

The RPC-API may be configured to use two options:

- JSON over HTTP
- JSON over HTTPS

The RPC-API service is disabled by default. If enabled, the default port number is 80. If it is desired to configure the RPC-API as JSON over HTTP, then the RPC-API port number must be configured to a different port number other than 80 so as not to conflict with HTTP. If it is desired to configure the RPC-API as JSON over HTTPS, then the RPC-API default port number 80 is acceptable due to the HTTPS port number 443. However, the RPC-API port number may be modified in this case as well. The HTTP and HTTPS services may not be enabled simultaneously.

Connect to the Advanced Features

Connect to the Advanced Features unit. A connection to the unit may be established using two options:

Directly connected to the Console Interface to COM Port using Putty/Serial connection.

Connected via the IP Management Interface using Putty/SSH connection.

1. Display the Default Services

The default services configuration are displayed via the console interface. Use the following procedure to display the default services configuration.

1. Press the Return key.
2. Enter enable.
3. Enter the following command to display the default services configuration.

```
Switch# show services
```

```
Networking services configuration:
```

Service Name	Status	Port	Protocol	Service ACL
http	enable	80	TCP	-
https	disable	443	TCP	-
rpc-api	disable	-	TCP	-
telnet	disable	23	TCP	-
ssh	enable	22	TCP	-
snmp	disable	161	UDP	-

2. Configure RPC-API over HTTP

The HTTP service is enabled by default and is configured to use port 80.

This procedure requires:

- Enable the RPC-API service

In this example the RPC-API port number will be configured to use port 2000.

1. Press the Return key.
2. Enter enable.
3. Enter the following commands to enable the RPC-API service and display the services.

```
Switch# configure terminal
Switch(config)# service rpc-api enable port 2000
Switch(config)# exit
Switch# show services
Networking services configuration:
Service Name      Status      Port      Protocol  Service ACL
-----+-----+-----+-----+-----
http              enable      80        TCP       -
https            disable     443       TCP       -
rpc-api          enable      2000      TCP       -
telnet           disable     23        TCP       -
ssh              enable      22        TCP       -
snmp             disable     161       UDP       -
```

3. Configure RPC-API over HTTPS

The HTTPS service is disabled by default and is configured to use port 443.

This procedure requires:

- Disable the HTTP service
- Enable the HTTPS service
- Enable the RPC-API service

In this example the RPC-API port number will be configured to use port 2000.

1. Press the Return key.
2. Enter enable.

3. Enter the following commands to disable the HTTP service, enable the HTTPS service, enable the RPC-API service and display the services.

```
Switch# configure terminal
Switch(config)# service http disable
Switch(config)# service https enable
Switch(config)# service rpc-api enable port 2000
Switch(config)# exit
Switch# show services
```

Networking services configuration:

Service Name	Status	Port	Protocol	Service ACL
http	disable	80	TCP	-
https	enable	443	TCP	-
rpc-api	enable	2000	TCP	-
telnet	disable	23	TCP	-
ssh	enable	22	TCP	-
snmp	disable	161	UDP	-