Genius : Boron:Release Note

Contents

Major Features

Genius project provides Generic Network Interfaces, Utilities & Services. Any ODL application can use these to achieve interference-free co-existence with other applications using Genius. OpendayLight Boron Genius provides following modules --

1. **Interface (logical port) Manager** allows bindings/registration of multiple services to logical ports/interfaces
2. **Overlay Tunnel Manager** creates and maintains overlay tunnels between configured tunnel endpoints
3. **Aliveness Monitor** provides tunnel/nexthop aliveness monitoring services
4. **ID Manager** generates cluster-wide persistent unique integer IDs
5. **MD-SAL Utils** provides common generic APIs for interaction with MD-SAL
6. **Resource Manager** provides a resource sharing framework for applications sharing common resources e.g. table-ids, group-ids etc.
7. **FCAPS Application** generates various alarms and counters for the different genius modules
8. **FCAPS Framework** module collectively fetches all data generated by fcaps application. Any underlying infrastructure can subscribe for its events to have a generic overview of the various alarms and counters

Features URL: https://git.opendaylight.org/gerrit/gitweb?p=genius.git;a=blob_plain;f=features/src/main/features/features.xml

- **odl-genius-rest** : provides all basic functionalities provided by genius modules, including interface manager, tunnel manager, resource manager and ID manager and MDSAL Utils.
- **odl-genius-ui** : adds dlux ui on top of genius features
- **odl-genius-fcaps-application** : includes genius FCAPS application (experimental)
- **odl-genius-fcaps-framework** : includes FCAPS framework module (experimental)

Target Environment

For Execution

- Requires Java 8 compliant runtime environment.

For Development

None specific

Known Issues and Limitations

limited testing was done for fcaps and resource-manager framework

Changes Since Previous Releases

Not Applicable, First release

Bugs Fixed in this Release

None

Migration from Previous Releases

None

Compatibility with Previous Releases

NA

Deprecated, End of Lifed, and/or Retired Features/APIs

None