port_number": { "gt": 200 }, "prefix": "100:1:2::/64" }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "port_number": { "gt": 200 }, "prefix": "100:1:1::/64" } }] }], "address_family": "ipv6", "state": "merged" }] </pre> | <pre> Before: [{ "acls": [{ "name": "test-acl-ipv4", "rules": [{ "action": "permit", "destination": { "prefix": "100.1.2.0/24" }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "prefix": "100.1.1.0/24" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }, { "name": "test-acl-ipv4-udp", "remark": "UDP", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 1, "source": { "any": true, "port_number": { "lt": 1000 } } }] }], "address_family": "ipv4" }] </pre> | <pre> After: [{ "acls": [{ "name": "test-acl-ipv4", "rules": [{ "action": "permit", "destination": { "prefix": "100.1.2.0/24" }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "prefix": "100.1.1.0/24" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }, { "name": "test-acl-ipv4-udp", "remark": "UDP", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 1, "source": { "any": true, "port_number": { "lt": 1000 } } }] }], "address_family": "ipv4" }, { "acls": [{ "name": "acl-IPv6", "rules": [{ "action": "permit", "destination": { "prefix": "100:1:2::/64" }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "prefix": "100:1:1::/64" }, "vlan_id": 10 }, { "action": "deny", "destination": { "port_number": { "gt": 200 }, "prefix": "100:1:2::/64" }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "port_number": { "gt": 200 }, "prefix": "100:1:1::/64" } }] }, { "name": "acl-IPv6-1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "icmpv6" }, "sequence_num": 1, "source": { "any": true } }] }] }] </pre> | Error: "No Error" |

| Testcase name | Status | User Input | Commands | Before | After | Module exception |
|----------------|--------|--|---|--|---|--------------------------------|
| test_case_10.2 | Passed | <pre> Input: [{ "acls": [{ "name": "acl-IPv6", "rules": [{ "action": "permit", "destination": { "prefix": "100:1:2::/64" }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "prefix": "100:1:1::/64" }, "vlan_id": 10 }, { "action": "deny", "destination": { "port_number": { "gt": 200 } }, "prefix": "100:1:2::/64" }, { "name": "udp" }, { "sequence_num": 2, "source": { "port_number": { "gt": 200 } }, "prefix": "100:1:1::/64" }] }], { "name": "acl-IPv6-1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "icmpv6" }, "sequence_num": 1, "source": { "any": true } }] }], "address_family": "ipv6"] </pre> | <pre> Commands: [] </pre> | <pre> Before: [{ "acls": [{ "name": "test-acl-ipv4", "rules": [{ "action": "permit", "destination": { "prefix": "100.1.2.0/24" }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "prefix": "100.1.1.0/24" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }, { "name": "test-acl-ipv4-udp", "remark": "UDP", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 1, "source": { "any": true, "port_number": { "lt": 1000 } } }] }], "address_family": "ipv4" }, { "acls": [{ "name": "acl-IPv6", "rules": [{ "action": "permit", "destination": { "prefix": "100:1:2::/64" }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "prefix": "100:1:1::/64" }, "vlan_id": 10 }, { "action": "deny", "destination": { "port_number": { "gt": 200 } }, "prefix": "100:1:2::/64" }, { "name": "udp" }, { "sequence_num": 2, "source": { "port_number": { "gt": 200 } }, "prefix": "100:1:1::/64" }] }], { "name": "acl-IPv6-1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "icmpv6" }, "sequence_num": 1, "source": { "any": true } }] }] }, "address_family": "ipv6"] </pre> | <pre> After: "Not defined" </pre> | <pre> Error: "No Error" </pre> |
| test_case_11.1 | Passed | <pre> Input: [{ "address_family": "ipv4" }] </pre> | <pre> Commands: [{ "acls": [{ "name": "test-acl-ipv4" }, { "name": "test-acl-ipv4-udp" }], "address_family": "ipv4", "state": "deleted" }] </pre> | <pre> Before: [{ "acls": [{ "name": "test-acl-ipv4", "rules": [{ "action": "permit", "destination": { "prefix": "100.1.2.0/24" }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "prefix": "100.1.1.0/24" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" } }] }] }] </pre> | <pre> After: [{ "acls": [{ "name": "acl-IPv6", "rules": [{ "action": "permit", "destination": { "prefix": "100:1:2::/64" }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "prefix": "100:1:1::/64" }, "vlan_id": 10 }, { "action": "deny", "destination": { "port_number": { "gt": 200 } }, "prefix": "100:1:2::/64" }] }] }] </pre> | <pre> Error: "No Error" </pre> |

| Testcase name | Status | User Input | Commands | Before | After | Module exception |
|----------------|--------|--|---------------------------|--|---|--------------------------------|
| | | | | <pre> "sequence_num": 2, "source": { "any": true } } }, { "name": "test-acl-ipv4-udp", "remark": "UDP", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "udp" }, "sequence_num": 1, "source": { "any": true, "port_number": { "lt": 1000 } } }] }, "address_family": "ipv4" }, { "acls": [{ "name": "acl-IPv6", "rules": [{ "action": "permit", "destination": { "prefix": "100:1:2::/64" }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "prefix": "100:1:1::/64" }, "vlan_id": 10 }, { "action": "deny", "destination": { "port_number": { "gt": 200 }, "prefix": "100:1:2::/64" }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "port_number": { "gt": 200 }, "prefix": "100:1:1::/64" } } }] }, { "name": "acl-IPv6-1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "icmpv6" }, "sequence_num": 1, "source": { "any": true } }] }], "address_family": "ipv6" }] </pre> | <pre> }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "port_number": { "gt": 200 }, "prefix": "100:1:1::/64" } } } }, { "name": "acl-IPv6-1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "icmpv6" }, "sequence_num": 1, "source": { "any": true } }] }], "address_family": "ipv6" }] </pre> | |
| test_case_11.2 | Passed | <pre> Input: [{ "address_family": "ipv4" }] </pre> | <pre> Commands: [] </pre> | <pre> Before: [{ "acls": [{ "name": "acl-IPv6", "rules": [{ "action": "permit", "destination": { "prefix": "100:1:2::/64" }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "prefix": "100:1:1::/64" }, "vlan_id": 10 }, { "action": "deny", "destination": { "port_number": { "gt": 200 }, "prefix": "100:1:2::/64" }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "port_number": { "gt": 200 }, "prefix": "100:1:1::/64" } } }] }, { "name": "acl-IPv6-1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "icmpv6" }, "sequence_num": 1, "source": { "any": true } }] }] }] </pre> | <pre> After: "Not defined" </pre> | <pre> Error: "No Error" </pre> |

| Testcase name | Status | User Input | Commands | Before | After | Module exception |
|----------------|--------|--|--|---|--|-------------------|
| test_case_12.1 | Passed | <pre> Input: [{ "acls": [{ "name": "acl-IPv4", "rules": [{ "action": "permit", "destination": { "host": "101.1.1.2", "port_number": { "eq": 80 } }, "protocol": { "name": "tcp" }, "sequence_num": 1, "source": { "prefix": "100.0.0.0/8" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }, { "name": "acl-IPv4-1", "rules": [{ "action": "permit", "destination": { "any": true }, "dscp": { "afil": true }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "any": true } }] }], "address_family": "ipv4" }] </pre> | <pre> Commands: [{ "acls": [{ "name": "acl-IPv4-1", "rules": [{ "action": "permit", "destination": { "any": true }, "dscp": { "afil": true }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "any": true } }] }, { "name": "acl-IPv4", "rules": [{ "action": "permit", "destination": { "host": "101.1.1.2", "port_number": { "eq": 80 } }, "protocol": { "name": "tcp" }, "sequence_num": 1, "source": { "prefix": "100.0.0.0/8" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }], "address_family": "ipv4", "state": "merged" }] </pre> | <pre> Before: [{ "acls": [{ "name": "acl-IPv6", "rules": [{ "action": "permit", "destination": { "prefix": "100:1:2::/64" }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "prefix": "100:1:1::/64" }, "vlan_id": 10 }, { "action": "deny", "destination": { "port_number": { "gt": 200 }, "prefix": "100:1:2::/64" }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "port_number": { "gt": 200 }, "prefix": "100:1:1::/64" } }] }, { "name": "acl-IPv6-1", "rules": [{ "action": "permit", "destination": { "any": true }, "dscp": { "afil": true }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "any": true } }] }], "address_family": "ipv6" }] </pre> | <pre> After: [{ "acls": [{ "name": "acl-IPv4", "rules": [{ "action": "permit", "destination": { "host": "101.1.1.2", "port_number": { "eq": 80 } }, "protocol": { "name": "tcp" }, "sequence_num": 1, "source": { "prefix": "100.0.0.0/8" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }, { "name": "acl-IPv4-1", "rules": [{ "action": "permit", "destination": { "any": true }, "dscp": { "afil": true }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "any": true } }] }], "address_family": "ipv4" }, { "acls": [{ "name": "acl-IPv6", "rules": [{ "action": "permit", "destination": { "prefix": "100:1:2::/64" }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "prefix": "100:1:1::/64" }, "vlan_id": 10 }, { "action": "deny", "destination": { "port_number": { "gt": 200 }, "prefix": "100:1:2::/64" }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "port_number": { "gt": 200 }, "prefix": "100:1:1::/64" } }] }, { "name": "acl-IPv6-1", "rules": [{ "action": "permit", "destination": { "any": true }, "dscp": { "afil": true }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "any": true } }] }], "address_family": "ipv6" }] </pre> | Error: "No Error" |
| test_case_12.2 | Passed | <pre> Input: [{ "acls": [{ "name": "acl-IPv4", "rules": [{ "action": "permit", "destination": { "host": "101.1.1.2", "port_number": { "eq": 80 } }, "protocol": { "name": "tcp" }, "sequence_num": 1, "source": { "prefix": "100.0.0.0/8" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }] }] </pre> | <pre> Commands: [] </pre> | <pre> Before: [{ "acls": [{ "name": "acl-IPv4", "rules": [{ "action": "permit", "destination": { "host": "101.1.1.2", "port_number": { "eq": 80 } }, "protocol": { "name": "tcp" }, "sequence_num": 1, "source": { "prefix": "100.0.0.0/8" } }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }] }] </pre> | <pre> After: "Not defined" </pre> | Error: "No Error" |

| Testcase name | Status | User Input | Commands | Before | After | Module exception | |
|----------------|--------|--|---|--|-----------|-------------------|--|
| | | <pre> "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } } }, { "name": "acl-IPv4-1", "rules": [{ "action": "permit", "destination": { "any": true }, "dscp": { "af11": true }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "any": true } }] }, "address_family": "ipv4" } } </pre> | | <pre> "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } } }, { "name": "acl-IPv4-1", "rules": [{ "action": "permit", "destination": { "any": true }, "dscp": { "af11": true }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "any": true } }] }, "address_family": "ipv4" }, { "acl": [{ "name": "acl-IPv6", "rules": [{ "action": "deny", "destination": { "port_number": { "gt": 200 }, "prefix": "100:1:2::/64" }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "port_number": { "gt": 200 }, "prefix": "100:1:1::/64" } } }] }, { "name": "acl-IPv6-1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "icmpv6" }, "sequence_num": 1, "source": { "any": true } }] }], "address_family": "ipv6" } } </pre> | | | |
| test_case_13.1 | Passed | Input: [] | <pre> Commands: [{ "acl": [{ "name": "acl-IPv4" }, { "name": "acl-IPv4-1" }], "address_family": "ipv4", "state": "deleted" }, { "acl": [{ "name": "acl-IPv6" }, { "name": "acl-IPv6-1" }], "address_family": "ipv6", "state": "deleted" }] </pre> | <pre> Before: [{ "acl": [{ "name": "acl-IPv4", "rules": [{ "action": "permit", "destination": { "host": "101.1.1.2", "port_number": { "eq": 80 } }, "protocol": { "name": "tcp" }, "sequence_num": 1, "source": { "prefix": "100.0.0.0/8" } }] }, { "action": "deny", "destination": { "any": true }, "protocol": { "name": "ip" }, "sequence_num": 2, "source": { "any": true } }] }, { "name": "acl-IPv4-1", "rules": [{ "action": "permit", "destination": { "any": true }, "dscp": { "af11": true }, "protocol": { "name": "ip" }, "sequence_num": 1, "source": { "any": true } }] }] </pre> | After: [] | Error: "No Error" | |

| Testcase name | Status | User Input | Commands | Before | After | Module exception |
|----------------|--------|------------|--------------|--|----------------------|-------------------|
| test_case_13.2 | Passed | Input: [] | Commands: [] | <pre> } } }, "address_family": "ipv4" }, { "acls": [{ "name": "acl-IPv6", "rules": [{ "action": "permit", "destination": { "prefix": "100:1:2::/64" }, "protocol": { "name": "ipv6" }, "sequence_num": 1, "source": { "prefix": "100:1:1::/64" }, "vlan_id": 10 }, { "action": "deny", "destination": { "port_number": { "gt": 200 }, "prefix": "100:1:2::/64" }, "protocol": { "name": "udp" }, "sequence_num": 2, "source": { "port_number": { "gt": 200 }, "prefix": "100:1:1::/64" } }] }, { "name": "acl-IPv6-1", "rules": [{ "action": "permit", "destination": { "any": true }, "protocol": { "name": "icmpv6" }, "sequence_num": 1, "source": { "any": true } }] }], "address_family": "ipv6" }] </pre> | After: "Not defined" | Error: "No Error" |

Testcase Complete Summary: Total: 26, Passed: 26, Failed: 0