Intel HF2 ONAP Community POD 01 (AKA: POD-25)
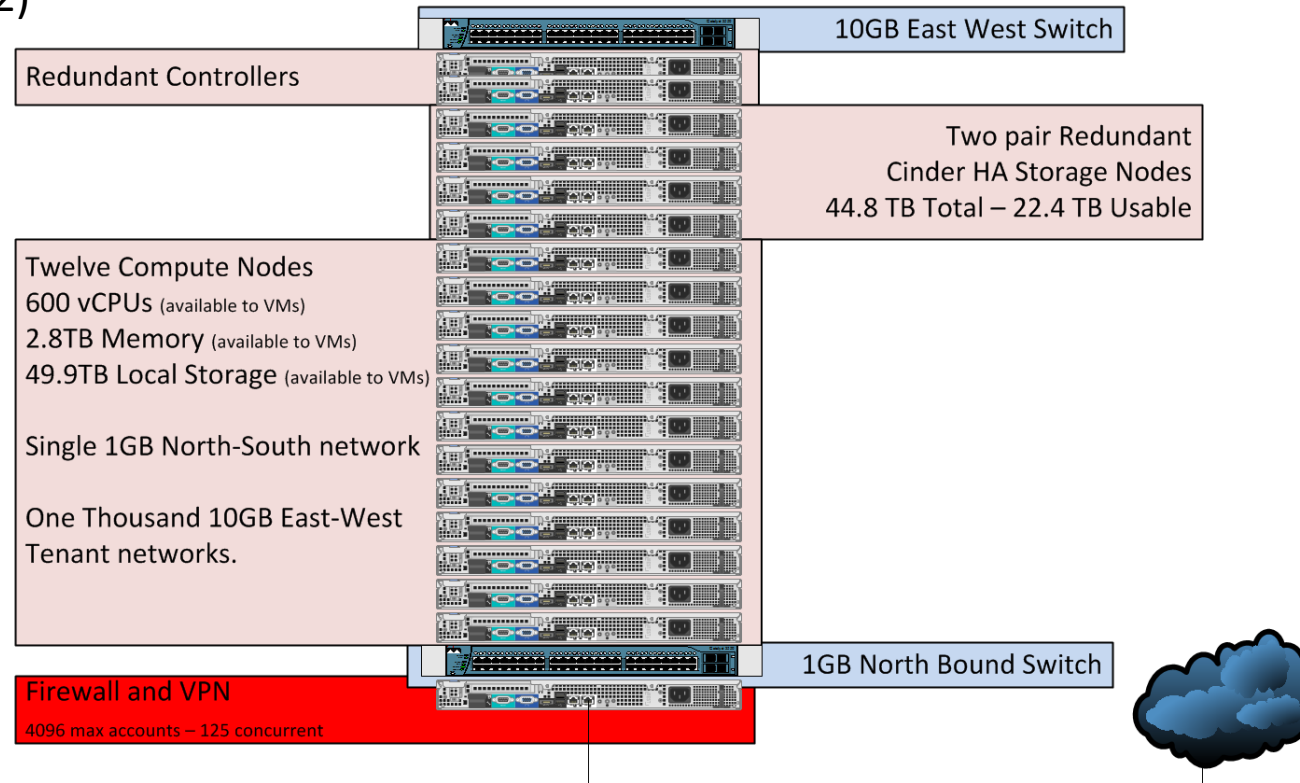
Gooch Stephen, Windriver, stephen.gooch@windriver.com

Located in Hillsboro Oregon USA
Intel Hawthorn Farm 2 (HF2)

10GB East West Switch

Redundant Controllers

Two pair Redundant
Cinder HA Storage Nodes
44.8 TB Total – 22.4 TB Usable

Twelve Compute Nodes
600 vCPUs (available to VMs)
2.8TB Memory (available to VMs)
49.9TB Local Storage (available to VMs)

Single 1GB North-South network

One Thousand 10GB East-West
Tenant networks.

Firewall and VPN
4096 max accounts – 125 concurrent

1GB North Bound Switch

THE LINUX FOUNDATION

ONAP
OPEN NETWORK AUTOMATION PLATFORM

ONAP Developer POD - Projects

- **Integration** – every has visibility.
- Individual Projects

| A & AI	AAF	APPC	CLAMP	CC-SDK
DCAE	DMaaP	External-API-Framework	Holmes	Logging
Microservices	Modeling	VIM	CLI	PFPP
PPPP	SDN-C	SO	VID	VFC
VNF-SDK	OOM	SDC	PAF-PAL	vCPE
Integration-SB-00	Integration-SB-01	Integration-SB-02	Integration-SB-03	
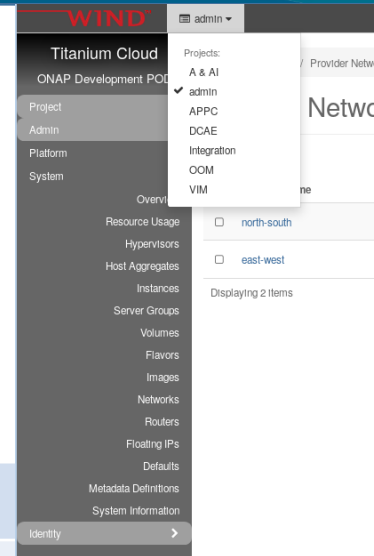
ONAP Developers Lab – Request Access

- Add name and email to https://wiki.onap.org/pages/viewpage.action?pageId=15992234
  - Associate with existing project or create a new project
- Open JIRA: https://jira.onap.org/projects/OPENLABS
  - Component MULTI_GEOLAB
  - Assign to Stephen Gooch

ONAP Developers Lab – Using the VPN

- From the JIRA, a form letter is sent with an encrypted zip file.
  - There are two files in this zip
    - login.txt (your username and password)
    - pod-onap-01.ovnp (Open VPN CA same for all)

- Edit pod-onap-01.ovpn to include login information
  - Linux/Mac
    - auth-user-pass login.txt
  - Windows
    - auth-user-pass "C:\\Program Files\\OpenVPN\\config\\login.txt"
  - You many need to add "http-proxy url:port" or "socks-proxy url:port"
    - Discuss with your IT reprehensive.

- Execute
  - Linux
    - $ sudo openvpn –config pod-onap-01.ovpn
  - Windows
    - Install the Open VPN client, import pod-onap-01.ovpn and select connect

ONAP Developers Lab – Using remote CLI

- After connecting the VM. You can use a local Linux machine or the supplied jumpstation for OpenStack CLI access.

- Download OpenStack RC File from UI:

  Project -> Compute -> Access & Security -> API Access

- Upload file to jumpsation (or local machine)

  - If running on local machine, ask stephen.gooch@windriver.com for remote CLI SDK.
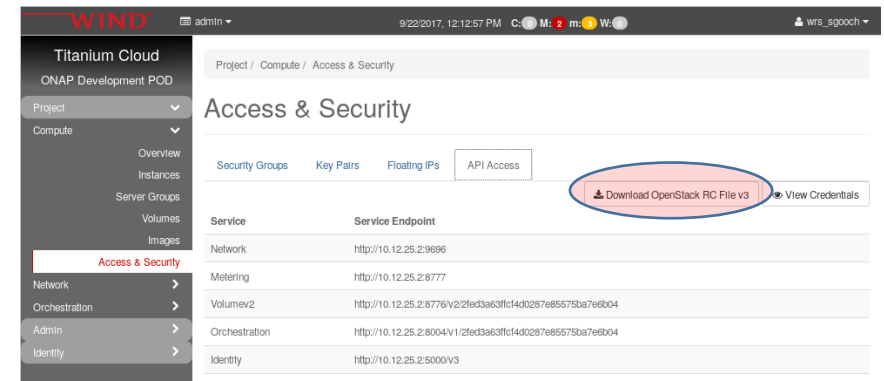
- Source and run OpenStack commands

  ```
  user@pod-onap-01-vjhost:~$ source ./Integration-openrc.sh
  Please enter a path for your CA certificate pem file, #or press enter if you are not using HTTPS
  Please enter your OpenStack Password for project Integration as user username:
  user@pod-onap-01-vjhost:~$ openstack usage list
  ```

- Jumpstation IP   10.12.25.44

Flavors, Live Migration and HA

- **Under Normal Cloud Maintenance:**
  - v1 flavors w/volumes are recommended over m1 flavors using local storage for faster live migrations
  - m1 flavors over 80G do not support live migration. They will rebuild on a host lock/upgrade
- **Under node failure**
  - VMs using m1 flavors and local storage will restart after host evacuation
  - VMs using v1 flavors w/volumes will live migration – even with a node power failure.
- We are considering deleting the m1.xlarge and m1.xxlarge flavors.

WIND | ☰ Integration ▼ | 9/27/2017, 8:54:57 AM C: 3 M: 2 m: 3 W: 2

Admin
Platform
System
- Overview
- Resource Usage
- Hypervisors
- Host Aggregates
- Instances
- Server Groups
- Volumes
- **Flavors**
- Images
- Networks
- Routers
- Floating IPs
- Defaults
- Metadata Definitions
- System Information

Identity

Flavor Name	VCPUs	RAM	Root Disk	Ephemeral Disk	Swap Disk	RX/TX factor	ID
m1.large	4	8GB	80GB	0GB	0MB	1.0	5c4d5b48-93a8-4654-b8d1-832ce618d5d4
m1.medium	2	4GB	40GB	0GB	0MB	1.0	764efb04-5a46-4806-a766-2bdd24559f39
m1.small	1	2GB	20GB	0GB	0MB	1.0	1a0d1e0a-9e6d-4dfc-a0d8-73aa2ef794e6
m1.tiny	1	512MB	1GB	0GB	0MB	1.0	5211b5d6-d006-4501-8e47-3136e4cf7668
m1.xlarge	8	16GB	160GB	0GB	0MB	1.0	1534679b-8601-497e-bc73-500b6e435275
m1.xxlarge	12	64GB	160GB	0GB	0MB	1.0	f1db313b-609c-447a-9663-f0977b228174
v1.large	4	8GB	0GB	0GB	0MB	1.0	f41a9a52-e7df-4ade-a104-9591e46685d7
v1.medium	2	4GB	0GB	0GB	0MB	1.0	f0c1f92f-3cb0-4903-ac18-f0aae20bd6ed
v1.xlarge	8	16GB	0GB	0GB	0MB	1.0	79927a49-0dc2-450d-ae01-0bf9b72c40c7
v2.large	8	8GB	0GB	0GB	0MB	1.0	b8571cc9-d615-4045-84d8-023fa4139d7b
v2.medium	2	8GB	0GB	0GB	0MB	1.0	214fb10f-5e3c-4ea7-b2e6-bb7e0623ac3d
v2.xlarge	12	24GB	0GB	0GB	0MB	1.0	a5aba347-c74b-423b-b739-62ed8b45b800
v3.large	6	12GB	0GB	0GB	0MB	1.0	19cc9887-d5a1-4045-9894-d9622ef6dbad

Displaying 13 items

Filter

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