

# Configuring the IBM Flex System Fabric CN4093 10Gb Converged Scalable Switch

## Prerequisites:

Make sure that a IBM Flex System Fabric CN4093 10Gb Converged Scalable Switch is installed in I/O module bay 1 or 2 of a Flex System Enterprise chassis and that the chassis is configured. Complete the following quick start guides:

- *Installing the IBM Flex System Enterprise Chassis*
- *Initial setup of chassis I/O modules (switches)*

## Steps:

**Note:** This process illustrates how to enable the switch ports through the Chassis Management Module (CMM) command-line interface. For information about using the CMM interface, you can use the *Configuring IBM Flex System Enterprise Chassis components* quick start guide. You can find that quick start guide at this location:

In the information center (Internet):

[http://pic.dhe.ibm.com/infocenter/flexsys/information/topic/com.ibm.acc.commontasks.doc/commontasks\\_chassis\\_config.html](http://pic.dhe.ibm.com/infocenter/flexsys/information/topic/com.ibm.acc.commontasks.doc/commontasks_chassis_config.html)

The IBM Flex System product documentation is also available on the IBM Flex System Manager management node. To access the installed documentation, click Information Center from the IBM Flex System Manager Home page and then navigate to: IBM Flex System information -> Quick start guides -> Installing and configuring the IBM Flex System Enterprise Chassis

1. Log on to the Chassis Management Module (CMM) CLI with an SSH application. The default IP address is 192.168.70.100 and the default login/password is USERID/PASSWORD. If necessary, obtain the IP address and login of the CMM from your system administrator.
2. Set the environment to the bay where you installed the switch. For example, if you installed the switch in I/O module bay 2, enter the following command:  
`env -T system:switch[2]`
3. Run the following command to enable external data ports:  
`ifconfig -ep enabled`

External ports 1-2 and 11-16 are now enabled for data throughput.

## ***Activating additional keys:***

If you have purchased additional keys, they need to be installed on the switch. Complete the following steps to install keys using the ISCLI interface:

1. To retrieve the key, navigate a browser to <https://www.ibm.com/systems/x/fod/index.wss> and sign in with your ID and Password.
2. Click **Request activation key**.
3. Enter the authorization code. The authorization code was supplied to you by email or on paper as part of the ordering process.
4. Click **Continue** and follow the instructions and download the key file.
5. Log on to the CN4093 switch with an SSH application. The default IP addresses for the switch through the CMM are as follows: 192.168.70.120 (bay 1), 192.168.70.121 (bay 2), 192.168.70.122 (bay 3), 192.168.70.123 (bay 4). If necessary, obtain the IP address and log in of the switch from your system administrator.
6. Enter **ena**.
7. Enter **software-key**.
8. Enter **enakey address <hostname or IP address> keyfile <file name> protocol tftp mgt-port**

**Note:** you must reset the switch to apply the key.

9. Reset the switch. Enter **reload**.

Repeat these steps for additional keys, if needed. The sequence of steps is shown here:

```
Router#ena
Router(config)#software-key
Router(Software-Key)#enakey address 9.44.143.206 keyfile
ibm_fod_0007_Y010CM28N001_anyos_noarch.key protocol tftp mgt-port
Starting download key file...
```

```
Key file download complete (494 bytes)
Software feature 'Upgradel' will be Active upon next reboot.
```

```
Aug 5 11:47:39 1080:0:0:0:0:0:0:82 NOTICE mgmt: Software feature 'Upgradel'
will be Active upon next reboot.
```

A Reboot is required for the new settings to take effect.

```
Router(Software-Key)#reload
...
Resetting at 11:47:59 Tue Aug 5, 2014...
```