DOT1x APIs

Table 1: DOT1x APIs

Action	Method	Payload Required	API
To view the dot1x summary	GET	No	/api/operational/switch/dot1x/summary
To view the dot1x configuration	GET	No	/api/config/switch/dot1x

Example: GET DOT1x APIs

```
curl -k -u admin:admin -X GET https://209.165.201.1/api/operational/switch/dot1x/summary
```

Example: GET DOT1x APIs

```
curl -k -u admin:admin -X GET https://209.165.201.1/api/config/switch/dot1x
```


- DOT1x guest-vlan Timeout Value APIs, on page 1
- DOT1x Default authentication APIs, on page 3
- DOT1x System Authentication Control APIs, on page 3
- RADIUS Source Interface Address APIs, on page 4

DOT1x guest-vlan Timeout Value APIs

Table 2: DOT1x guest-vlan Timeout Value APIs

Action	Method	Payload Required	API
To enable unauthorized users on the access interface to the guest VLAN	POST	Yes	/api/config/switch/dot1x/guest-vlan

Action	Method	Payload Required	API
To set the time delay between enabling Dot1X and adding a port to the guest VLAN	PUT	Yes	/api/config/switch/dot1x/guest-vlan/timeout
To restore the default configuration	DELETE	No	/api/config/switch/dot1x/guest-vlan/timeout
To get the VLAN timeout value	GET	No	/api/config/switch/dot1x/guest-vlan/timeout

Example for DOT1x guest-vlan Timeout Value APIs Payload

```
<timeout>30</timeout>
```

Table 3: Description for DOT1x guest-vlan Timeout Value APIs Payload

Property	Type	Description	Mandatory/Default Value
timeout	integer	Specifies the time delay in seconds between enabling dot1X and adding the port to the guest VLAN. (Range: 30–180)	Yes

Example: POST DOT1x guest-vlan Timeout Value APIs

```
curl -k -u admin:admin -d "<timeout>30</timeout>" -X POST
https://209.165.201.1/api/config/switch/dot1x/guest-vlan -H "Content-Type:
application/vnd.yang.data+xml"
```

Example: PUT DOT1x guest-vlan Timeout Value APIs

```
curl -k -u admin:admin -d "<timeout>40</timeout>" -X PUT
https://209.165.201.1/api/config/switch/dot1x/guest-vlan/timeout -H "Content-Type:
application/vnd.yang.data+xml"
```

Example: DELETE DOT1x guest-vlan Timeout Value APIs

```
curl -k -u admin:admin -X DELETE
https://209.165.201.1/api/config/switch/dot1x/guest-vlan/timeout
```

Example: GET DOT1x guest-vlan Timeout Value APIs

```
curl -k -u admin:admin -X GET https://209.165.201.1/api/config/switch/dot1x/guest-vlan/timeout
```

DOT1x Default authentication APIs

Table 4: DOT1x Default authentication APIs

Action	Method	Payload Required	API
To enable authentication methods on a port	POST	Yes	/api/config/switch/dot1x/authentication
To restore the default configuration	GET	No	/api/config/switch/dot1x/authentication/default
To delete the authentication configuration	DELETE	No	/api/config/switch/dot1x/authentication

Example for DOT1x Default authentication APIs Payload

```
<default>radius</default>
```

Example: POST DOT1x Default authentication APIs

```
curl -k -u admin:admin -d "<default>radius</default>" -X POST
https://209.165.201.1/api/config/switch/dot1x/authentication -H "Content-Type:
application/vnd.yang.data+xml"
```

Example: GET DOT1x Default authentication APIs

```
curl -k -u admin:admin -X GET
https://209.165.201.1/api/config/switch/dot1x/authentication/default
```

Example: DELETE DOT1x Default authentication APIs

```
curl -k -u admin:admin -X DELETE https://209.165.201.1/api/config/switch/dot1x/authentication
```

DOT1x System Authentication Control APIs

Table 5: DOT1x System Authentication Control APIs

Action	Method	Payload Required	API
To enable dot1x globally	POST	Yes	/api/config/switch/dot1x
To get the configuration for system authentication control	GET	No	/api/config/switch/dot1x/system-auth-control
To restore default configuration	DELETE	No	/api/config/switch/dot1x/system-auth-control

Example for DOT1x System Authentication Control APIs Payload

```
<system-auth-control></system-auth-control>
```

Example: POST DOT1x System Authentication Control APIs

```
curl -k -u admin:admin -d "<system-auth-control></system-auth-control>" -X POST
https://209.165.201.1/api/config/switch/dot1x -H "Content-Type: application/vnd.yang.data+xml
```

Example: GET DOT1x System Authentication Control APIs

```
curl -k -u admin:admin -X GET
https://209.165.201.1/api/config/switch/dot1x/system-auth-control
```

Example: DELETE DOT1x System Authentication Control APIs

```
curl -k -u admin:admin -X DELETE
https://209.165.201.1/api/config/switch/dot1x/system-auth-control
```

RADIUS Source Interface Address APIs

Table 6: RADIUS Source Interface Address APIs

Action	Method	Payload Required	API
To enable RADIUS-based VLAN assignment	POST	Yes	/api/config/switch/ip/radius/source-interface
To get the RADIUS-based VLAN configurations	GET	No	/api/config/switch/ip/radius/source-interface/vlan
To replace RADIUS-based VLAN	PUT	Yes	/api/config/switch/ip/radius/source-interface/vlan
To disable RADIUS-based VLAN assignment	DELETE	No	/api/config/switch/ip/radius/source-interface/vlan

Example for RADIUS Source Interface Address APIs Payload

```
<vlan>505</vlan>
```

Example: POST RADIUS Source Interface Address APIs

```
curl -k -u admin:admin -d "<vlan>505</vlan>" -X POST
https://209.165.201.1/api/config/switch/ip/radius/source-interface -H "Content-Type:
application/vnd.yang.data+xml"
```

Example: GET RADIUS Source Interface Address APIs

```
curl -k -u admin:admin -X GET
https://209.165.201.1/api/config/switch/ip/radius/source-interface/vlan
```

Example: PUT RADIUS Source Interface Address APIs

```
curl -k -u admin:admin -d "<vlan>506</vlan>" -X PUT
https://209.165.201.1/api/config/switch/ip/radius/source-interface/vlan -H "Content-Type:
application/vnd.yang.data+xml"
```

Example: DELETE RADIUS Source Interface Address APIs

```
curl -k -u admin:admin -X DELETE
https://209.165.201.1/api/config/switch/ip/radius/source-interface/vlan
```