MRV Optiswitch 606, 906, 940, 9244

\*\*This is how to config your device and get it up online and in Provision\*\*

\*\*Adding Services in Provision will be in a different tutorial\*\*

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Preconfig:

- get a management IP(eg. 10.4.6.x) from the ping server

- Have a copy of the basic config. This is the basic config for OS606.

config t

port tag-outbound-mode tagged 6

interface vlan vif146

 tag 146

 ip dhcp client timeout unlimited

 ip dhcp

 ports 6

 management

ip route 0.0.0.0/0 10.4.6.1

snmp

 community 10 read-only default public

 community 20 write-read default private

radius-server key srsiri23w

radius-server timeout 3

radius-server host 10.5.5.2

aaa

 authentication login default radius local

rsyslog 10.0.0.212

end

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Config Process: (NOTE: Do not connect your device to our network until Step 4).

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Step 1). Console in to the device. Make sure you don’t have any config in your device. Default it using “write erase” if you need to. Copy and paste the basic config to your device, then save. You must define your uplink port/interface.. everything else stays the same. This is getting ready for “Provision”. This is basically the only config you’ll do in the CLI.. After this you’ll do everything from Provision.

port tag-outbound-mode tagged 6 (Port 6 here is what I’m using to connect to our Force 10. Adjust port # to meet your need)

interface vlan vif146

 tag 146

 ip dhcp client timeout unlimited

 ip dhcp

 ports 6 (This is your uplink port.. must have this port in “port tag-outbound-mode tagged x” above)

 management

Step 2). Create the Device.. Login to Provision.. click Inventory > Add Device > click “More” under the IP Address field to extend the Device Configuration window. Follow the naming convention for existing devices. Put in the management IP (e.g. 10.4.6.x).. this is the IP that Provision will assign to your device/optiswitch. Turn ON “Assign DHCP Address”.. you’ll need the Model Type, MAC Address, Gateway, Network Mask. it is recommended to set Regional Map in here to “CO Test” while you’re testing. You can move the device to the “Devices” regional map when it’s live at customer prem or in our network.

Step 3). Zero Touch Config.. In Provision.. click Tools > Zero Touch > Startup Configuration..

- click on the latest startup config for the Model(e.g. 606, 906, 940) that you are working on.. copy the configuration.. click the “Close” icon con right side

- click “+ Add” icon to add a new startup config, put your device management IP(e.g. 10.4.6.x), make sure to set the file transfer profile to the right device Model (606, 906, etc), paste the config that you copied earlier in the configuration box.

- You’ll need to check 4 things in the config before you click Save:

 - make sure the “port tag-outbound-mode tagged #” is correct

 - set service name to match your customer name “service MGMT-CustomerName-VL146.X” (X is your management IP e.g. 146.81)

 NOTE: Service name(in blue) MUST be less then 30 characters.

 - Verify your uplink port is correct (s-ports # is your uplink port)

 - Verify management IP is correct within the service (ip 10.4.6.X/24) This is the same IP up in the “Device IP Address” field.

- Click Save.

Step 4). Connect the uplink port on your device to our network. Management VLAN(e.g. 146) must be be tagged to your device. Your device should get the IP from Provision that you set when you “Add Device”. Your device will reboot on its own after receiving an IP. Now you can use your radius credentials to login to the device when telnet in to the CLI.

\*\* NOW you’re ready to add services in Provision!!!\*\*