

# ALTO: Beryllium: Release Notes

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## Major 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*.

## Target Environment

### For Execution

- Require Java 7 or Java 8 compliant runtime environment.

### For Development

- Require Java 7 or Java 8 compliant runtime environment.

## Known Issues and Limitations

- Particular known bugs and workarounds.
- Testing methodology. How extensive was it? What should be expected to work? What hasn't been tested as much?

## Changes Since Previous Releases

In the Beryllium release, ALTO starts to use a new structure to improve the modularity and extensibility. As the consequence, the APIs in Lithium release are deprecated.

### Bugs Fixed in this Release

### Migration from Previous Releases

Migration is impossible.

### Compatibility with Previous Releases

Incompatible with the Lithium release.