

CAPWAP: Boron: Release Review

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Project Name

CAPWAP

Features

- **Feature Name:** odl-capwap-api
 - **Feature URL:** <https://git.opendaylight.org/gerrit/gitweb?p=capwap.git;a=blob;f=features/src/main/features/features.xml>;
 - **Feature Description:** Provides implementation of the Capwap API
 - **Top Level:** Yes
 - **User Facing:** Yes
 - **Experimental:** Yes
 - **CSIT Test:** <https://jenkins.opendaylight.org/releng/view/capwap/job/capwap-csit-1node-ac-all-boron/>
- **Feature Name:** odl-capwap-impl
 - **Feature URL:** <https://git.opendaylight.org/gerrit/gitweb?p=capwap.git;a=blob;f=features/src/main/features/features.xml>;
 - **Feature Description:** Provides implementation of the Capwap
 - **Top Level:** Yes
 - **User Facing:** No
 - **Experimental:** Yes
 - **CSIT Test:** <https://jenkins.opendaylight.org/releng/view/capwap/job/capwap-csit-1node-ac-all-boron/>
- **Feature Name:** odl-capwap-ac-rest
 - **Feature URL:** <https://git.opendaylight.org/gerrit/gitweb?p=capwap.git;a=blob;f=features/src/main/features/features.xml>;
 - **Feature Description:** Provides rest implementation of CAPWAP Rest APIs
 - **Top Level:** Yes
 - **User Facing:** No
 - **Experimental:** Yes
 - **CSIT Test:** <https://jenkins.opendaylight.org/releng/view/capwap/job/capwap-csit-1node-ac-all-boron/>

The major changes done in Boron release:

- Supports IPv4 WTP detection and storing basic attributes of these WTPs in operational DB
- Supports Capwap protocol parser implementation.
- Basic DTLS support.

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

- [Release Notes](#)
- [Capwap User Guide](#)
- [Capwap Developer Guide](#)

Architectural Issues

None.

Security Considerations

Only WTP discovery, security aspects were not considered.

Quality Assurance (test coverage, etc)

System level tests are covered by automated CSIT jobs

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

There are no EOL APIs nor features in this release.

Bugzilla (summary of bug situation)

Open Bugs:

- [3432](#) - Need some more WTP information to be displayed for GET request.
- [3461](#) - Capwap AC should support IPv6 Address for WTP.
- [3756](#) - Implementation of capwap doesn't allow user specify AC parameters (e.g. Name, etc).

Standards (summary of standard compliance)

- IETF CAPWAP [RFC 5415](#)
- IETF CAPWAP [RFC 5416](#)

Schedule (initial schedule and changes over the release cycle)

Did not deliver on functional improvements due to resource constraint. Will work on Boron release deliverable's and bug fixes in Carbon.