

## Configuring a virtual Network Interface Controller (vNIC)

### Prerequisites:

- One IBM Flex System Enterprise Chassis, one IBM Flex System EN4093 10Gb Fabric Scalable Switch, one compute node with one IBM Flex System EN4054 4-port 10Gb Ethernet Adapter.
- The Ethernet network is configured.

### Steps:

To complete this task, you have to configure the adapter and then configure the switch.

#### *Configuring the adapter*

1. Connect a KVM cable to the compute node or to the compute node KVM with the Management Module.
2. When the compute node is starting, send CTRL-P while the EN4054 Ethernet Adapter initializes.
3. On the Controller Selection Menu, select the Controller that you want to configure.
4. On the Controller Configuration page, enable MultiChannel Support then select Continue.
5. On the Switch Configuration page, enable IBM Virtual Fabric Mode then select Port Selection.
6. On the Port Selection Menu, select the controller you want to configure then select Save.
7. Press Esc until you see the Controller Selection menu again.
8. Repeat these steps to configure another controller if needed or press Esc to exit the program.

#### *Configuring the switch*

A step-by-step example of how to configure the switch for is available in the chapter, "Virtual NICs," in the IBM Networking OS Application Guide for the IBM Flex System Fabric EN4093 10Gb Scalable Switch at the following link:

External site:

<http://publib.boulder.ibm.com/infocenter/flexsys/information/topic/com.ibm.acc.networkdevices.doc/00ay513.pdf>

From the installed documentation on the IBM Flex System Management Console, navigate to: IBM Flex System information -> Network devices -> Network switches -> IBM Flex System Fabric EN4093 10Gb Scalable Switch -> IBM Networking OS Application Guide for the IBM Flex System Fabric EN4093 10Gb Scalable Switch.