

Messaging4Transport

Welcome to Messaging4Transport

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Introduction

The OpenDaylight controller is based on an MD-SAL allows the modeling of data, RPCs, and notifications. Because of this model basis, adding new northbound bindings to the controller is simple, and everything modeled becomes exposed automatically. Currently the MD-SAL has restconf NB bindings, where more bindings such as AMQP and XMPP can easily be implemented and integrated.

AMQP is an open standard application layer protocol for message-oriented middleware. This project adds AMQP bindings to the MD-SAL, which would automatically make all MD-SAL APIs available via that mechanism. AMQP bindings integration is built as an independent Karaf feature, that would expose the MD-SAL datatree, rpcs, and notifications via AMQP, when installed.

Many implementations of AMQP exists. [ActiveMQ](#) is a popular open source messaging and Integration Patterns server, which offers an implementation of AMQP. Initial implementation of AMQP bindings are developed and tested with ActiveMQ-5.9.0. Deploying the bundle as an Apache Camel processor, any broker can be chosen without the bundle being coupled to a specific bundle.

Key Features

- Messaging Oriented Middleware Northbound Bindings for MD-SAL.

Use Cases

Multiple [industry and research use cases](#) of Messaging4Transport have been proposed. Proof of concepts have been built with preliminary results, using the proposed architecture of Messaging4Transport.

Getting Started with Messaging4Transport

We are still in development and highly welcome contributions from developers. Contributions include (but not limited to), code contributions and applications leveraging Messaging4Transport.

Project Information

[Project Proposal](#)

Release	Release Plan	Release Notes	Release Review	Installation Guide	User Guide	Developer Guide	Integration System Test
Beryllium	Release Plan	Release Notes	Release Review	Installation Guide	User Guide	Developer Guide	Integration System Test

Documentation

Getting Started for Users

Getting Started for Developers

Requirements

Project Facts

Project Creation Date: August 6th, 2015

Lifecycle State: Incubation

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Mailing List: Messaging4transport-dev@lists.opendaylight.org
Archives: [mailing list archives](#)

Meetings: See [Community Meetings](#)

Repository: git clone <https://git.opendaylight.org/gerrit/messaging4transport>

Jenkins: [jenkins silo](#)

Gerrit Patches: [All Patches](#)

Bugs:

- [open bugs](#)

Release Planning

Release Notes