Table Type Patterns

Welcome to

Introduction

Table Type Patterns (TTPs) are the (upcoming) first tangible output from the ONF's Forwarding Abstractions Working Group (FAWG). The goal is to allow for an OpenFlow controller and OpenFlow switch to agree on a set of functionality to help manage the increased diversity made possible with OpenFlow versions 1.1+. While the current focus of TTPs within the ONF is on OpenFlow, these abstractions are the first incarnation of a category of abstractions known as "Negotiable Datapath Models" (NDMs), which are likely to be more broadly useful and inside OpenDaylight they could expand to be used for other protocols. (Note that this project was proposed under the title "Negotiable Datapath Models", based on the anticipated specification title being developed at the ONF. When the ONF changed the title, this project's title change was requested.)

Project Information

- Boron
    - Release Plan
    - Release Review
    - Release Notes
- Beryllium
    - Release Plan
    - Release Review
    - Release Notes
- Lithium
    - Release Plan
    - Release Review
    - Release Notes
- Helium
    - Release Plan
    - Release Review
    - Release Notes
- Project Proposal
- Test contact: Colin Dixon (colin@colindixon.com)
- Documentation contact: Curt Beckmann (beckmann@brocade.com)

Tutorials

Content related to the Table Type Patterns Tutorial from the 2015 OpenDaylight Summit can be found here.

Logical Subprojects

There are currently two major sub-projects: ttp-model and parser.

Model

This consists of a YANG model for a TTP that closely matches the ONF spec and a simple model that allows you to associate zero or one "active TTPs" as well as zero or more "supported TTPs" with a switch.

Parser

Project Facts

Project Creation Date: April 17, 2014

Lifecycle State: Incubation

Type: Protocol

Primary Contact: Colin Dixon <colin@colindixon.com>

Project Lead: Colin Dixon <colin@colindixon.com>

Committers:

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- Curt Beckmann <beckmann@brocade.com>
- Joseph Tardo <jtardo@broadcom.com>
- Abhijit Kumbhare <abhijitkoss@gmail.com>

IRC: freenode.net #opendaylight

Mailing List: ttp-dev@lists.opendaylight.org
   Archives: mailing list archives

Meetings: See Community Meetings

Repository: git clone https://git.opendaylight.org/gerrit/ttp

Jenkins: jenkins silo

Gerrit Patches: code patches/reviews

Bugs:

- open bugs

The parser provides CLI tools to read, write and work with TTPs.

Other Subprojects

The distribution-karaf and features subprojects are there for building and testing Karaf features so that others can load and depend on TTP functionality easily. The utils subproject contains the common, shared functionality between ttp-model and parser.

Models

- TTP Yang Model

Roadmap and Plans

- Google Doc covering use cases and API sketches
- Trello Board
- 2/4/15 e-mail on possible Lithium work items
    - low-level lithium planning

References

- TTP 1.0 Spec
- Curt and Colin's OpenDaylight Summit Talk
- Slides from the OpenDaylight Summit Talk
- Curt's slides from US Ignite
- Source, binaries and documentation for Broadcom's OF-DPA

Contribute