THE LINUX FOUNDATION

The Linux Foundation Internal Use Only

- > Introduction
 - Name: Alisha Aneja
 - > Location: Melbourne, Australia
 - University: University of Melbourne
 - Mentor: Harry Huang
 - > OPNFV Project: Compass Web Development



- Project Overview
 To improve existing web UI (compass-web) for Compass
- Frameworks/Tools/Languages Used
 Python, Docker, Coffeescript, AngularJS, HTML, CSS

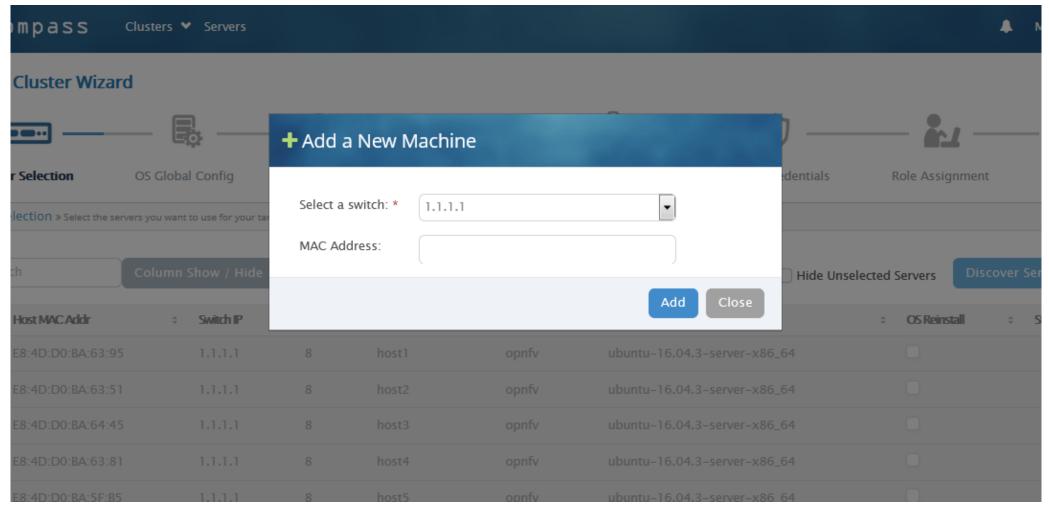
- > Project Objectives: The project had 5 major components-
 - Obj I: Porting the compass-web to use AngularJS instead of Coffeescript.
 - > Obj 2: Implementing the functionality of discovering servers without switch.
 - > Obj 3: Implementing the the support of using multiple MAC addresses.
 - > Obj 4: Modification of Network Tabs (Physical N/W and Virtual N/W).
 - Obj 5: Support for Openstack and Kubernetes flavor.



- > Project Deliverables
 - Deliverable I: Porting the codebase to AngularJS
 - Deliverable 2: Adding support for multiple MAC addresses, improving the display and error handling
 - Deliverable 3: New page design for Physical Network page and modification for Virtual Network page

- > Project Execution & Accomplishments
 - > All 3 objectives completed with code committed.
 - > The v2.5 version of compass-web completed!

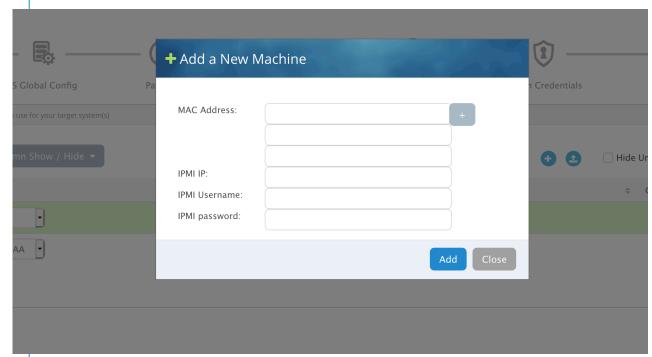
Compass Web (Old version)



Single MAC address



Compass Web (New version)



Host MAC Addr

eth0− AA:AA:AA:AA:AA

eth0− BB:BB:BB:BB:BB

r

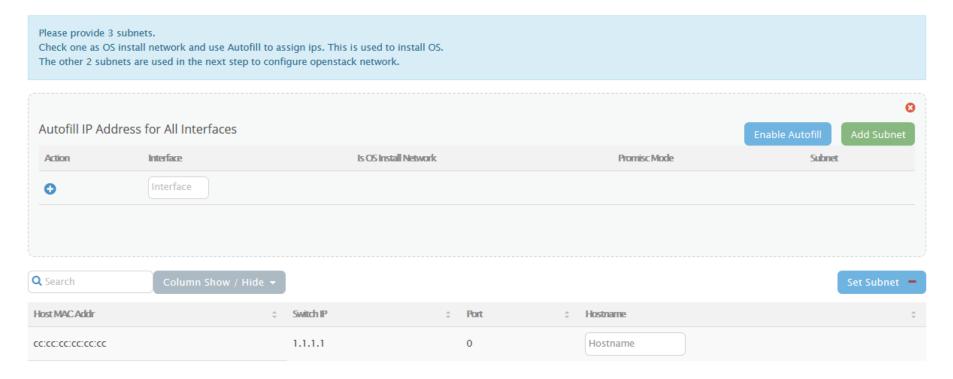
eth0− 11:12:33:33:55:55
eth1− 11:23:44:55:99:77

Multiple MAC address display

Adding multiple MAC addresses



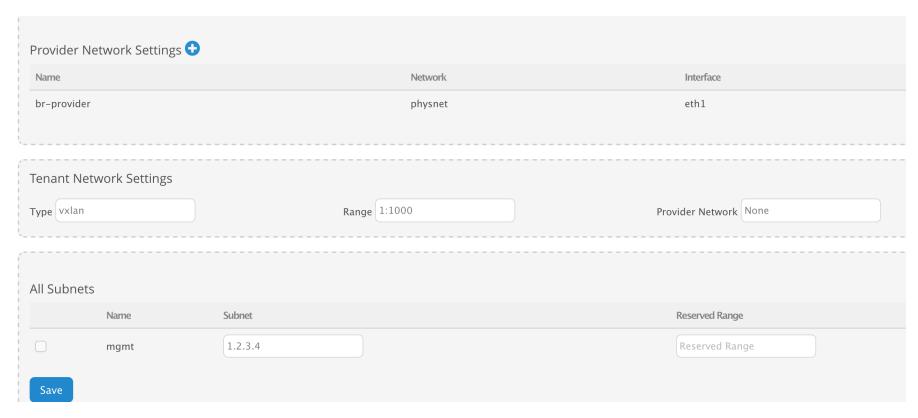
Compass Web (Old version)



Physical Network page



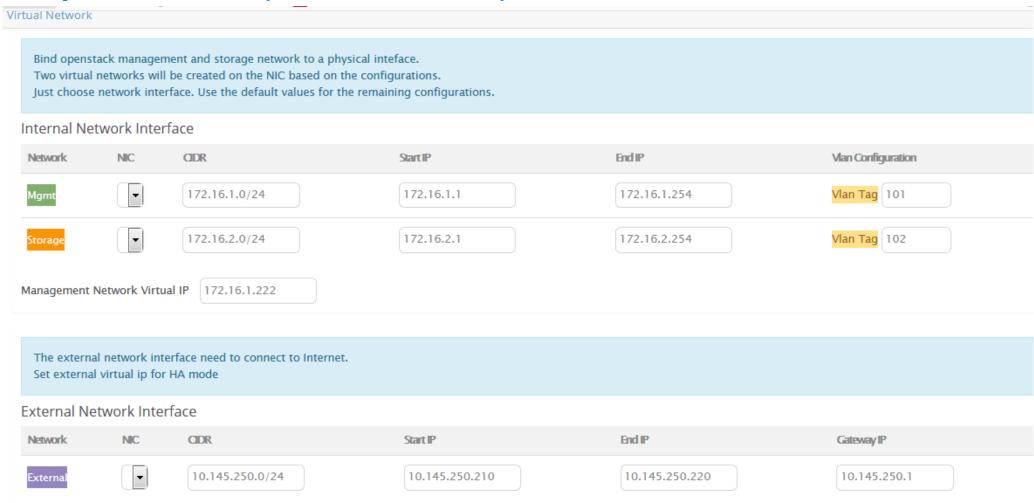
Compass Web (New version)



Physical Network Page



Compass Web (Old version)

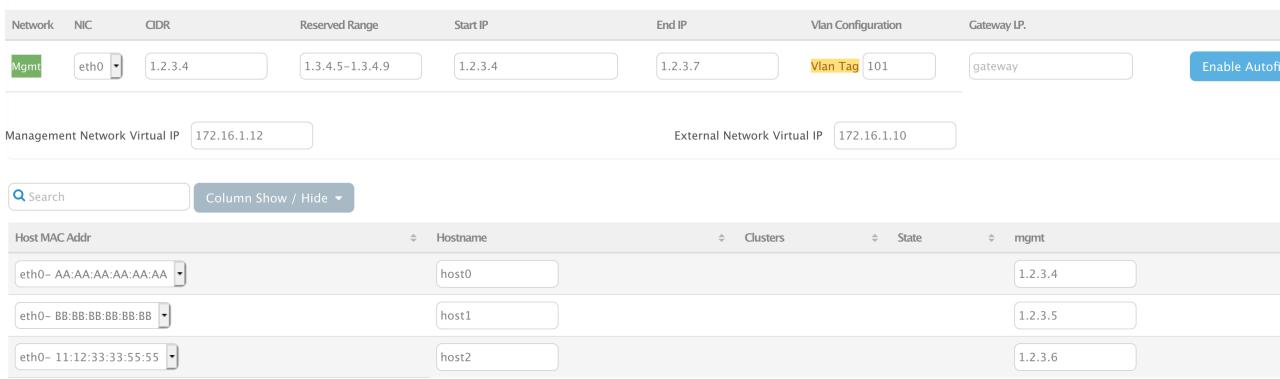


Virtual Network page



Compass Web (New version)

Internal Network Interface



Virtual Network page



- > Recommendations for future work
 - > Error handling to be improved.
 - > Discover servers functionality can be improved.
 - > Detailed documentation to be written for compass-web.

> Questions?

