Apex: Agenda

- Status
- Build & Integration Guide
  - Build Process
  - Deployment Details

https://wiki.opnfv.org/display/apex
https://wiki.opnfv.org/display/apex/Integration+Guide
Apex: Colorado Status

Completed:
• OpenStack Mitaka
• ODL Be (Boron Optional)
• ODL HA
• Hugepage
• CPU Pinning

In Progress:
• OVS DPDK
• IPv6 Underlay
• VLAN Support
• FD.IO
• Congress
• VSPERF

https://jira.opnfv.org/browse/APEX-120
Apex: Install

Jump Host Setup
- Apex ISO
- CentOS Virtualization Host + Apex RPMs
- Git Repo (local build)
Apex: Environment

RPM vs Git Deployment

- **CONFIG**
  - /var/opt/opnfv
  - {git repo}/build

- **RESOURCES**
  - Generally images dir inside CONFIG

- **LIB**
  - /var/opt/opnfv/lib
  - {git repo}/lib
Apex: Environment

RPM vs Git Deployment

• PYTHONPATH
  • /usr/lib/python2.7/site-packages
  • {git repo}/lib/python

• Deployment files
  • /etc/apex/
  • {git repo}/config
Apex: Build

Build artifacts:
• CentOS ISO
• Apex RPMs
• Undercloud libvirt image
• Glance overcloud images
Apex: Executable Files

RPM:
- opnfv-deploy
- opnfv-clean
- opnfv-util

Git:
- deploy.sh
- clean.sh
- util.sh
Apex: Deployment

Jump Host
Apex: Deployment

Jump Host

Libvirt image → Undercloud VM
Apex: Deployment

Jump Host
Undercloud (VM)
Apex: Deployment

Jump Host

Undercloud (VM)

Glance images → OPNFV (overcloud)
Apex: Deployment

Jump Host

Undercloud (VM)

OPNFV Control

OPNFV Compute (overcloud)
Apex: Deployment

deploy.sh → deploy settings → Build Overcloud Command → triple-o

undercloud install → openstack overcloud deploy Execute Deploy

→ THT → Puppet

→ Overcloud