

OCP Plugin: Boron: Release Plan

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Introduction

Release Deliverables

Name	Description
Clean Up Existing Code	Clean up existing code and make available to project team members
OCP Elementary Functions	Handling of OCP request/response messages for the following OCP elementary functions: <ol style="list-style-type: none">1. Device Management: Health Check, Set Time, RE Reset2. Config Management: Object Parameter Reporting, Object Parameter Modification3. Object Lifecycle: Object Creation, Object Deletion4. Object State Management: Object State Reporting, Object State Modification5. Fault Management: Fault Reporting
Spontaneous Indication	Handling of OCP indication messages (terminated at Southbound without further propagation)
RE Resource Model	Hosted in the MD-SAL Data Store (accessible via RESTCONF)
MD-SAL Notifications	Publishes the device-connected, device-disconnected and alignment-completed notifications
Supported Version	Support for OCP v4.1.1
Unit Tests	Unit test to achieve 80% line coverage and 60% branch coverage
Karaf Features	OCP Plugin and OCP Protocol Library installable as karaf features
Documentation	All required documentation

Release Milestones

Milestone	Offset 1 Date	Deliverables		
M1	3/17/2016	Name	Status	Description
		Candidate Release Plan	Done	Candidate Release Plan
M2	4/21/2016	Name	Status	Description
		Release Plan	Done	Final Release Plan
		Project setup	Done	Project setup in Git and Jenkins
		Code Clean up	Done	Clean up existing code and put into Git
		Define Resource Model	Done	Define the Resource Model objects to be supported

M3	5/19/2016	<table><tr><th>Name</th><th>Status</th><th>Description</th></tr><tr><td>Functionality Freeze</td><td>Done</td><td>All project functionality declared</td></tr></table>	Name	Status	Description	Functionality Freeze	Done	All project functionality declared																		
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Externally Consumable APIs

API	API Status	Short description
health-check	Stable	The Health Check procedure allows the application to verify that the OCP layer is functioning correctly at the RE.
set-time	Stable	The Set Time procedure allows the application to set/update the absolute time reference that shall be used by the RE.

re-reset	Stable	The RE Reset procedure allows the application to reset a specific RE.
get-param	Stable	The Object Parameter Reporting procedure allows the application to retrieve the following information: <ol style="list-style-type: none"> 1. the defined object types and instances within the Resource Model of the RE 2. the values of the parameters of the objects
modify-param	Stable	The Object Parameter Modification procedure allows the application to configure the values of the parameters of the objects identified by the Resource Model.
create-obj	Stable	The Object Creation procedure allows the application to create and initialize a new instance of the given object type on the RE.
delete-obj	Stable	The Object Deletion procedure allows the application to delete a given object instance and recursively its entire child objects on the RE.
get-state	Stable	The Object State Reporting procedure allows the application to acquire the current state (for the requested state type) of one or more objects of the RE resource model, and additionally configure event-triggered reporting of the detected state changes for all state types of the indicated objects.
modify-state	Stable	The Object State Modification procedure allows the application to trigger a change in the state of an object of the RE Resource Model.
get-fault	Stable	The Fault Reporting procedure allows the application to acquire information about all current active faults associated with a primary object, as well as configure the RE to report when the fault status changes for any of faults associated with the indicated primary object.

Expected Dependencies on Other Projects

- ODL Parent
- MD-SAL
- YANG Tools
- Controller

Expected Incompatibilities with Other Projects

None

Compatibility with Previous Releases

N/A

Themes and Priorities

None

Requests from Other Projects

None

Test Tool Requirements

- Testing is done in form of Java unit tests and integration tests, no requirements on infrastructure except Maven. Reporting is provided by Jenkins.

Other

None