

Configuring a virtual LAN (VLAN) on an Ethernet switch

Prerequisites:

- One IBM Flex System Enterprise Chassis, one IBM Flex System EN2092 1Gb Ethernet Scalable Switch or one IBM Flex System EN4093 10Gb Fabric Scalable Switch
- The Ethernet network is configured.

Steps:

Follow these steps to add VLAN 454 and port 1,3,6,7-12,32-36:

1. Log on to the switch with an SSH application. The default IP addresses for the switch through the Chassis Management Module (CMM) are as follows:
 - 192.168.70.120 for bay 1
 - 192.168.70.121 for bay 2
 - 192.168.70.122 for bay 3
 - 192.168.70.123 for bay 4.

If necessary, obtain the IP address and login of the switch from your system administrator.

NOTE: Enter the text in **green** in the following steps at the keyboard.

2. enter `/cfg/l2/vlan 454` (Vlan 454 is created)
3. `>> VLAN 454# add` (add ports to VLAN)
4. Enter port to be added: `1,3,6,7-12,32-36` (adding ports 1,3,6,7-12,32-36)
5. Confirm the port changes

Port INTA1 is an UNTAGGED port and its current PVID is 1.

Confirm changing PVID from 1 to 454 [y/n]: `y` (Confirming port change)

Port INTA3 is an UNTAGGED port and its current PVID is 1.

Confirm changing PVID from 1 to 454 [y/n]: `y` (Confirming port change)

Port INTA6 is an UNTAGGED port and its current PVID is 1.

Confirm changing PVID from 1 to 454 [y/n]: `y` (Confirming port change)

Port INTA7 is an UNTAGGED port and its current PVID is 1.

Confirm changing PVID from 1 to 454 [y/n]: **y** (Confirming port change)

Port INTA8 is an UNTAGGED port and its current PVID is 1.

Confirm changing PVID from 1 to 454 [y/n]: **y** (Confirming port change)

Port INTA9 is an UNTAGGED port and its current PVID is 1.

Confirm changing PVID from 1 to 454 [y/n]: **y** (Confirming port change)

Port INTA10 is an UNTAGGED port and its current PVID is 1.

Confirm changing PVID from 1 to 454 [y/n]: **y** (Confirming port change)

Port INTA11 is an UNTAGGED port and its current PVID is 1.

Confirm changing PVID from 1 to 454 [y/n]: **y** (Confirming port change)

Port INTA12 is an UNTAGGED port and its current PVID is 1.

Confirm changing PVID from 1 to 454 [y/n]: **y** (Confirming port change)

Port EXT4 is an UNTAGGED port and its current PVID is 1.

Confirm changing PVID from 1 to 454 [y/n]: **y** (Confirming port change)

Port EXT5 is an UNTAGGED port and its current PVID is 1.

Confirm changing PVID from 1 to 454 [y/n]: **y** (Confirming port change)

Port EXT6 is an UNTAGGED port and its current PVID is 1.

Confirm changing PVID from 1 to 454 [y/n]: **y** (Confirming port change)

Port EXT7 is an UNTAGGED port and its current PVID is 1.

Confirm changing PVID from 1 to 454 [y/n]: **y** (Confirming port change)

Port EXT8 is an UNTAGGED port and its current PVID is 1.

Confirm changing PVID from 1 to 454 [y/n]: **y** (Confirming port change)

Current ports for VLAN 454: empty

Pending new ports for VLAN 454: INTA1 INTA3 INTA6-INTA12 EXT4-EXT8

Reminder: VLAN 454 needs to be enabled.

6. >> VLAN 454# **ena** (Enable the VLAN)
7. >> VLAN 454# **apply** (Apply the changes)
8. >> VLAN 454# **save** (Save the changes)

9. Confirm saving to FLASH [y/n]: y

(Confirm saving)

New config successfully saved to FLASH.