

ALTO: Beryllium: Release Review

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Project Name

ALTO (Application Layer Traffic Optimization)

Features

The ALTO project provides two top-level features in the Beryllium release:

- The **odl-alto-core** feature: a collection of models and some basic components
 - The *odl-alto-northbound*: Provides the root of RFC7285-compatible services at <http://localhost:8080/alto>.
 - The *odl-alto-resourcepool*: Manages the meta data of each ALTO service, including capabilities and versions.
 - The *odl-alto-standard-service-models*: Includes the YANG models for the five basic ALTO services defined in [RFC 7285](#).
 - The *odl-alto-standard-northbound-route*: Provides the root of the network map resources at <http://localhost:8080/alto/networkmap/>.
- The **odl-alto-basic** feature: a collection of basic implementations
 - The *odl-alto-simpleird*: Provides a basic IRD implementation and its management API.
 - The *odl-alto-manual-maps*: Makes administrators create and delete maps manually.
 - The *odl-alto-hosttracker*: Records and stores the network topology with hosts information automatically.
 - The *odl-alto-endpointcost*: Provides a basic ALTO ECS implementation based on *odl-alto-hosttracker*.

Non-Code Aspects (user docs, examples, tutorials, articles)

- [Release notes](#)
- [Installation Guide](#)
- [User Guide](#)
- [Developer Guide](#)

ASCII doc commits:

- <https://git.opendaylight.org/gerrit/#/c/32693/> It wasn't merged. It includes:
 - User Guide for ALTO Beryllium
 - Developer Guide for ALTO Beryllium

Architectural Issues

Security Considerations

Currently ALTO has no security measures.

Quality Assurance (test coverage, etc)

- [Sonar Report](#)
- [The patch](#) for system test wasn't merged. [Here](#) is the report in sandbox:

End-of-life (API/Features EOled in Release)

The features in the Lithium release have been deprecated.

Bugzilla (summary of bug situation)

Standards (summary of standard compliance)

[RFC 7285](#)

Schedule (initial schedule and changes over the release cycle)

The next items are scheduled in the next release:

- Improve the code quality
- Add some security measures
- Include auto-generated maps