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# Netman Documentation

*Release*

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## Contents

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|          |  |           |
|----------|--|-----------|
| <b>1</b> | <b>Currently supported hardware and features</b> | <b>1</b>  |
| <b>2</b> | <b>API documentation</b>                         | <b>3</b>  |
| <b>3</b> | <b>Indices and tables</b>                        | <b>21</b> |
|          | <b>HTTP Routing Table</b>                        | <b>23</b> |



# CHAPTER 1

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## Currently supported hardware and features

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| 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             |
| Arista 7280R   | No              | No                   | Yes           | Yes             |



## CHAPTER 2

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### API documentation

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**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"
}
```

**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
}
```

**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

**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)

**DELETE** /switches/ (hostname) /vlangs/

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

**POST** /switches/ (hostname) /vlangs/

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) /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

**PUT** `/switches/ (hostname) /vlans/`  
`vlan_number/load-interval` Sets the load interval of a vlan

**Parameters**

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

**Body**

30

**DELETE** `/switches/ (hostname) /vlans/`  
`vlan_number/load-interval` Unsets the load interval of a vlan

**Parameters**

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

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

**Parameters**

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

**Body**

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

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

**POST** `/switches/ (hostname) /vlangs/`  
`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) /vlangs/`  
`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`

**DELETE** **/switches/** (*hostname*) **/vlans/**  
*vlan\_number*/**varp-ips/path:** *ip\_network* Removes a VARP ip 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.x/xx” format

**POST** **/switches/** (*hostname*) **/vlans/**  
*vlan\_number*/**varp-ips** Adds a VARP IP Network 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*) **/vlans/**  
*vlan\_number*/**mpls-ip** Sets the mpls ip state of a vlan

#### Parameters

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

**Body** `true` or `false`

**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.x/xx” format

**POST** `/switches/ (hostname) /vlangs/`  
`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) /vlangs/`  
`vlan_number/ntp` Enable or disable the ntp 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/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

**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/ (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) /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) /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,
  "ntp": null,
  "varp_ips": [],
  "load_interval": null,
  "mpls_ip": true
}
```

**DELETE** /switches/ (*hostname*) /vlangs/

*vlan\_number* Deletes a VLAN

**Parameters**

- **hostname** (*str*) – Hostname or IP of the switch
- **vlan\_number** (*int*) – Vlan 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

**GET /switches/ (hostname) /vlans**  
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,
    "ntp": false,
    "varp_ips": [
        {"address": "3.3.3.3", "mask": 24}
    ],
    "load_interval": null,
    "mpls_ip": true
},
{
    "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",
    "ntp": null,
    "varp_ips": [
        {"address": "4.4.4.4", "mask": 24},
        {"address": "5.5.5.5", "mask": 24}
    ],
    "load_interval": null,
    "mpls_ip": true
}
]

```

**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
}
```

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

**path:** *resource*

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

**path:** *resource*

**GET** `/switches-sessions/ (session_id) /`

**path:** *resource*

**DELETE** `/switches-sessions/ (session_id) /`

**path:** *resource*

**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

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### Indices and tables

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



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## HTTP Routing Table

---

### /netman

|  |   |
|--|---|
|  | 12  |
| GET /netman/apidocs/, 3                | PUT /switches/(hostname)/bonds/(bond_number)/port-  |
| GET /netman/apidocs/(path:filename), 3 | 11  |
| GET /netman/info, 3                    | PUT /switches/(hostname)/bonds/(bond_number)/spann- |

### /switches

|   |  |
|---|--|
|   | 8  |
|   | PUT /switches/(hostname)/bonds/(bond_number)/trunk-  |
|   | 7  |
| GET /switches/(hostname)/bonds, 18                                      | PUT /switches/(hostname)/interfaces/(path:interface- |
| GET /switches/(hostname)/bonds/(bond_number), 15                        | 13   |
| GET /switches/(hostname)/interfaces, 13                                 | PUT /switches/(hostname)/interfaces/(path:interface- |
| GET /switches/(hostname)/interfaces/(path:interface_id), 13             | 4  |
|   | PUT /switches/(hostname)/interfaces/(path:interface- |
| GET /switches/(hostname)/versions, 14                                   | 4  |
| GET /switches/(hostname)/vlans, 16                                      | PUT /switches/(hostname)/interfaces/(path:interface- |
| GET /switches/(hostname)/vlans/(vlan_number), 14                        | 5  |
|   | PUT /switches/(hostname)/interfaces/(path:interface- |
| GET /switches/(hostname)/vlans/(vlan_number)/interfaces, 10             | 5  |
|   | PUT /switches/(hostname)/interfaces/(path:interface- |
| POST /switches/(hostname)/bonds, 19                                     | 6  |
| POST /switches/(hostname)/bonds/(bond_number)/trunk-vlans, 10           | 6  |
|   | PUT /switches/(hostname)/interfaces/(path:interface- |
| POST /switches/(hostname)/interfaces/(path:interface_id)/trunk-vlans, 5 | 5  |
|   | PUT /switches/(hostname)/interfaces/(path:interface- |
| POST /switches/(hostname)/vlans, 17                                     | 6  |
| POST /switches/(hostname)/vlans/(vlan_number)/dhcp-relay-server, 6      | PUT /switches/(hostname)/interfaces/(path:interface- |
|   | PUT /switches/(hostname)/interfaces/(path:interface- |
| POST /switches/(hostname)/vlans/(vlan_number)/ips, 12                   | 4  |
|   | PUT /switches/(hostname)/interfaces/(path:interface- |
| POST /switches/(hostname)/vlans/(vlan_number)/vrrp-ips, 11              | 3  |
|   | PUT /switches/(hostname)/vlans/(vlan_number)/access- |
| POST /switches/(hostname)/vlans/(vlan_number)/vrrp-groups, 9            | 8  |
|   | PUT /switches/(hostname)/vlans/(vlan_number)/arp-r-  |
| PUT /switches/(hostname)/bonds/(bond_number)/access-vlan, 9             | 9  |
|   | PUT /switches/(hostname)/vlans/(vlan_number)/icmp-r- |
| PUT /switches/(hostname)/bonds/(bond_number)/description, 10            | 7  |
|   | PUT /switches/(hostname)/vlans/(vlan_number)/load-   |
| PUT /switches/(hostname)/bonds/(bond_number)/link-speed, 10             | 8  |
|   | PUT /switches/(hostname)/vlans/(vlan_number)/mpls-   |
| PUT /switches/(hostname)/bonds/(bond_number)/mtu, 11                    | 11   |
|   | PUT /switches/(hostname)/vlans/(vlan_number)/ntp,    |

```

12                                19
PUT /switches/(hostname)/vlans/(vlan_number)/switches-sessions/(session_id),
7                                19
PUT /switches/(hostname)/vlans/(vlan_number)/vrf-forwarding/(session_id)/(path:resource),
7                                19
DELETE /switches/(hostname)/bonds/(bond_number)/switches-sessions/(session_id)/actions,
16                                12
DELETE /switches/(hostname)/bonds/(bond_number)/switches-sessions/(session_id)/(path:resource),
10                                19
DELETE /switches/(hostname)/bonds/(bond_number)/description/(session_id),
10                                19
DELETE /switches/(hostname)/bonds/(bond_number)/switches-sessions/(session_id)/(path:resource),
12                                19
DELETE /switches/(hostname)/bonds/(bond_number)/trunk-native-vlan,
7
DELETE /switches/(hostname)/bonds/(bond_number)/trunk-vlans/(vlan_number),
9
DELETE /switches/(hostname)/interfaces/(path:interface_id)/access-vlan,
4
DELETE /switches/(hostname)/interfaces/(path:interface_id)/auto-negotiation,
4
DELETE /switches/(hostname)/interfaces/(path:interface_id)/bond-master,
5
DELETE /switches/(hostname)/interfaces/(path:interface_id)/description,
5
DELETE /switches/(hostname)/interfaces/(path:interface_id)/mtu,
6
DELETE /switches/(hostname)/interfaces/(path:interface_id)/shutdown,
6
DELETE /switches/(hostname)/interfaces/(path:interface_id)/trunk-native-vlan,
3
DELETE /switches/(hostname)/interfaces/(path:interface_id)/trunk-vlans/(vlan_number),
4
DELETE /switches/(hostname)/vlans/(vlan_number),
15
DELETE /switches/(hostname)/vlans/(vlan_number)/access-groups/(direction),
8
DELETE /switches/(hostname)/vlans/(vlan_number)/dhcp-relay-server/(ip_network),
6
DELETE /switches/(hostname)/vlans/(vlan_number)/ips/(path:ip_network),
11
DELETE /switches/(hostname)/vlans/(vlan_number)/load-interval,
8
DELETE /switches/(hostname)/vlans/(vlan_number)/unicast-rpf-mode,
7
DELETE /switches/(hostname)/vlans/(vlan_number)/varp-ips/(path:ip_network),
11
DELETE /switches/(hostname)/vlans/(vlan_number)/vrf-forwarding,
7
DELETE /switches/(hostname)/vlans/(vlan_number)/vrrp-groups/(vrrp_group_id),
9

```

## /switches-sessions

```
GET /switches-sessions/(session_id)/(path:resource),
```