

MAGNUM ROUTER VIRTUAL CONTROL PANEL

USER MANUAL

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REVISION HISTORY

<u>REVISION</u>	<u>DESCRIPTION</u>	<u>DATE</u>
1.0	First Release	Jul 2011
1.1	Added Appendix: Installing the MAGNUM-ROUTER-VCP on MAC OS	Sep 2011
1.2	Updated Appendix section	Dec 2013

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1. OVERVIEW

The Magnum Router Virtual Control Panel requires a MAGNUM ROUTER or MAGNUM ROUTER SS with an enabled MAGNUM-ROUTER-VCP license in order for the panels to come online. Any simple panel type can be selected.

The MAGNUM-ROUTER-VCP panels are added to the Single Profile Interface in MAGNUM ROUTER or MAGNUM ROUTER SS just like any physical panel. The MAGNUM-ROUTER-VCP panel layouts are created in MAGNUM ROUTER or MAGNUM ROUTER SS similar to any physical panel.

2. CONFIGURATION

2.1. CONTROLS

2.1.1. Tool Menu

The **Tools** drop down menu enables the user to start or stop the panels.



Figure 2-1: Tool Menu

Selecting the *Start Panel* option or pressing the *Start* button will activate the panel and illuminate the control panel keys.

Selecting the *Stop* option or button will stop the control panel from running.

2.1.2. Edit Menu

The **Edit** drop down menu enables the user to manage the panels and racks.

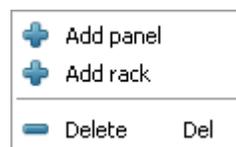


Figure 2-2: Edit Menu

Selecting the *Add Panel* option will create a new panel which will be displayed in the main Router Panels window. If a rack already exists, the panel will be placed under the rack text and appear in the separate frame window. If a rack does not exist, selecting this option will create a rack and panel concurrently. The user can continue to add panels which will appear in the rack as they are listed in the Router Panels hierarchy field.

Selecting the *Add Rack* option will create a new rack which will be displayed in the main Router Panels window. A new window will also open, which displays a grey box representing a frame. This window will allow the user to interact with the control panel once the panel has been added.

In order to delete a rack or panel, the user must select (highlight) the item from the main Router Panels window, and then use the *Delete* option from the *Edit* drop down menu.

2.1.3. About Menu

The *About* menu enables the user to view the version number of Magnum Router VCP software.



Figure 2-3: About Menu

2.2. ADDING A PANEL IN THE MAGNUM-ROUTER-VCP APPLICATION

1. After successfully installing the MAGNUM-ROUTER-VCP software, launch the *Router Panels* application.

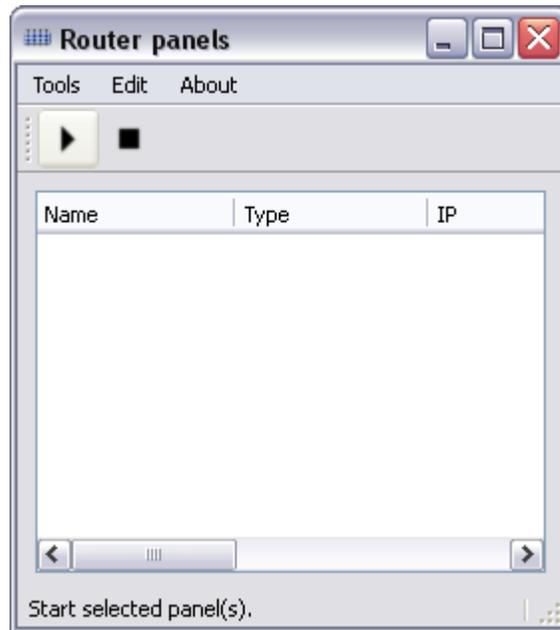


Figure 2-4: Router Panels

2. To add a new rack and/or panel, navigate to the *Edit* menu.



Figure 2-5: Edit Drop Down Menu

3. From the drop down menu select "Add Panel". This action will automatically create a Rack and launch a second window called "Rack".

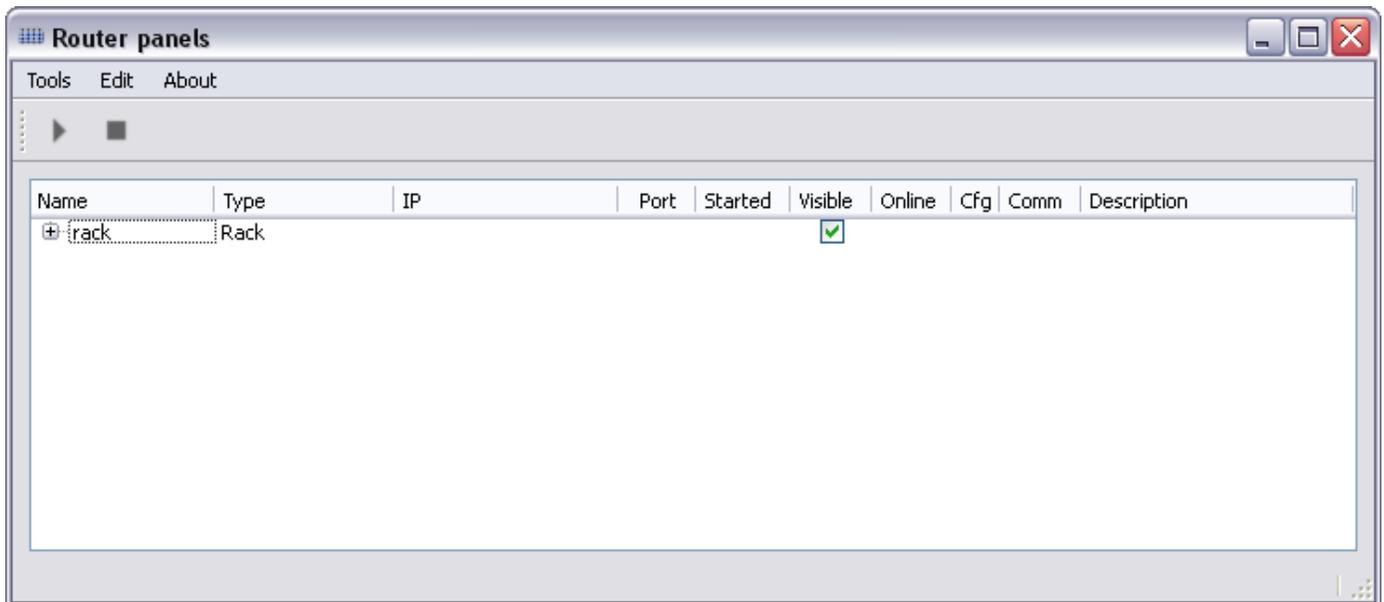


Figure 2-6: Router Panels Window



Figure 2-7: Rack Window

- Expand out the rack device in the Router Panels window. (Please Note: If you cannot see all of the parameters in the Router Panels window, then expand the window by dragging the bottom right corner until all items are visible.)
- The Router Panels window should show a panel called "panel1". The *Type* will be listed as *none* and the IP will be blank.

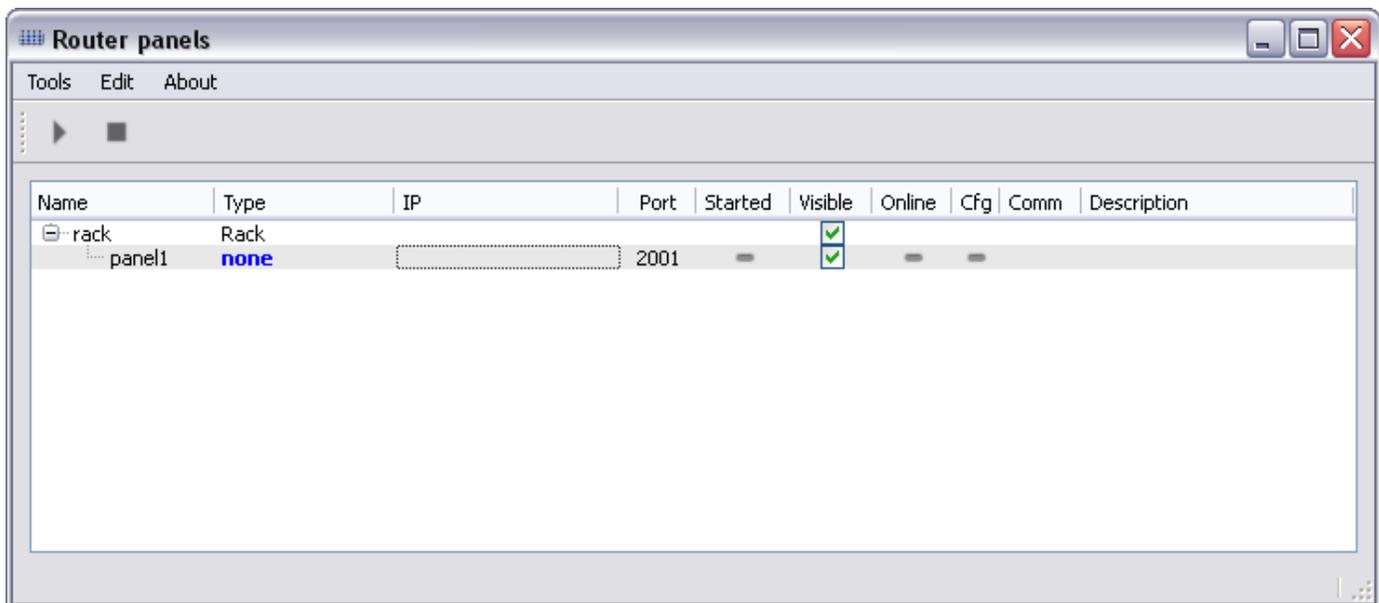


Figure 2-8: Displaying the Panel's Parameters

- To select a panel type, double click on the *none* text under the *Type* column and a drop down menu will appear. From the drop down menu, select the type of panel that is to be used.

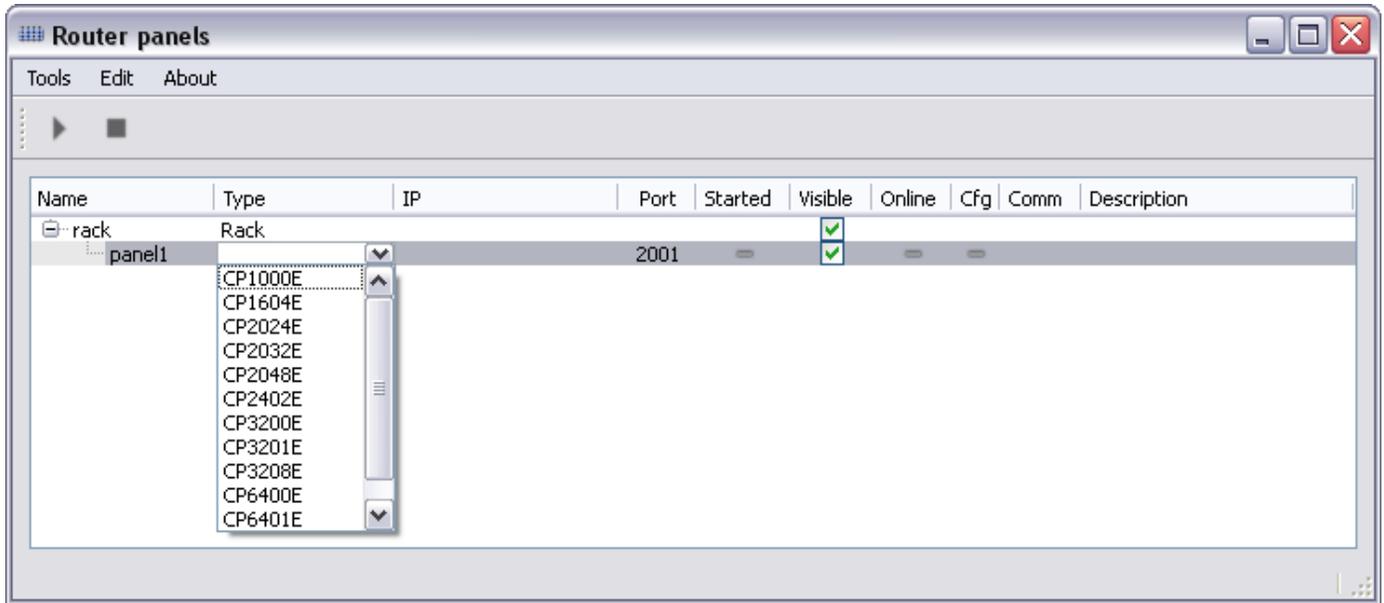


Figure 2-9: Selecting a Panel Type

7. To set the IP address, a drop down menu will appear when double clicking on the blank cell under the "IP" column. From the drop down list, select the IP address of the local PC that is able to communicate with the MAGNUM ROUTER SS. Please note that if there are multiple panels using the same IP address, the ports must be different for each panel.

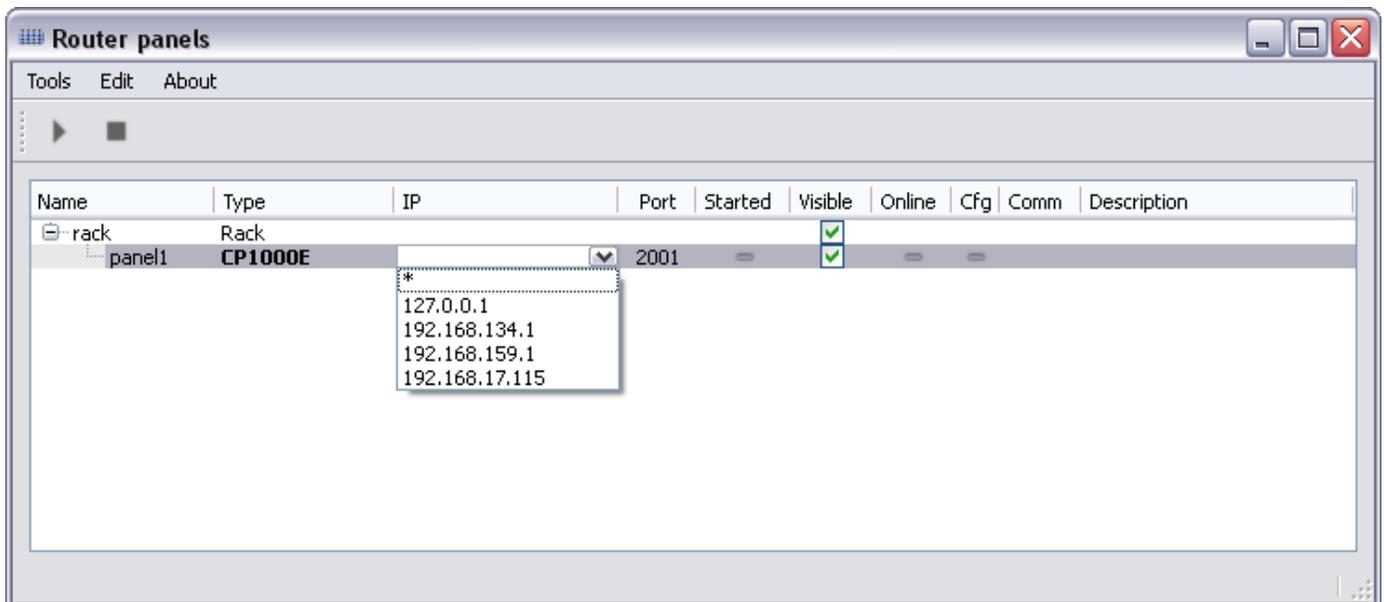


Figure 2-10: Setting an IP Address

8. Click the "Play" button on the top left of the Router Panels application to activate the panel. Once the panel is activated, a virtual control panel will be displayed in the *Rack* window.



Figure 2-11: Activated Control Panel

9. Log into the MAGNUM ROUTER or MAGNUM ROUTER SS Web Configuration interface to add the newly created MAGNUM-ROUTER-VCP panel to the Single Profile Panel interface.
10. Navigate to the interfaces screen and select the *Single Profile* tab.

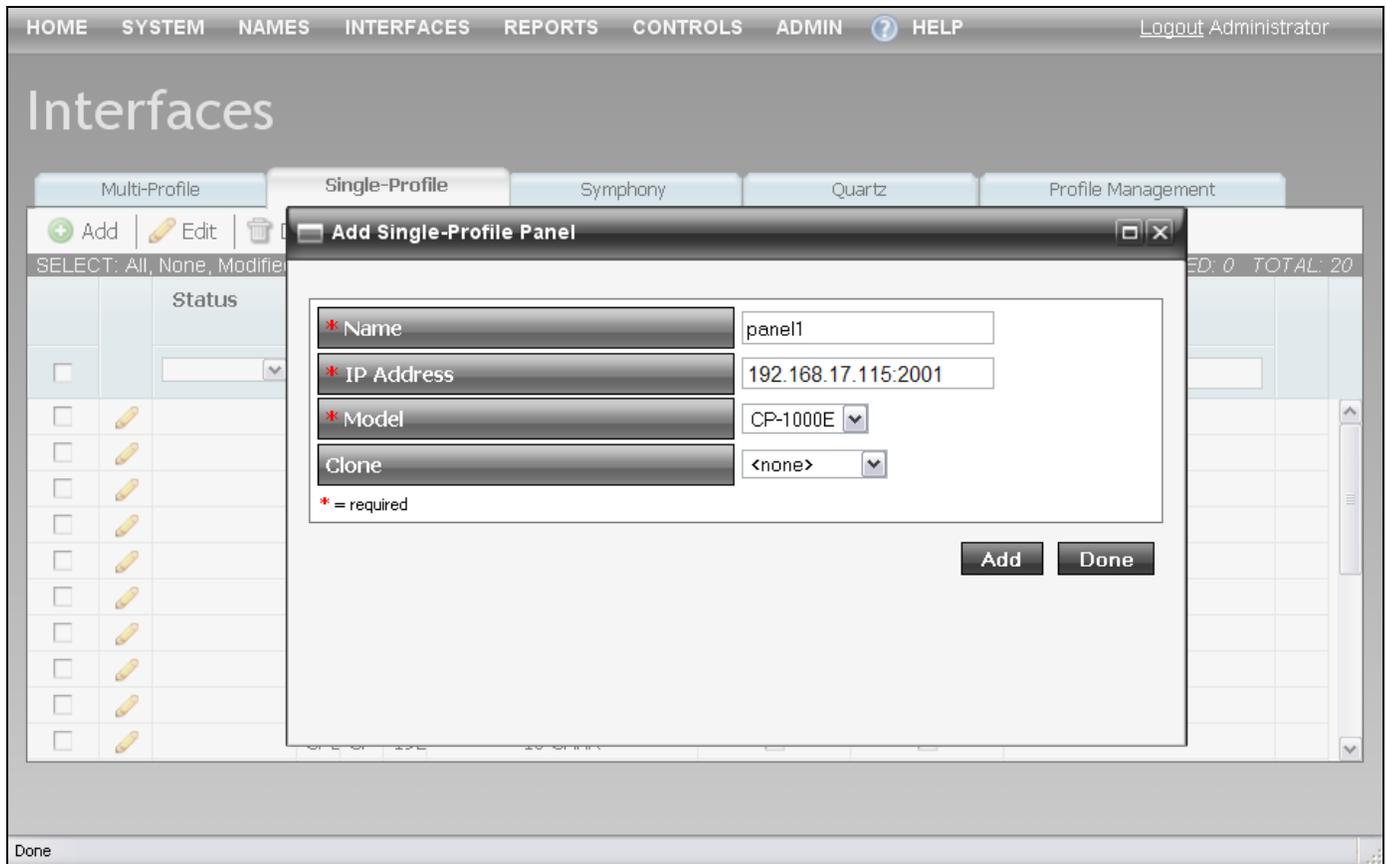
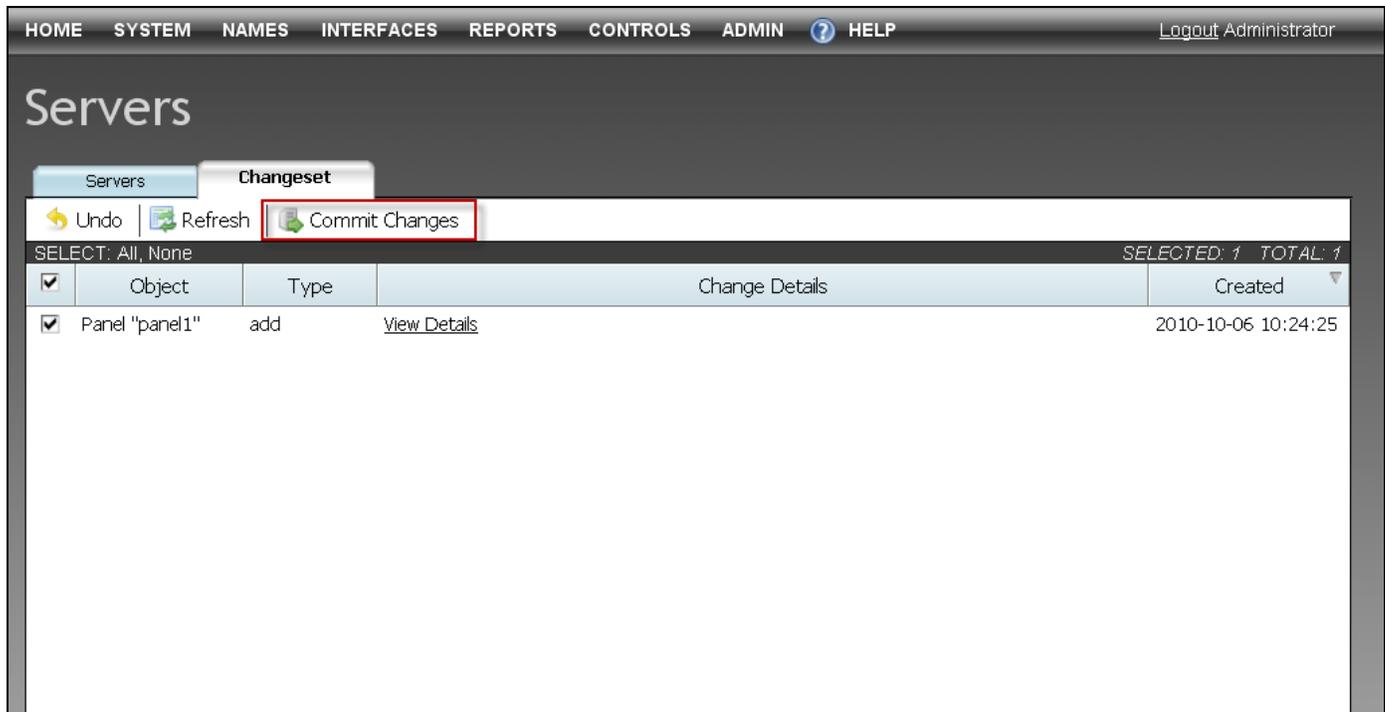


Figure 2-12: Adding the Panel in the Magnum Server

11. Ensure the same Panel Type and correct IP address is used when creating the panel in the MAGNUM ROUTER or MAGNUM ROUTER SS Web Configuration interface.
12. Once the panel is created, the user must commit the change to the MAGNUM ROUTER or MAGNUM ROUTER SS system. Navigate to the *Changeset* tab and select the *Commit Changes* button.



HOME SYSTEM NAMES INTERFACES REPORTS CONTROLS ADMIN ? HELP Logout Administrator

Servers

Servers Changeset

Undo Refresh **Commit Changes**

SELECT: All, None SELECTED: 1 TOTAL: 1

<input checked="" type="checkbox"/>	Object	Type	Change Details	Created
<input checked="" type="checkbox"/>	Panel "panel1"	add	View Details	2010-10-06 10:24:25

Figure 2-13: Commit Changes

13. Verify MAGNUM-ROUTER-VCP is online and communicating with the MAGNUM ROUTER or MAGNUM ROUTER SS system.
14. Once the changes are committed, the user will be able to edit the interface layout of the virtual control panel.
15. Navigate to the *Single Profile* tab under the *Interfaces* category and select the edit button for the newly added panel.

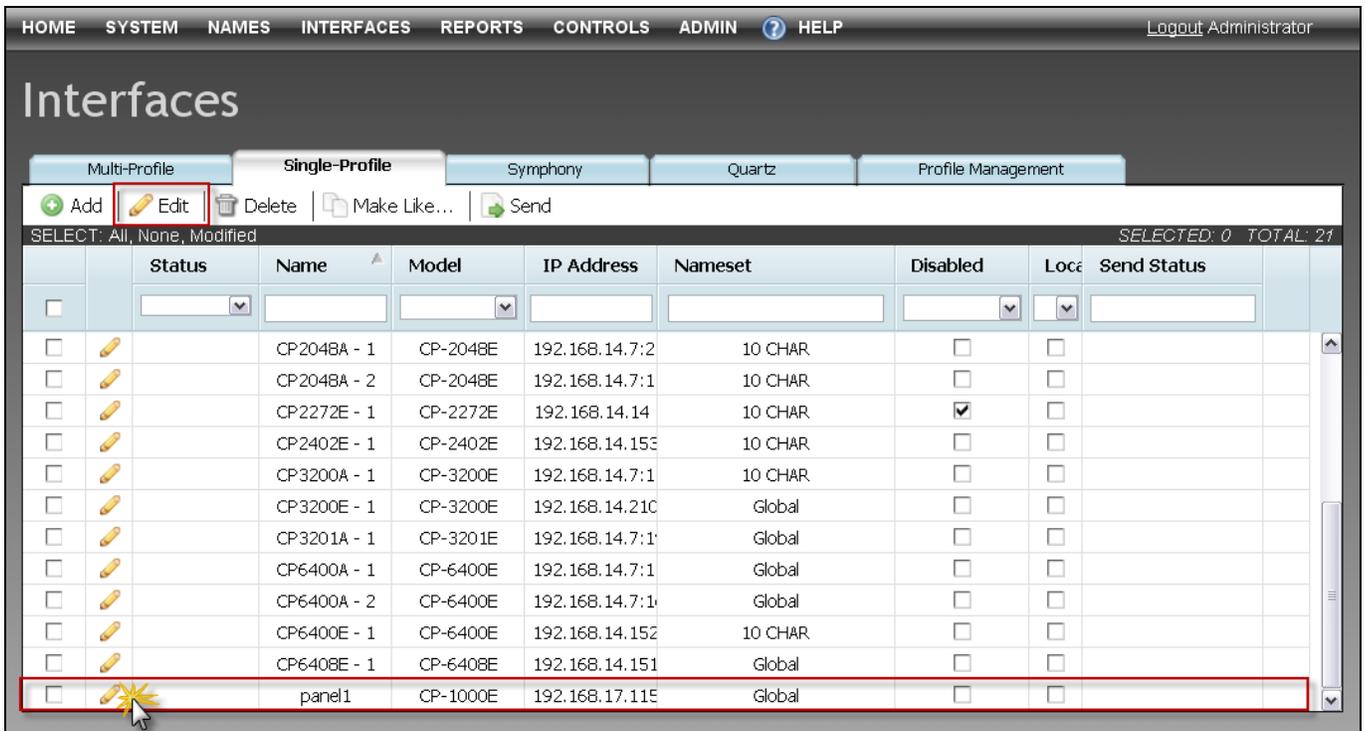


Figure 2-14: Selecting the Edit Button

16. The *Interface Layout* screen for the selected panel will appear. Use the MAGNUM ROUTER controls to edit the panel. Once complete, ensure the changes are committed.

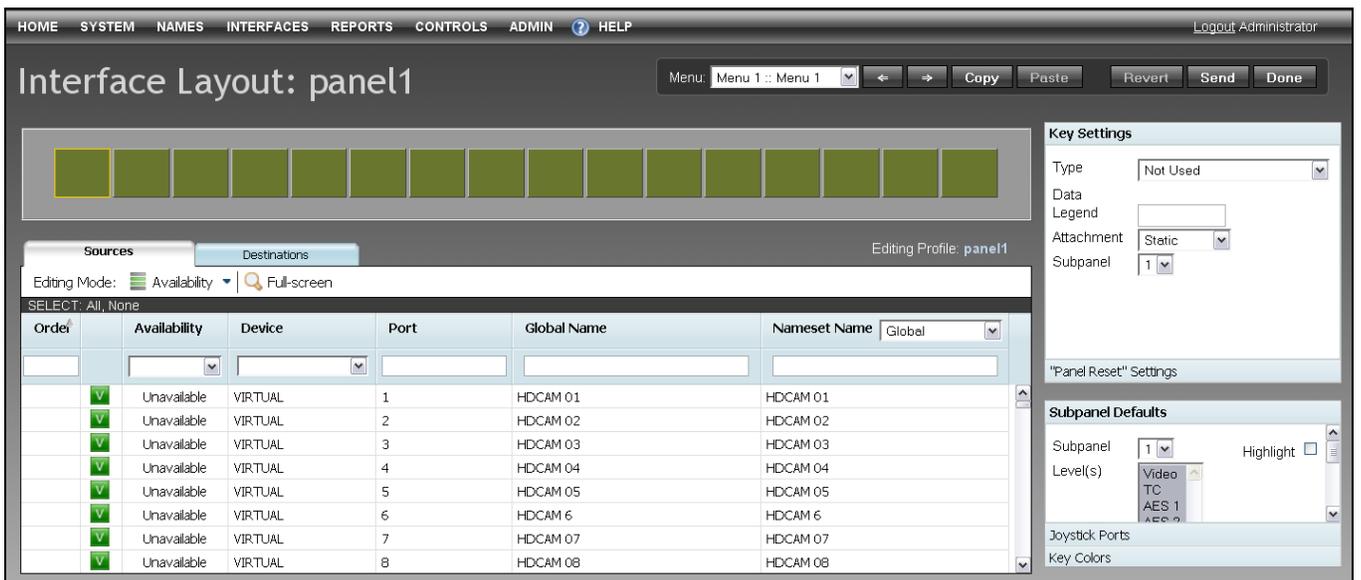


Figure 2-15: Magnum Router - Interface Layout Screen

3. APPENDIX: INSTALLING THE MAGNUM-ROUTER-VCP ON MAC OS

- VCP's installed on MAC O/S.

Issue: VCP will not connect to EQX / MAGNUM server.

Soultion: File / Folder permissions issue.

Inside the application (Contents -> MacOS) there is an xml file which is the server-provided panel information. That xml file has permissions set so that only the user who installed the application originally can write to that file or directory.

For the Router Panel (application) -> Contents, change the access privileges to read+write for all users. Then propagate those permissions down. Once that xml file / directory can be accessed by everyone, it will allow any user on the system to open the router panel application and connect to the server.

To change the permissions to the folder:

1. From the comand line:
Sudo chmod -R 777 /applications/routerpanels
2. Then right click on the folder.
3. Get info.
4. Enabled the folder for sharing.
5. Added the different users to the list.
6. Enabled Read + write permissions for all of them.
7. Enabled the enclosed content to be RW enabled as well.