Getting full access to the Ethernet I/O modules

Prerequisites:

Make sure that you have met the following prerequisites before you complete the steps in this quick start guide:

- Enable the switch modules (I/O modules) to be discoverable by the IBM Flex System Manager management node. This quick start guide assumes that you do not have full access to the modules from the IBM Flex System Manager management node. For more information about the initial setup of the chassis switch modules, see the *Initial setup of chassis I/O modules (switches)* quick start guide.
- Select one or more chassis to be managed in the IBM Flex System Manager domain. For information about selecting a chassis to be managed in the IBM Flex System Manager domain, see the Add a new chassis to an existing IBM Flex Systems Manager domain quick start guide.

Steps:

A switch can contain multiple remote access points (RSAPs). To obtain full access to the switch, you have to first unlock all of its RSAPs.

The IBM Flex System Manager management node should automatically obtain full access to ethernet I/O modules that have default credentials. If the credentials on one or more I/O modules have been changed, or if the IBM Flex System Manager management node does not gain full access to the I/O modules, the following procedures should be followed to resolve the problem.

To determine if you have full access to a switch, complete the following steps:

- 1. Log in to the IBM Flex System Manager user interface with a user account that has sufficient privileges to configure devices managed by the IBM Flex System Manager management node.
- 2. On the Initial Setup tab of the Home page, click **Chassis Manager**.
- 3. Click **General Actions** on the right side of the user interface. Then click **Resource Explorer**.
- 4. Click **All Systems**. In the Access column, you can see whether you have partial access to a switch, as shown here:

Groups > All Systems (View Members)

Actions Search the table Search				
Select	Name 🗢	Type 🗘	Access 🗘	Problems
	●∰fd55:faaf:e1ab:1b08:10:9:26:117	Switch	🛃 Partial access	🖉 ок
	■ #fd55:faaf:e1ab:1b08:10:9:26:166	Switch	Partial access	🖉 ок
	METAA100	System Chassis	🖉 ок	🖉 ок
	Inettaa115.trow.netfinity.com	Switch	🐻 Partial access	🖉 ок
	Inettaa118.trow.netfinity.com	Switch	Partial access	🖉 ок
	🗎 netum168	Server	🖉 ок	\Lambda Warning
	🔚 netum168. urow. netfinity. com	Operating System	📄 ок	\Lambda Warning

To fully unlock a switch, right-click the name of the switch to be unlocked. Then select **Security** \rightarrow **Configure Access** to view the Configure Access page, which will show you the RSAPs that are locked.

- If HTTPS and SSH share the same user ID and password, you can unlock these both of these RSAPs by clicking **Request Access**. If you have different user IDs or passwords for the different protocols, you must configure each one individually. Click each access type to enter the correct user ID and password.
- If SNMP is locked, you must unlock it. Select SNMP and then click **Configure Credentials** to display the Configure Credential Wizard.
 - a. Click **Next** on the Welcome tab.
 - b. On the Credential Type page, select the correct SNMP version and click **Next**.
 - c. On the Credential Details page, enter the correct SNMP details based on the SNMP profile on the switch and click Next.
 Note: For SNMPv3 credentials, the default SNMPv3 user ID is adminmd5 and the default authentication password is adminmd5.
 - d. Validate that the information on the Summary page is correct. Then click Finish.

On the Configure Access page, click on the switch name to confirm that the SNMP credential is unlocked.

After you have obtained access to the I/O module, you need to collect inventory for that module. To collect inventory for the I/O module, complete the following steps:

- 1. From the All Systems view, right-click on the I/O module.
- 2. Click **Inventory** and then click **Collect Inventory** to launch the Collect Inventory task.

To check the existing SNMPv3 credentials on the IBM I/O switch module and add or modify SNMPv3 users, complete the following steps:

Note: The following steps can be used to check existing SNMPv3 credentials for the IBM Flex System EN2092 1Gb Ethernet Scalable Switch or the IBM Flex System Fabric EN4093 10Gb Scalable Switch. For other I/O modules, see the documentation provided with the I/O module. Information about the I/O modules is available at the following location:

Information Center (Internet):

http://publib.boulder.ibm.com/infocenter/flexsys/information/topic/com.ibm.acc.networkdevic es.doc/network.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 \rightarrow IBM Flex System network devices

- 1. Start an SSH session and connect to the switch (I/O module). The default user ID and password to access the switch is admin/admin or USERID/PASSWORD (0 and not an uppercase o).
- 2. If you are prompted to choose a mode for the command line interface, select **ibmnos**.
- Enter the following command to check SNMPv3 configuration: /cfg/sys/ssnmp/snmpv3/cur
- 4. Enter the following command to add or edit SNMPv3 users:

/cfg/sys/ssnmp/snmpv3/usm [1-16]

There are default SNMP users, such as:

- name = adminmd5
- auth = md5 (default authentication password is usually admin or adminmd5)
- privacy = des (default privacy password is usually admin or adminmd5)

Example:

>> SNMPv3# /c/sys/ssnmp/snmpv3/usm 1

[SNMPv3 usmUser 1 Menu] name - Set USM user name auth - Set authentication protocol authpw - Set authentication password priv - Set privacy protocol privpw - Set privacy password del - Delete usmUser entry cur - Display current usmUser configuration

5. Enter the following command to assign an SNMPv3 user to a user group: /cfg/sys/ssnmp/snmpv3/group [1-16]

Example:

>> Main# /cfg/sys/ssnmp/snmpv3/group 1

[SNMPv3 vacmSecurityToGroup 1 Menu]

- model Set security model
- uname Set USM user name
- gname Set group name
- del Delete vacmSecurityToGroup entry
- cur Display current vacmSecurityToGroup configuration
- 6. After editing, use Apply and Save to save the changes.

For more information on how to add and configure SNMPv3 users, see the *IBM Networking OS Application Guide for the IBM Flex System Fabric EN4093 10Gb Scalable Switch* at the following link:

Information center (Internet):

http://publib.boulder.ibm.com/infocenter/flexsys/information/topic/com.ibm.acc.networkdevic es.doc/00ay513.pdf

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 \rightarrow Network devices \rightarrow Network switches \rightarrow IBM Flex System Fabric EN4093 10Gb Scalable Switch