OpenDaylight 2024.03 Calcium lookahead

Robert Varga, PANTHEON.tech

https://lfnetworking.org
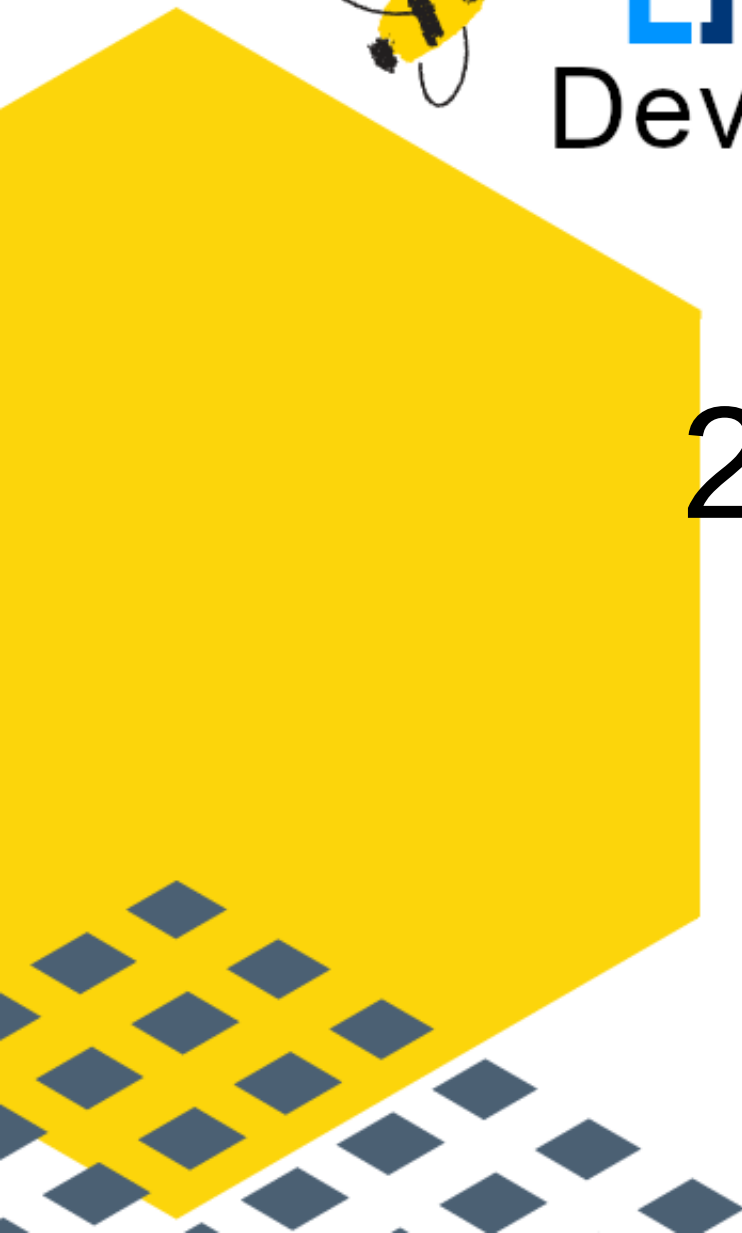
Agenda

- Overall focus
- YANG Tools items
- MD-SAL items
- Controller items
- NETCONF items
- Q&A

- Modularize RESTCONF
- Improve Karaf feature modularity
- Gradual code base evolution...
- ... to enable eventual revolution

YANG Tools items

- <u>YT-1494</u> Do not allow empty YangInstanceIdentifier values
- YT-1461 Support YANG IR persistence
- (finish) YT-932 Provide JPMS modules
- (maybe) YT-1531 InMemoryDataTree.netconfDelete()

MD-SAL items

- MDSAL-497 Remove NotificationListener codegen
- MDSAL-772 Remove RpcService codegen
- MDSAL-840 Fix instance-identifier binding mapping
- MDSAL-815 Differentiate Instance{Identifier,Wildcard}
- (probably) move binding codegen back to YANG Tools
- (probably) split model/{iana,ietf} into its own project

Controller items

- CTRL-1703 Tweak Akka/Java timeouts
- CTRL-2054 Remove ask-based protocol
- (start) CTRL-2044 Improve sal-akka-raft serialization

NETCONF items

- NC-938 OpenAPI fails on JunOS device
- NC-590 Refactor NETCONF transport layer
- NC-1102 Refactor RESTCONF stream subscription
- NC-773 Refactor RESTCONF wiring
  - Asynchronous JAX-RS
  - restconf-nb, restconf-server, etc.
- NC-855 Fix RESTCONF-reported root namespace
- (start) Scalable "netconf-network" application
- (start) Netty-based RESTCONF server

Q&A