Purpose: To explain the different ways to change the port status in the Port Location table.

This document assumes that the Port Location table has already been created. Please refer to the document "How to create the Port Mapping List.pdf" on how to create this table.

Using the Web Interface

1) In the Web Interface, go to the Port Location menu and select List to display the table.

List Port-Location Assignments

Page loaded at: WED JAN 04 08:41:05 2017 (AG time)

Action	Location	Description	Port	State	Billing Modes*	Billing Plans	Provide DHCP	Subnet	Default QoS Policy	Intra-port Communication
Delete	2		2	Charge	RAD	All plans	Enabled	0.0.0.0	(no policy)	Disabled
Delete	3		3	No Charge	RAD	All plans	Enabled	0.0.0.0	(no policy)	Disabled

2) Select the port you wish to change by clicking on its link in the Port column.

List Port-Location Assignments

Location: 2
Port (e.g. VLAN ID): 2
Description:

☑ Provide DHCP Service — Has no effect unless the **DHCP service feature** is enabled
Subnet: 0.0.0.0

Default QoS Policy: (no policy) ▼
State:
- ○ No Charge (Authorization not needed)
- ○ Blocked
- ● Charge for Use (Authorization is *required*)

  Any selections made below will only take effect if **Port-Based Billing** is enabled generally, and if the corresponding **Facebook**, **RADIUS**, **PMS**, and **Credit Card** billing methods have been properly configured and enabled too.

  - ☑ Internally-authorized subscribers

    Any users at this location who are pre-authorized by a **Subscriber Profile** do not need any further billing methods specified.

  - ☐ Enable Facebook Login
  - ☑ Enable RADIUS Billing
  - ☐ Enable PMS Billing
  - ☐ Enable Credit Card Billing

  Billing plan(s) available on port

  At least one plan must be selected when **Facebook**, **PMS**, or **Credit Card** billing are enabled.

  - ● All plans
  - ○ No plans
  - ○ Specific plans
    - ☐ Plan A
    - ☐ Plan B
☐ Allow Intra-port communication

[✎ Update] [− Remove] [↻ Restore]

State Descriptions:
No Charge = authentication, terms of use or portal page redirects are not displayed, traffic to the Internet is allowed
Blocked = all traffic is blocked, no screens are displayed
Charge for Use = authentication, terms of use, portal page redirects are displayed, user must complete the authentication process before Internet access is granted.

Select the new State and click on Add/Update at the bottom of the screen to make the change.

Using the Command Line Interface

In the command line interface there is not an option for Edit, you will use Add instead. To change the port status using the command line interface, login using telnet or a serial connection and go to the Port Location menu and select Add. If the port already exists, it will be updated with the information entered.

```
Enter port                                      [0        ] : 2
Enter location                                  [2        ] : 2
Enter subnet                                    [0.0.0.0  ] :
Enter Default QoS policy (space=no policy)      [         ] :
Enter state (0=NoCharge 1=Charge 2=Blocked)     [charge   ] : 2
```

 NOTE: The following billing policy parameters will have no effect unless the port-based billing policy feature is enabled. Also, each individual item has no effect unless the corresponding feature is enabled.

```
Enable Facebook Login                           [disabled  ] :
Enable RADIUS billing                           [enabled   ] :
Enable PMS billing                              [enabled   ] :
Enable Credit Card billing                      [enabled   ] :
```
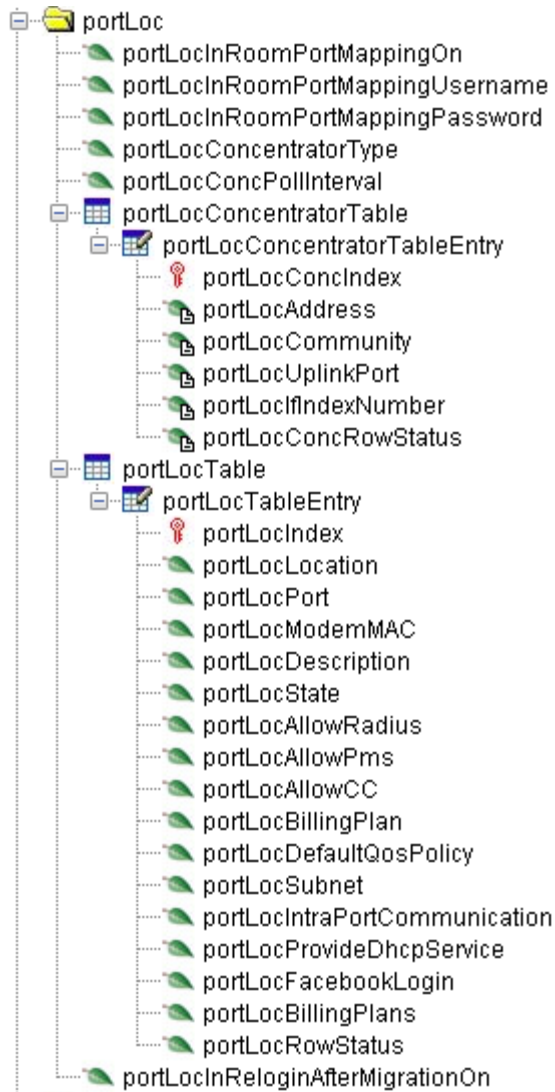
All - All Billing Plans
0 - Plan A
1 - Plan B
5 - Shared Time

```
Select the billing plan to allow on this port   [All      ] :
Enter description                               [port 2   ] :
Allow Intra-port communication                  [yes      ] :
Allow DHCP                                      [yes      ] :
Location file updated.
```

Using SNMP

Open an SNMP Mib browser, go to
.iso.org.dod.internet.private.enterprises.nomadix.products.hsg.portLoc.portLocTable

You will need view this as a table. Below is a portion of this table view.

portLocLocation	portLocPort	portLocModemMAC	portLocDescription	portLocState
2	2	00:00:00:00:00:00		charge(1)
3	3	00:00:00:00:00:00		noCharge(0)
1	1	00:00:00:00:00:00		noCharge(0)

If you wish to edit a port listing, find the port number in the portLocPort column and scroll right to the portLocState column and double click on the entry to change it.

0=No Charge
1=Charge
2=Blocked

Using XML

With XML, the command to change the room access is sent from an external server. The IP address of this server will need to be added in the Configuration/AAA screen in the XML interface section.

From the external server, a Room_Set_Access XML command will be sent to change the status of the port. **Note:** The Location value is used in the command not the VLAN (port) number of the switch port.

An example of the command being sent.

```
<USG COMMAND="ROOM_SET_ACCESS" ROOM_NUMBER="1234">
<ACCESS_MODE>ROOM_OPEN</ACCESS_MODE>
</USG>
```

The values for Access_Mode are: Room_Open, Room_Charge or Room_Block.

For further details on XML, please contact Nomadix Technical Support, support@nomadix.com and request the latest XML DTD.