Welcome to MD-SAL

Introduction

The Model-Driven Service Adaptation Layer (MD-SAL) is message-bus inspired extensible middleware component that provides messaging and data storage functionality based on data and interface models defined by application developers (i.e. user-defined models).

The MD-SAL:

- Defines a common-layer, concepts, data model building blocks and messaging patterns and provides infrastructure / framework for applications and inter-application communication.
- Provide common support for user-defined transport and payload formats, including payload serialization and adaptation (e.g. binary, XML or JSON).

The MD-SAL uses YANG as the modeling language for both interface and data definitions, and provides a messaging and data-centric runtime for such services based on YANG modeling.

The MD-SAL provides two different API types (flavours):

- **MD-SAL Binding:** MD-SAL APIs which extensively uses APIs and classes generated from YANG models, which provides compile-time safety.
- **MD-SAL DOM:** (Document Object Model) APIs which uses DOM-like representation of data, which makes them more powerful, but provides less compile-time safety.

Documentation

- Please head over to our official documentation of MD-SAL.

Release Plans

- Oxygen Release Plan
- Carbon Release Plan
- Boron Release Plan

Release Notes

- Boron Release Notes
- Beryllium Release Notes

Project Facts

- **Project Creation Date:** April 17, 2014
- **Lifecycle State:** Incubation
- **Type:** Kernel
- **Primary Contact:** Robert Varga <robert.varga@pantheon.tech>
- **Project Lead:** Robert Varga <robert.varga@pantheon.tech>

Committers:

**Active:**
- Tom Pantelis <tompantelis@gmail.com>
- Robert Varga <rovarga@cisco.com>

**Inactive:**
- Tony Tkacik <tony.tkacik@gmail.com>
- Martin Ciglan <mciglan@cisco.com>

**IRC:** freenode.net #opendaylight

**Mailing List:** mdsal-dev@lists.opendaylight.org

**Archives:** mailing list archives

**Meetings:** (pending)

**Repository:** git clone https://git.opendaylight.org/gerrit/mdsal

**Jenkins:** jenkins silo

**Gerrit Patches:** code patches/reviews

**Bugs:**
- open bugs