
Netman Documentation

Release

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CHAPTER 1

Currently supported hardware and features

Switch model	Bond management	Interface management	IP management	VLAN management
Brocade XXXX	No	Yes	Yes	Yes
Cisco 2950	No	Yes	Yes	Yes
Cisco 3750	No	Yes	Yes	Yes
Cisco 6500	No	Yes	Yes	Yes
Juniper EX2200	Yes	No	No	Yes
Juniper QFX	Yes	No	No	Yes
Dell	No	Yes	No	Yes

CHAPTER 2

API documentation

GET `/netman/apidocs/` (**path:** *filename*)

GET `/netman/apidocs/`
Shows this documentation

GET `/netman/info`
Informations about the current deployment and state and generates a log entry on the netman.api logger that says: `/info` requested this is a logging test

Status Codes

- 200 OK –

Example output:

```
{
  "status": "running",
  "version": "1.1.111.dev111111111",
  "lock_provider": "netman.adapters.threading_lock_factory.ThreadingLockFactory"
}
```

DELETE `/switches/` (*hostname*) `/interfaces/`
path: `interface_id/trunk-vlans/vlan_number` Removes a vlan from the trunk members of an interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **interface_id** (*str*) – Interface name (ex. FastEthernet0/1, ethernet1/11)
- **vlan_number** (*int*) – Vlan number, between 1 and 4096

DELETE `/switches/` (*hostname*) `/vlans/`
`vlan_number/dhcp-relay-server/ip_network` Remove DHCP relay server (ip helper address)

Parameters

- **hostname** (*str*) – Hostname or IP of the switch

- **vlan_number** (*int*) – Vlan number, between 1 and 4096

PUT **/switches/** (*hostname*) **/vlans/**

vlan_number/access-groups/direction Sets the inbound or outgoing ip access-group on a Vlan

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **vlan_number** (*int*) – Vlan number, between 1 and 4096
- **direction** (*int*) – in or out

Body

spaceless_string

DELETE **/switches/** (*hostname*) **/vlans/**

vlan_number/access-groups/direction Removes the inbound or outgoing ip access-group of a Vlan

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **vlan_number** (*int*) – Vlan number, between 1 and 4096
- **direction** (*int*) – in or out

DELETE **/switches/** (*hostname*) **/vlans/**

vlan_number/vrrp-groups/vrrp_group_id Removes a VRRP group from a VLAN

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **vlan_number** (*int*) – VLAN number, between 1 and 4096
- **vrrp_group_id** (*str*) – VRRP group number, between 1 and 255

DELETE **/switches/** (*hostname*) **/bonds/**

bond_number/trunk-vlans/vlan_number Removes a vlan from the trunk members of a bonded interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **bond_number** (*int*) – Bond number
- **vlan_number** (*int*) – Vlan number, between 1 and 4096

DELETE **/switches/** (*hostname*) **/vlans/**

vlan_number/ips/path: ip_network Removes an IP/Subnet from a vlan

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **vlan_number** (*int*) – Vlan number, between 1 and 4096
- **ip_network** (*str*) – IP/Subnet in the “x.x.x/xx” format

PUT **/switches/** (*hostname*) **/interfaces/**

path: interface_id/trunk-native-vlan Sets the native vlan of an interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **interface_id** (*str*) – Interface name (ex. FastEthernet0/1, ethernet1/11)

Body

```
2999
```

DELETE `/switches/ (hostname) /interfaces/`

path: `interface_id/trunk-native-vlan` Removes the native vlan of an interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **interface_id** (*str*) – Interface name (ex. FastEthernet0/1, ethernet1/11)

PUT `/switches/ (hostname) /interfaces/`

path: `interface_id/auto-negotiation` Sets the auto_negotiation state of an interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **interface_id** (*str*) – Interface name (ex. FastEthernet0/1, ethernet1/11)

Body `true` or `false`

DELETE `/switches/ (hostname) /interfaces/`

path: `interface_id/auto-negotiation` Unsets the auto-negotiation state of an interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **interface_id** (*str*) – Interface name (ex. FastEthernet0/1, ethernet1/11)

PUT `/switches/ (hostname) /interfaces/`

path: `interface_id/spanning-tree` Edit interface spanning tree properties

Parameters

- **edge** (*bool*) – Activates edge mode

Body

```
{
  "edge": true
}
```

PUT `/switches/ (hostname) /interfaces/`

path: `interface_id/access-vlan` Sets the access vlan of an interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **interface_id** (*str*) – Interface name (ex. FastEthernet0/1, ethernet1/11)

Body

```
1000
```

DELETE `/switches/ (hostname) /interfaces/`

path: `interface_id/access-vlan` Removes the access vlan of an interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch

- **interface_id** (*str*) – Interface name (ex. FastEthernet0/1, ethernet1/11)

POST /switches/ (*hostname*) /interfaces/

path: *interface_id*/**trunk-vlans** Adds a vlan to the trunk members of an interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **interface_id** (*str*) – Interface name (ex. FastEthernet0/1, ethernet1/11)

Body

1000

PUT /switches/ (*hostname*) /interfaces/

path: *interface_id*/**bond-master** Add interface to bond

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **interface_id** (*str*) – Interface name (ex. FastEthernet0/1, ethernet1/11)
- **bond_number** (*int*) – Bond number

Body

10

DELETE /switches/ (*hostname*) /interfaces/

path: *interface_id*/**bond-master** Free interface from bond

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **interface_id** (*str*) – Interface name (ex. FastEthernet0/1, ethernet1/11)

PUT /switches/ (*hostname*) /interfaces/

path: *interface_id*/**description** Add a description to the interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **interface_id** (*str*) – Interface name (ex. FastEthernet0/1, ethernet1/11)

Body A long interface description text

DELETE /switches/ (*hostname*) /interfaces/

path: *interface_id*/**description** Remove interface description

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **interface_id** (*str*) – Interface name (ex. FastEthernet0/1, ethernet1/11)

PUT /switches/ (*hostname*) /interfaces/

path: *interface_id*/**port-mode** Sets the port mode of an interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **interface_id** (*str*) – Interface name (ex. FastEthernet0/1, ethernet1/11)

Body trunk or access

PUT `/switches/ (hostname) /interfaces/`

path: `interface_id/shutdown` Sets the shutdown state of an interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **interface_id** (*str*) – Interface name (ex. FastEthernet0/1, ethernet1/11)

Body true or false

DELETE `/switches/ (hostname) /interfaces/`

path: `interface_id/shutdown` Unsets the shutdown state of an interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **interface_id** (*str*) – Interface name (ex. FastEthernet0/1, ethernet1/11)

PUT `/switches/ (hostname) /interfaces/`

path: `interface_id/lldp` Enable or disable the LLDP protocol on the interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **interface_id** (*str*) – Interface name (ex. FastEthernet0/1, ethernet1/11)

Body true or false

PUT `/switches/ (hostname) /interfaces/`

path: `interface_id/mtu` Sets the mtu of an interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **interface_id** (*str*) – Interface name (ex. FastEthernet0/1, ethernet1/11)

Body

5000

DELETE `/switches/ (hostname) /interfaces/`

path: `interface_id/mtu` Unsets the mtu of an interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **interface_id** (*str*) – Interface name (ex. FastEthernet0/1, ethernet1/11)

POST `/switches/ (hostname) /vlans/`

`vlan_number/dhcp-relay-server` Set DHCP relay server (ip helper address)

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **vlan_number** (*int*) – Vlan number, between 1 and 4096

Body IP address of the DHCP server or its relay

PUT `/switches/ (hostname) /bonds/`

`bond_number/trunk-native-vlan` Sets the native vlan of an interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **bond_number** (*int*) – Bond number

Body

2999

DELETE `/switches/ (hostname) /bonds/`
`bond_number/trunk-native-vlan` Removes the native vlan of an interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **bond_number** (*int*) – Bond number

PUT `/switches/ (hostname) /vlans/`
`vlan_number/unicast-rpf-mode` Sets the Unicast RPF state of an interface *only strict is supported*

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **vlan_number** (*int*) – Vlan number, between 1 and 4096

Body STRICT

DELETE `/switches/ (hostname) /vlans/`
`vlan_number/unicast-rpf-mode` Remove Unicast RPF configuration of an interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **vlan_number** (*int*) – Vlan number, between 1 and 4096

PUT `/switches/ (hostname) /vlans/`
`vlan_number/vrf-forwarding` Set VLAN VRF name

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **vlan_number** (*int*) – Vlan number, between 1 and 4096

Body DEFAULT_LAN

DELETE `/switches/ (hostname) /vlans/`
`vlan_number/vrf-forwarding` Remove VLAN VRF name

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **vlan_number** (*int*) – Vlan number, between 1 and 4096

PUT `/switches/ (hostname) /vlans/`
`vlan_number/icmp-redirects` Sets the ICMP redirects state of an interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **vlan_number** (*int*) – Vlan number, between 1 and 4096

Body true or false

PUT `/switches/ (hostname) /bonds/`
`bond_number/`**spanning-tree** Edit bond spanning tree properties

Parameters

- **edge** (*bool*) – Activates edge mode

Body

```
{
  "edge": true
}
```

POST `/switches/ (hostname) /vlans/`
`vlan_number/`**vrrp-groups** Adds a VRRP group to a VLAN

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **vlan_number** (*int*) – VLAN number, between 1 and 4096

Body Highlighted fields are mandatory

```
{
  "id": 2,
  "ips": ["10.10.0.1", "10.10.0.2", "10.10.0.3"],
  "priority": 100,
  "hello_interval": 5,
  "dead_interval": 15,
  "track_decrement": 50,
  "track_id": "101"
}
```

PUT `/switches/ (hostname) /vlans/`
`vlan_number/`**arp-routing** Sets the ARP routing state of an interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **vlan_number** (*int*) – Vlan number, between 1 and 4096

Body true or false

PUT `/switches/ (hostname) /bonds/`
`bond_number/`**access-vlan** Sets the access vlan of a bond

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **bond_number** (*int*) – Bond number

Body

```
1000
```

DELETE `/switches/ (hostname) /bonds/`
`bond_number/`**access-vlan** Removes the access vlan of a bond

Parameters

- **hostname** (*str*) – Hostname or IP of the switch

- **bond_number** (*int*) – Bond number

POST **/switches/** (*hostname*) **/bonds/**
bond_number/**trunk-vlans** Adds a vlan to the trunk members of an interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **bond_number** (*int*) – Bond number

Body

```
1000
```

PUT **/switches/** (*hostname*) **/bonds/**
bond_number/**description** Add a description to the bonded interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **bond_number** (*int*) – Bond number

Body A long interface description text

DELETE **/switches/** (*hostname*) **/bonds/**
bond_number/**description** Remove bonded interface description

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **bond_number** (*int*) – Bond number

GET **/switches/** (*hostname*) **/vlans/**
vlan_number/**interfaces** Displays interfaces use in a VLAN

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **vlan_number** (*int*) – Vlan number, between 1 and 4096

Status Codes

- 200 OK –

Example output:

```
["ethernet 1/4", "FastEthernet0/3", "GigabitEthernet0/8"]
```

PUT **/switches/** (*hostname*) **/bonds/**
bond_number/**link-speed** Change a bond link speed

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **bond_number** (*int*) – Bond number
- **bond_link_speed** (*str*) – Bond link speed

Body

```
1g
```

PUT `/switches/ (hostname) /bonds/`
`bond_number/port-mode` Sets the port mode of a bond

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **bond_number** (*int*) – Bond number

Body `trunk` or `access`

POST `/switches/ (hostname) /vlans/`
`vlan_number/ips` Adds an IP/Subnet to a vlan

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **vlan_number** (*int*) – Vlan number, between 1 and 4096

Body Highlighted fields are mandatory

```
{
  "address": "1.2.3.4",
  "mask": 25
}
```

or

```
1.2.3.4/25
```

PUT `/switches/ (hostname) /bonds/`
`bond_number/mtu` Sets the mtu of a bond

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **bond_number** (*int*) – Bond number

Body

```
5000
```

DELETE `/switches/ (hostname) /bonds/`
`bond_number/mtu` Unsets the mtu of an interface

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **bond_number** (*int*) – Bond number

PUT `/switches/ (hostname) /interfaces/`
path: `interface_id` Reset the interface to it's default settings

Adding parameter to the interface is not yet supported. This requests only defaults the switch.

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **interface_id** (*str*) – Interface name (ex. FastEthernet0/1, ethernet1/11)

GET `/switches/ (hostname) /interfaces/`
path: `interface_id` Displays informations about a physical interfaces

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **interface_id** (*str*) – name of the interface

Status Codes

- 200 OK –

Example output:

```
{
  "name": "ethernet 1/4",
  "shutdown": false,
  "bond_master": null,
  "port_mode": "trunk",
  "access_vlan": null,
  "trunk_native_vlan": 2999,
  "trunk_vlans": [3000, 3001, 3002],
  "auto_negotiation": null,
  "mtu": 1500
}
```

GET /switches/ (hostname) /vlans/
vlan_number Displays informations about one VLAN

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **vlan_number** (*int*) – Vlan number, between 1 and 4096

Status Codes

- 200 OK –

Example output:

```
{
  "number": 1,
  "name": "One",
  "ips": [
    { "address": "1.1.1.1", "mask": 24 }
  ],
  "vrf_forwarding": "MY_VRF",
  "access_groups": {
    "in": "Blah_blah",
    "out": null
  },
  "vrrp_groups": [
    {
      "id": 1,
      "ips": ["1.1.1.2"],
      "priority": 90,
      "hello_interval": 5,
      "dead_interval": 15,
      "track_id": "101",
      "track_decrement": 50
    }
  ],
  "dhcp_relay_servers": [],
}
```



```

    "arp_routing": true,
    "icmp_redirects": false,
    "unicast_rpf_mode": null
  }

```

DELETE `/switches/ (hostname) /vlangs/`

vlang_number Deletes a VLAN

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **vlang_number** (*int*) – Vlang number, between 1 and 4096

GET `/switches/ (hostname) /bonds/`

bond_number Displays informations about a bond

Parameters

- **hostname** (*str*) – Hostname or IP of the switch

Status Codes

- 200 OK –

Example output:

```

{
  "number": 3,
  "link_speed": "1g",
  "members": [],
  "shutdown": true,
  "port_mode": "access",
  "access_vlan": 1999,
  "trunk_native_vlan": null,
  "trunk_vlans": [],
  "mtu": 1500
}

```

DELETE `/switches/ (hostname) /bonds/`

bond_number Deletes a bond

Parameters

- **hostname** (*str*) – Hostname or IP of the switch
- **bond_number** (*int*) – Bond number

POST `/switches-sessions/ (session_id) /actions`

Commit or rollback a session on a switch

Parameters

- **session** (*str*) – ID of the session

Body commit or rollback

PUT `/switches-sessions/ (session_id) /`

path: *resource*

POST `/switches-sessions/ (session_id) /`

path: *resource*

DELETE /switches-sessions/ (*session_id*) /
path: resource

GET /switches-sessions/ (*session_id*) /
path: resource

GET /switches/ (*hostname*) /interfaces
Displays informations about all physical interfaces

Parameters

- **hostname** (*str*) – Hostname or IP of the switch

Status Codes

- 200 OK –

Example output:

```
[
  {
    "name": "ethernet 1/4",
    "shutdown": false,
    "bond_master": null,
    "port_mode": "trunk",
    "access_vlan": null,
    "trunk_native_vlan": 2999,
    "trunk_vlans": [3000, 3001, 3002],
    "auto_negotiation": null,
    "mtu": 1500
  },
  {
    "name": "FastEthernet0/3",
    "shutdown": true,
    "bond_master": null,
    "port_mode": "access",
    "access_vlan": 1999,
    "trunk_native_vlan": null,
    "trunk_vlans": [],
    "auto_negotiation": null,
    "mtu": null
  },
  {
    "name": "GigabitEthernet0/6",
    "shutdown": false,
    "bond_master": null,
    "port_mode": "dynamic",
    "access_vlan": 1999,
    "trunk_native_vlan": 2999,
    "trunk_vlans": [3000, 3001, 3002],
    "auto_negotiation": true,
    "mtu": null
  },
  {
    "name": "GigabitEthernet0/8",
    "shutdown": false,
    "bond_master": 12,
    "port_mode": "bond_member",
    "access_vlan": null,
    "trunk_native_vlan": null,
    "trunk_vlans": [],
```

```

    "auto_negotiation": false,
    "mtu": null
  }
]

```

GET /switches/ (hostname) /versions

Displays various hardware and software versions about the switch

Parameters

- **hostname** (*str*) – Hostname or IP of the switch

Status Codes

- 200 OK –

Example output:

```

{
  "v": "1.0",
  "units": {
    "1": {
      "v": "1.0"
    }
  }
}

```

GET /switches/ (hostname) /vlangs

Displays informations about all VLANs

Parameters

- **hostname** (*str*) – Hostname or IP of the switch

Status Codes

- 200 OK –

Example output:

```

[
  {
    "number": 1,
    "name": "One",
    "ips": [
      { "address": "1.1.1.1", "mask": 24 }
    ],
    "vrf_forwarding": "MY_VRF",
    "access_groups": {
      "in": "Blah_blah",
      "out": null
    },
    "vrrp_groups": [
      {
        "id": 1,
        "ips": ["1.1.1.2"],
        "priority": 90,
        "hello_interval": 5,
        "dead_interval": 15,
        "track_id": "101",
        "track_decrement": 50
      }
    ]
  }
]

```

```

    },
    "dhcp_relay_servers": [],
    "arp_routing": null,
    "icmp_redirects": false,
    "unicast_rpf_mode": null
  },
  {
    "number": 2,
    "name": "",
    "ips": [
      {"address": "2.2.2.2", "mask": 24},
      {"address": "3.3.3.3", "mask": 24}
    ],
    "vrf_forwarding": null,
    "access_groups": {
      "in": null,
      "out": null
    },
    "vrrp_groups": [
      {
        "id": 1,
        "ips": ["2.2.2.2"],
        "priority": 100,
        "hello_interval": null,
        "dead_interval": null,
        "track_id": null,
        "track_decrement": null
      },
      {
        "id": 2,
        "ips": ["3.3.3.1"],
        "priority": 100,
        "hello_interval": null,
        "dead_interval": null,
        "track_id": null,
        "track_decrement": null
      }
    ],
    "dhcp_relay_servers": ["10.10.10.1"],
    "arp_routing": true,
    "icmp_redirects": true,
    "unicast_rpf_mode": "STRICT"
  }
]

```

POST /switches/ (hostname) /vlans

Create an new VLAN

Parameters

- **hostname** (*str*) – Hostname or IP of the switch

Body Highlighted fields are mandatory

```

{
  "number": 2000,
  "name": "two_thousands"
}

```

GET /switches/ (hostname) /bonds

Displays informations about all bonds

Parameters

- **hostname** (*str*) – Hostname or IP of the switch

Status Codes

- 200 OK –

Example output:

```
[
  {
    "number": 3,
    "link_speed": "1g",
    "members": [],
    "shutdown": true,
    "port_mode": "access",
    "access_vlan": 1999,
    "trunk_native_vlan": null,
    "trunk_vlans": [],
    "mtu": 1500
  },
  {
    "number": 4,
    "link_speed": null,
    "members": [
      "ge-0/0/1",
      "ge-1/0/1"
    ],
    "shutdown": false,
    "port_mode": "trunk",
    "access_vlan": null,
    "trunk_native_vlan": 2999,
    "trunk_vlans": [
      3000,
      3001,
      3002
    ],
    "mtu": null
  },
  {
    "number": 6,
    "link_speed": "10g",
    "members": [],
    "shutdown": false,
    "port_mode": "dynamic",
    "access_vlan": 1999,
    "trunk_native_vlan": 2999,
    "trunk_vlans": [
      3000,
      3001,
      3002
    ],
    "mtu": null
  }
]
```

POST /switches/ (*hostname*) /bonds

Create an new bond

Parameters

- **hostname** (*str*) – Hostname or IP of the switch

Body Highlighted fields are mandatory

```
{  
  "number": 55  
}
```

POST /switches-sessions/ (*session_id*)

Open a locked session on a switch

Parameters

- **hostname** (*str*) – Hostname or IP of the switch

Body

```
{  
  "hostname": "my.switch"  
}
```

Status Codes

- 201 CREATED –

Example output:

```
{  
  "session_id": "patate"  
}
```

DELETE /switches-sessions/ (*session_id*)

Close a session on a switch

Parameters

- **session** (*str*) – ID of the session

CHAPTER 3

Indices and tables

- `genindex`
- `modindex`
- `search`

HTTP Routing Table

/netman

GET /netman/apidocs/, 3	PUT /switches/(hostname)/bonds/(bond_number)/spanning-tree, 10
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GET /netman/info, 3	PUT /switches/(hostname)/bonds/(bond_number)/trunk-vlans, 7

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	PUT /switches/(hostname)/interfaces/(path:interface_id), 11
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GET /switches/(hostname)/interfaces, 14	PUT /switches/(hostname)/interfaces/(path:interface_id), 5
GET /switches/(hostname)/interfaces/(path:interface_id), 11	PUT /switches/(hostname)/interfaces/(path:interface_id), 6
GET /switches/(hostname)/versions, 15	PUT /switches/(hostname)/interfaces/(path:interface_id), 6
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GET /switches/(hostname)/vlans/(vlan_number), 12	PUT /switches/(hostname)/interfaces/(path:interface_id), 7
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POST /switches/(hostname)/bonds, 17	PUT /switches/(hostname)/interfaces/(path:interface_id), 6
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POST /switches/(hostname)/interfaces/(path:interface_id)/trunk-vlans, 6	PUT /switches/(hostname)/interfaces/(path:interface_id), 5
POST /switches/(hostname)/vlans, 16	PUT /switches/(hostname)/interfaces/(path:interface_id), 4
POST /switches/(hostname)/vlans/(vlan_number)/dhcp-relay-server, 7	PUT /switches/(hostname)/interfaces/(path:interface_id), 4
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POST /switches/(hostname)/vlans/(vlan_number)/vrrp-groups, 9	PUT /switches/(hostname)/vlans/(vlan_number)/arp-table, 8
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PUT /switches/(hostname)/bonds/(bond_number)/description, 10	PUT /switches/(hostname)/vlans/(vlan_number)/unicast-flood, 8
PUT /switches/(hostname)/bonds/(bond_number)/link-speed, 10	PUT /switches/(hostname)/vlans/(vlan_number)/vrf-forwarding, 8
PUT /switches/(hostname)/bonds/(bond_number)/mtu, 11	DELETE /switches/(hostname)/bonds/(bond_number), 13
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10
DELETE /switches/(hostname)/bonds/(bond_number)/mtu,
11
DELETE /switches/(hostname)/bonds/(bond_number)/trunk-native-vlan,
8
DELETE /switches/(hostname)/bonds/(bond_number)/trunk-vlans/(vlan_number),
4
DELETE /switches/(hostname)/interfaces/(path:interface_id)/access-vlan,
5
DELETE /switches/(hostname)/interfaces/(path:interface_id)/auto-negotiation,
5
DELETE /switches/(hostname)/interfaces/(path:interface_id)/bond-master,
6
DELETE /switches/(hostname)/interfaces/(path:interface_id)/description,
6
DELETE /switches/(hostname)/interfaces/(path:interface_id)/mtu,
7
DELETE /switches/(hostname)/interfaces/(path:interface_id)/shutdown,
7
DELETE /switches/(hostname)/interfaces/(path:interface_id)/trunk-native-vlan,
5
DELETE /switches/(hostname)/interfaces/(path:interface_id)/trunk-vlans/(vlan_number),
3
DELETE /switches/(hostname)/vlans/(vlan_number),
13
DELETE /switches/(hostname)/vlans/(vlan_number)/access-groups/(direction),
4
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3
DELETE /switches/(hostname)/vlans/(vlan_number)/ips/(path:ip_network),
4
DELETE /switches/(hostname)/vlans/(vlan_number)/unicast-rpf-mode,
8
DELETE /switches/(hostname)/vlans/(vlan_number)/vrf-forwarding,
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POST /switches-sessions/(session_id)/(path:resource),
13
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13
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