

# Unimgr: Boron: Release Plan

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## Introduction

This is the OpenDaylight Boron release plan for the User Network Interface (UNI) Manager plugin project. The goals for this project are to introduce a plug in to expose capabilities of OpenDaylight to northbound APIs and applications enabling applications to configure and manage physical and virtual network elements for delivery of business services. The initial focus is Carrier Ethernet services as defined by Metro Ethernet Forum.

## Contacts

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## Release Deliverables

Name	Description
Unimgr	Increase Unit Test coverage per Boron requirements
MEF Services	Add missing MEF services - ELAN and ETREE
Service Layers	Separate the configuration layer and the implementation layer so that we can have multiple southbound implementations.
MEF NETCONF implementation	Implement MEF using NETCONF
MEF OpenFlow implementation	Implement MEF using OpenFlow

## Release Milestones

### Offset: 2

Milestone	Offset 2 Date	Deliverables	
M1	3/24 /2016	<b>Name</b>	<b>Description</b>
		Intent	Intent to Participate
		Release Plan	Candidate Release Plan

M2	5/5/2016	<b>Name</b>	<b>Description</b>
		Release Plan	Final Release Plan
		Checklist	Project Checklist
M3	6/2/2016	<b>Name</b>	<b>Description</b>
		Service Layers	
		MEF Services	
		Feature Freeze	Boron Features Frozen
		Documentation	Project documentation for Boron release has started
M4	6/30 /2016	<b>Name</b>	<b>Description</b>
		MEF NETCONF Implementation	
		MEF OpenFlow implementation	
		API Freeze	UNI Manager plug-in APIs for Boron Frozen
		Documentation	Drafts of all project documents available for review
M5	8/4/2016	<b>Name</b>	<b>Description</b>
		Code Freeze	UNI Manager plug-in for Boron Frozen
		System Test Setup	All components required for system test execution are installed in CI
RC0	8/11 /2016	<b>Name</b>	<b>Description</b>
		RC0	UNI Manager plug-in Boron Release Candidate 0
RC1	8/18 /2016	<b>Name</b>	<b>Description</b>
		RC1	UNI Manager plug-in Boron Release Candidate 1
RC2	8/25 /2016	<b>Name</b>	<b>Description</b>
		RC2	UNI Manager plug-in Boron Release Candidate 2
RC3	9/1/2016	<b>Name</b>	<b>Description</b>
		RC3	UNI Manager plug-in Boron Release Candidate 3
		Release Review	TSC meeting for Release Review - Approval by TC
Formal Boron Release	9/8/2016	<b>Name</b>	<b>Description</b>
		Formal Release	UNI Manager plug-in Boron Formal Release
Service Release 1	10/6 /2016	First Service Release for Boron. See <a href="#">Service Release</a> section. NOTE: This date is provisional, but will not move earlier. Please note, event based Updates (security/critical bugs) are distinct and may occur at any point.	
Service Release 2	11/17 /2016	Second Service Release for Boron. See <a href="#">Service Release</a> section. NOTE: This date is provisional, but will not move earlier. Please note, event based Updates (security/critical bugs) are distinct and may occur at any point.	

## Externally Consumable APIs

- Externally consumable APIs
- Each PROVISIONAL or TENTATIVE API must be listed as project deliverable
  - Must be declared as "IN" or "OUT" at the M3 Milestone

Short Name	Description	Type (at M2)	Type (at M3)	Type (release)	Contract	Supporting Code
PUT: Create UNI	Create one User Network Interface (UNI)	Stable	Stable	Stable	<a href="http://localhost:8080/restconf/config/cl-vcpe-mef:unis/uni/822f7eec-2b35-11e5-b345-feff819cdc9f/">http://localhost:8080/restconf/config/cl-vcpe-mef:unis/uni/822f7eec-2b35-11e5-b345-feff819cdc9f/</a>	
GET: Get UNI List	Retrieve the list of UNIs	Stable	Stable	Stable	<a href="http://localhost:8181/restconf/config/cl-vcpe-mef:unis/">http://localhost:8181/restconf/config/cl-vcpe-mef:unis/</a>	
GET: Get UNI by UUID	Retrieve attributes for a specific UNI by its Universally Unique Identifier (UUID)	Stable	Stable	Stable	<a href="http://localhost:8181/restconf/config/cl-vcpe-mef:unis/uni/{UUID}">http://localhost:8181/restconf/config/cl-vcpe-mef:unis/uni/{UUID}</a>	
DELETE: Delete UNI	Delete a specific UNI by its UUID	Stable	Stable	Stable	<a href="http://localhost:8181/restconf/config/cl-vcpe-mef:unis/uni/{UUID}">http://localhost:8181/restconf/config/cl-vcpe-mef:unis/uni/{UUID}</a>	
GET: Get UNI Speed	Retrieve configured throughput for a specific UNI by its UUID	Stable	Stable	Stable	<a href="http://localhost:8181/restconf/config/cl-vcpe-mef:unis/uni/{UUID}/speed/">http://localhost:8181/restconf/config/cl-vcpe-mef:unis/uni/{UUID}/speed/</a>	
PUT: Set UNI Speed	Configure throughput rate for a specific UNI by its UUID	Stable	Stable	Stable	<a href="http://localhost:8181/restconf/config/cl-vcpe-mef:unis/uni/{UUID}/speed/">http://localhost:8181/restconf/config/cl-vcpe-mef:unis/uni/{UUID}/speed/</a>	
GET: Get SO EVC	Retrieve attributes for a single-operator Ethernet Virtual Connection (EVC)	Stable	Stable	Stable	<a href="http://localhost:8181/restconf/config/cl-vcpe-mef:single-operator-evc/">http://localhost:8181/restconf/config/cl-vcpe-mef:single-operator-evc/</a>	
DELETE: Delete EVC	Delete an EVC by its UUID	Stable	Stable	Stable	<a href="http://localhost:8181/restconf/config/cl-vcpe-mef:evcs/evc/{UUID}">http://localhost:8181/restconf/config/cl-vcpe-mef:evcs/evc/{UUID}</a>	
PUT: Config EVC EBW	Configure egress bandwidth (EBW) for an EVC	Stable	Stable	Stable	<a href="http://localhost:8181/restconf/config/cl-vcpe-mef:evcs/evc/{UUID}/egress-bw/">http://localhost:8181/restconf/config/cl-vcpe-mef:evcs/evc/{UUID}/egress-bw/</a>	
GET: Get EVC EBW	Retrieve the egress bandwidth attribute for an EVC by its UUID	Stable	Stable	Stable	<a href="http://localhost:8181/restconf/config/cl-vcpe-mef:evcs/evc/{UUID}/egress-bw/">http://localhost:8181/restconf/config/cl-vcpe-mef:evcs/evc/{UUID}/egress-bw/</a>	
DELETE: Delete EVC EBW	Delete the egress bandwidth attribute for an EVC by its UUID	Stable	Stable	Stable	<a href="http://localhost:8181/restconf/config/cl-vcpe-mef:evcs/evc/{UUID}/egress-bw/">http://localhost:8181/restconf/config/cl-vcpe-mef:evcs/evc/{UUID}/egress-bw/</a>	
PUT: Set EVC IBW	Configure the ingress bandwidth (IBW) for a particular EVC by its UUID	Stable	Stable	Stable	<a href="http://localhost:8181/restconf/config/cl-vcpe-mef:evcs/evc/{UUID}/ingress-bw/">http://localhost:8181/restconf/config/cl-vcpe-mef:evcs/evc/{UUID}/ingress-bw/</a>	
GET: Get EVC IBW	Retrieve the ingress bandwidth attribute for a particular EVC by its UUID	Stable	Stable	Stable	<a href="http://localhost:8181/restconf/config/cl-vcpe-mef:evcs/evc/{UUID}/ingress-bw/">http://localhost:8181/restconf/config/cl-vcpe-mef:evcs/evc/{UUID}/ingress-bw/</a>	
DELETE: Delete EVC IBW	Delete the ingress bandwidth for a particular EVC by its UUID	Stable	Stable	Stable	<a href="http://localhost:8181/restconf/config/cl-vcpe-mef:evcs/evc/{UUID}/ingress-bw/">http://localhost:8181/restconf/config/cl-vcpe-mef:evcs/evc/{UUID}/ingress-bw/</a>	
GET: Get Op UNIs	Retrieve the list of UNIs from the operational data store	Stable	Stable	Stable	<a href="http://localhost:8181/restconf/operational/cl-vcpe-mef:unis/">http://localhost:8181/restconf/operational/cl-vcpe-mef:unis/</a>	

## Expected Dependencies on Other Projects

The UNI Manager plug-in project has dependencies on the following OpenDaylight projects:

odlparent, yangtools, controller, netconf, ovsdb, openflow plugin, netvirt

Providing Project	Deliverable Name	Needed By	Acknowledged?	Description
N/A	None	N/A	N/A	No new or modified project dependencies for (Bo) release

## Expected Incompatibilities with Other Projects

None

## Compatibility with Previous Releases

N/A

## Removed APIs and/or Functionality

None

## Deprecated APIs and/or Functionality

None

## **Changed APIs and/or Functionality**

None

## Themes and Priorities

## Requests from Other Projects

None

## Test Tools Requirements

- The UNI Manager Plug-in project will run System Test (ST) inside OpenDaylight cloud
- The UNI Manager Plug-in project will run TBD System Test

## Other

Link back to [UNI Manager Plug-in project main page](#).