Welcome to Unimgr

Introduction

The User Network Interface (UNI) Manager project within OpenDaylight provides data models and APIs that enable software applications and service orchestrators to configure and provision connectivity services; in particular, Carrier Ethernet services as defined by MEF Forum, in physical and virtual network elements.

MEF has defined the Lifecycle Service Orchestration (LSO) Reference Architecture for the management and control of domains and entities that enable cooperative network services across one or more service provider networks. The architecture also identifies LSO Reference Points, which are the logical points of interaction between specific functional management components. These LSO Reference Points are further defined by interface profiles and instantiated by APIs.

The LSO Reference Architecture is shown below. Note that this is a functional architecture that does not describe how the management components are implemented (e.g., single vs. multiple instances), but rather identifies management components that provide logical functionality as well as the points of interaction among them.

Unimgr provides support for both the Legato as well as the Presto interfaces. These interfaces, and the APIs associated with them, are defined by YANG models developed within MEF in collaboration with ONF and IETF. For more detailed information on these YANG models and the corresponding APIs, see the User Network Interface Manager Plug-in (Unimgr) User Guide.

An application/user can interact with Unimgr at either the Legato (i.e. service orchestration) or the Presto (i.e. network resource provisioning) layer.

Demo illustrating interaction with Legato API.

Fluorine Install
The Unimgr features are bundled in the Opendaylight Fluorine release. To install the features, first you need to `repo-add` the Unimgr feature repository – this registers the Unimgr features with the karaf container.

```bash
feature:repo-add mvn:org.opendaylight.unimgr/features4-unimgr//xml/features
```

Then you can install individual Unimgr features:

```bash
feature:install odl-unimgr
feature:install odl-unimgr-legato-api
feature:install odl-unimgr-ovs-driver
```

### Weekly Meetings

**Thursdays 08:30 AM Pacific Time**
Join via web: [https://cisco.webex.com/cisco/j.php?MTID=m23afd6f433364a663ee68674f486854](https://cisco.webex.com/cisco/j.php?MTID=m23afd6f433364a663ee68674f486854)
Meeting number (access code): 200 892 737
Meeting password: unimgr (864647 from phones)

### Resources

- Project Proposal Document (based on Lithium release)
- Oxygen Release
  - Release Plan for Oxygen
- Nitrogen Release
  - Release Plan for Nitrogen
- Carbon Release
  - Release Plan for Carbon
  - Release Review
  - Release Notes
- Boron Release
  - Release Plan for Boron
  - Release Review
  - Release Notes
  - All UNImgr Boron Bugs
- Beryllium Release
  - Release Plan for Beryllium
  - Release Review
  - Release Notes
  - All UNImgr Beryllium Bugs
- ODL Developer Resources
  - Jenkins
  - Bugzilla
  - Gerrit
  - Git
  - Trello Board

### Documentation

- Getting Started for Users
- Getting Started for Developers

### Requirements

### Release Planning
Release Notes