Configuring TSN

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On the IE 4000, there is very little configuration required on the CLI. The Time sensitive flows are configured by the CNC. The IOS CLI configuration is to enable configuration with the CNC. Here are the few commands.

Step 1 After the switch is up with the new image, you need to activate the license for TSN. Follow the procedure below.

Example:

```
enable

configure terminal
        service internal
        exit
        license right-to-use activate tsn
        write
reload
```

Step 2 Once the switch is up it will be TSN enabled and you should be able to use TSN functionality on it. To cross check in the enable mode issue following command:

Example:

```
sh tsn ?

 Switch#sh tsn ?
          be_stats       BE traffic statistics
          cnc            Current CNC server connection status
          flow           TSN flows
          fpga           FPGA file information
          license-on-SD  Information for tsn license in sdflash
          schedule       schedule
          shadow         Current shadow information
        Switch#
```

Step 3 enable secret admin

Example:

```
TSN_Switch# configure term
TSN_Switch(config)# enable secret admin
```

CNC uses telnet to login into the IE4000 during discovery

Note   Configure the enable password to 'admin' for the CNC. This can be changed, but for ease of use, use 'admin' for now.

Step 4   ptp profile dot1as

Example:

```
TSN_Switch# configure term
TSN_Switch(config)# ptp profile dot1as
```

IE4000 configured for PTP profile 802.1AS

Step 5   tsn cnc-server *ip address*

Example:

```
TSN_Switch# configure term
TSN_Switch(config)#tsn cnc-server <ip address>
```

IP Address of CNC server configured.

Step 6   line vty 0 15

Example:

```
TSN_Switch# configure term
TSN_Switch(config)#line vty 0 15
TSN_Switch(config-line)# password admin
TSN_Switch(config-line)# login
```

CNC logged in via telnet with pasword "admin."

Note   You can change the pasword in the CNC later, but for now, use the default, "admin."