Fuel OpenDaylight plugin demo

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Agenda

- OpenDaylight versions
- Plugin structure
- Plugin build
- Plugin installation
- Plugin settings
  - mandatory ODL settings
  - encapsulation
- Overview of deployed environment
OpenDaylight

- OpenDaylight available versions and limitations
  - Helium – Openstack Juno
  - Lithium – Openstack Kilo
- there are limitations
  - Lack of OpenDaylight driver for L3 in Juno
  - North ↔ South L3 traffic available from Lithium
Plugin structure

- Tasks
  - puppet
  - bash
- Repositories
- Pre-build hook
- Yaml files
Plugin build

- Environment requirements:
  - git
  - Fuel Plugin Builder: pip install fuel-plugin-builder
  - FPM Builder: gem install fpm
Plugin build

- Clone repository
  - `git clone https://github.com/stackforge/fuel-plugin-opendaylight`
- Build plugin rpm
  - `fpb --build fuel-plugin-opendaylight/`
- After successful build the source code directory should contain `opendaylight-[x.x.x].noarch.rpm` file which should be transferred to Fuel Master
Plugin installation

- Check already installed plugins
  - fuel plugins --list
- Install new plugin
  - fuel plugins --install opendaylight-[x.x.x].noarch.rpm
Additional information

- StackForge
  - [https://github.com/stackforge/fuel-plugin-opendaylight](https://github.com/stackforge/fuel-plugin-opendaylight)
  - it is still beta!

- Fuel plugin documentation
  - [https://wiki.openstack.org/wiki/Fuel/Plugins](https://wiki.openstack.org/wiki/Fuel/Plugins)

- Changes in Fuel 6.1
Questions?