Magnesium Release

OpenDayLight Magnesium Release: Inputs to Marketing Communications

TSC#	Project	PTL	NEW FEATURES or UPDATES in MAGNESIUM
237	LISP Flow Mapping	Lori Jakab lorand.jakab@gmail.com	The **LISP Flow Mapping** project doesn't actively plan any major new features during the Magnesium release, but will keep the code up to date with platform changes and updates, and will review external contributions.
244	OpenFlow Plugin	Arunprakash D d.arunprakash@ericsson.com	Following activities has been done in Openflowplugin for Magnesium release: • Cluster stability, scale and perf improvements • Bug Fixes • Upgrade improvements • Documentation improvements
247	BGPCEP	Ajay Lele ajaysle@gmail.com	Apart from regular sustenance activities, below features were added: • Support for missing features from RFC 5440 [PCRequest/PCReply, Topology Graph, TED, Path Computation Algorithms: CSPF, SAMCRA (Self-Adaptive Multiple Constraints Routing Algorithm)] • BGP-LS topology provider support for Segment Routing
N/A	Controller	Robert Varga nite@hq.sk	
238	Daexim	Ajay Lele ajaysle@gmail.com	Apart from regular sustenance activities, below feature was added: • Option to batch data while performing import operation, to enable processing of very large data sets.
241	Netvirt	Karthikeyan Krishnan karthikeyangceb007@gmail.com	• New Features ◦ There is no new feature is gone in this release from netvirt application. • Cluster stability, scale and perf improvements • Bug Fixes (It includes the more bug fixes in ELAN, ACL, NAT, L3VPN, IPv6 modules) • Upgrade improvements
246	Genius	Hema Gopalakrishnan hema.gopalkrishnan@ericsson.com	Following activities are planned for Genius in the Magnesium release: New Features:- • BFD support for OF Tunnels • CSIT for OF Tunnel BFD Enhancements • OF Tunnel Enhancements • Scale and Performance Improvements • Bug Fixes

245	OVSDB	Chetan Arakere chetan.arakere@altencalsoftlabs.com	• New Features
			  ◦ delete reconciliation support on termination points
			• Bug Fixes
			  ◦ https://jira.opendaylight.org/browse/OVSDB-454 Eliminate unnecessary thread and proper naming of Anonymous threads.
			• Upgrade improvements

236	Integration-Distribution	Luis Gomez ecelgp@gmail.com	During this release we added the ONAP Karaf distribution. This distribution is used by ONAP CCSDK project.
240	ServiceUtils	Faseela K k.faseela@gmail.com	The serviceutils project is not planning any major new feature in Magnesium. We will be reactive to any bug fixes required by the projects that depend on us. We will be bumping any required 3rd-party dependencies as well as upstream dependencies.
252	NETCONF	Balaji Varadaraju bvaradar@luminanetworks.com	The current list of new features that are being targeted for fixing: https://jira.opendaylight.org/browse/NETCONF-338 - NETCONF southbound requires notifications.yang model to be present on the device The current list of bugs that are being targeted for fixing: https://jira.opendaylight.org/browse/NETCONF-625 - Race condition causes multiple notification subscriptions (diagnosed) https://jira.opendaylight.org/browse/NETCONF-649 - Issue while expanding Mount Point in Opendaylight UI (Restconf) it displays 500 Error Code. https://jira.opendaylight.org/browse/NETCONF-645 - Netconf client fails to detect error reply https://jira.opendaylight.org/browse/NETCONF-646 - Impossible to subscribe to RESTCONF notification stream due to error https://jira.opendaylight.org/browse/NETCONF-639 - Netconf can confuse action definitions when they have equal name https://jira.opendaylight.org/browse/NETCONF-631 - Issue with ChoiceSchema(Mix) Node, NullPointer Exception while creating InstanceIdentifierContext for Choice(Mix Node) type. https://jira.opendaylight.org/browse/NETCONF-581 - restconf to netconf translation doesn't honor the order of the keys for lists with multiple keys https://jira.opendaylight.org/browse/NETCONF-574 - No status for rogue device in callhome server API
249	AAA	Venkat Govindarajan vgovindarajan@luminanetworks.com	Apart from the bugs and regular maintenance activities, there are the planned improvements for Magnesium 1. https://jira.opendaylight.org/browse/AAA-178 2. https://jira.opendaylight.org/browse/AAA-188 The current list of bugs that are being targeted for fixing 1. https://jira.opendaylight.org/browse/AAA-186 2. https://jira.opendaylight.org/browse/AAA-114 3. https://jira.opendaylight.org/browse/AAA-120
256	Neutron	Achuth Maniyedath achuth.maniyedath@gmail.com	Only version bumping activities in progress No new feature development planned for this release. Critical bugs to be fixed will be added later
239	Infrautils	Faseela K k.faseela@gmail.com	The infrautils project is not planning any major new feature in Magnesium. We will be reactive to any bug fixes required by the projects that depend on us. We will be bumping any required 3rd-party dependencies. We have no intention of becoming release instead of snapshot integrated in Sodium.
251	DetNet	Quan Xiong xiong.quan@zte.com.cn	Magnesium is the first release for detnet project. The detnet project is planning new features in Magnesium as following shown. Time Syn Feature: Manage time synchronism information , configuration and configure it to DetNet devices by SBI protocol. Topologe Feature: Manage Manage DetNet bridges information and configuration, also the topology of the DetNet domain. E2E Feature: Manage Manage flow information and E2E service configuration. QoS Feature: Manage priority mapping and queue configuration. PCE Feature: Calculate the optimal path and DetNet related information based on the topology and flow information. SB Plugin Feature: Push the DetNet configuration to DetNet devices by SBI protocol.
235	JSONRPC	Richard Kosegi richard.kosegi@gmail.com	No new features were planed in this release

N/A	Plastic	Allan Clarke aclarke@pobox.com	Enhancements * Output expansion of arrayed data now supports multiple outputs per array index * Performance improvements Features * Support for wildcarding in binding variables to portions of input data
N/1	Transport PCE	Guillaume Lambert guillaume.lambert@orange.com	TransportPCE magnesium release is a major step forward in the control of open optical infrastructure domain since it brings many new features. The most important one is a first experimental support for OTN on top of the already existing OpenROADM WDM support. This release comes with a newer OpenROADM service 5.1 Northbound interface. It is also worthwile to mention a limited support of TAPI version 2.1.2. It is used to expose (through a TAPI compliant Northbound Interface) an abstracted WDM/OTN topology that masks the OpenROADM topology complexity to higher layer controllers/orchestrator. Enhancements * OTN experimental support added in Magnesium SR0 for portmapping, topology, renderer and PCE (Service Handler not yet ready) * Honeynode simulators upgrade to support OTN as well as the migration to Java 11 for functional tests * Service Path API upgraded to new version 1.7 * OpenROADM service (Northbound API) upgraded to version 5.1.0 * Some Bugs fixes New Features * GNPy server connection support. This allows to offload PCE impairment aware path calculation to a GNPy server, or to validate a path precomputed by transportPCE, including the impacts of non linear effects . * External database connector experimental support. This connector allows to populate an external (MariaDB) Inventory Database, currently limited to OpenROADM version 1.2.1 devices * limited support of TAPI version 2.1.2 (Northbound API) - TAPI:get-topology-details rpc to abstract nodes from OpenROADM openroadm-topology (WDM and OTN) OTN XPONDERS in the abstracted T-API topology appear as one node in the DSR/ODU layer (with 1GE/ODU0, 10GE/ODU2e or 100GE/ODU4 Node Edge Points (NEP)), and one node in the photonic-Media layer with a single OMS/OTSI NEP. Both nodes are interconnected through a transitional link. Couples of 100GE Transponders are represented through a single node (layer-protocol-name = ETH).

It is possible to import a lot of this information directly from JIRA.

PTLs, please add more context about what has changed in this release and why it is important if it is not already included in the JIRA description.

Key	odl project	Reporter	Description

TSC-252	Balaji Varadaraju	For NETCONF Magnesium release we are planning to work on the following items. The current list of new features that are being targeted for fixing: https://jira.opendaylight.org/browse/NETCONF-338 - NETCONF southbound requires notifications.yang model to be present on the device The current list of bugs that are being targeted for fixing: https://jira.opendaylight.org/browse/NETCONF-625 - Race condition causes multiple notification subscriptions (diagnosed) https://jira.opendaylight.org/browse/NETCONF-649 - Issue while expanding Mount Point in Opendaylight UI (Restconf) it displays 500 Error Code. https://jira.opendaylight.org/browse/NETCONF-645 - Netconf client fails to detect error reply https://jira.opendaylight.org/browse/NETCONF-646 - Impossible to subscribe to RESTCONF notification stream due to error https://jira.opendaylight.org/browse/NETCONF-639 - Netconf can confuse action definitions when they have equal name https://jira.opendaylight.org/browse/NETCONF-631 - Issue with ChoiceSchema(Mix) Node, NullPointer Exception while creating InstanceIdentifierContext for Choice(Mix Node) type. https://jira.opendaylight.org/browse/NETCONF-581 - restconf to netconf translation doesn't honor the order of the keys for lists with multiple keys https://jira.opendaylight.org/browse/NETCONF-574 - No status for rogue device in callhome server API
TSC-251	Quan Xiong	
TSC-249	Venkatrangan Govindarajan	Apart from the bugs and regular maintenance activities, there are the planned improvements for Magnesium 1. https://jira.opendaylight.org/browse/AAA-178 2. https://jira.opendaylight.org/browse/AAA-188 The current list of bugs that are being targeted for fixing 1. https://jira.opendaylight.org/browse/AAA-186 2. https://jira.opendaylight.org/browse/AAA-114 3. https://jira.opendaylight.org/browse/AAA-120
TSC-247	Ajay Lele	For bgpcep project, apart from regular maintenance (bug-fixes, etc.) we plan to work on below features/enhancements in Mg release: 1. https://jira.opendaylight.org/browse/BGPCEP-365 "BGP-LS topology provider support for Segment Routing" 2. https://jira.opendaylight.org/browse/BGPCEP-833 "Add support for: Advertising Segment Routing Policies in BGP" 3. https://jira.opendaylight.org/browse/BGPCEP-881 "Remove OSGi dependency from bgpcep modules" 4. https://jira.opendaylight.org/browse/BGPCEP-715 "Enforce PCEP Checkstyle" 5. https://jira.opendaylight.org/browse/BGPCEP-882 "Update PCEP code to latest RFC" 6. https://jira.opendaylight.org/browse/BGPCEP-883 "Add suppot to Extended Metric in linkstate topology" 7. https://jira.opendaylight.org/browse/BGPCEP-858 "Full implementation of RFC 5440" (this include the Topology Graph and Path Computation Algorithm) 8. https://jira.opendaylight.org/browse/BGPCEP-495 "Support for BGP Persistance" 9. https://jira.opendaylight.org/browse/BGPCEP-790 "Use ipv4-address-no-zone" FYI the complete list of Jira items tagged for Mg release can be seen here: https://jira.opendaylight.org/projects/BGPCEP/versions/11207

TSC-246	Hema Gopalakrishnan	Following activities are planned for Genius in the Magnesium release: New Features:- • BFD support for OF Tunnels • CSIT for OF Tunnel BFD Enhancements • OF Tunnel Enhancements • Scale and Performance Improvements • Bug Fixes •
TSC-245	Chetan Arakere Gowdru	Following activities are planned for OVSDB in the Magnesium release: • New Features delete reconciliation support on termination points
TSC-244	Arunprakash D	OpenFlowPlugin project is planning to work on following high level deliverable for the Magnesium release: • New Features ◦ <to-be-updated> • Cluster stability, scale and perf improvements • Bug Fixes • Documentation improvements • Upgrade improvements
TSC-241	Abhinav Gupta	Following activities are planned for Netvirt in the Magnesium release: • New Features ◦ There is no new feature is gone in this release from netvirt application. • Cluster stability, scale and perf improvements • Bug Fixes (It includes the more bug fixes in ELAN, ACL, NAT, L3VPN, IPv6 modules) • Upgrade improvements
TSC-240	Faseela K	The serviceutils project is not planning any major new feature in Magnesium. We will be reactive to any bug fixes required by the projects that depend on us. We will be bumping any required 3rd-party dependencies as well as upstream dependencies.
TSC-239	Faseela K	The infrautils project is not planning any major new feature in Magnesium. We will be reactive to any bug fixes required by the projects that depend on us. We will be bumping any required 3rd-party dependencies. We have no intention of becoming release instead of snapshot integrated in Sodium.
TSC-238	Shaleen Saxena	DAEXIM is a mature project now. We will continue to fix any bugs that are reported. One new feature for consideration is filed as: https://jira.opendaylight.org/browse/DAEXIM-14 It is dependent on: https://jira.opendaylight.org/browse/CONTROLLER-1913 More discussion is needed before we can commit to developing the feature. There are no other features for consideration at this point.
TSC-237	Lori Jakab	The **LISP Flow Mapping** project doesn't actively plan any major new features during the Magnesium release, but will keep the code up to date with platform changes and updates, and will review external contributions.
TSC-236	Luis Gomez	During this release we will work on adjusting the distribution for the new MRI projects as well as the required changes to verify the MRI projects.

TSC-235

Richard Kosegi

Summary

JSONRPC project requests to join the Magnesium release as a Managed Snapshot Integrated project. JSONRPC meets the requirements noted below.

Healthy Community

JSONRPC has been active since Boron release.

Responsiveness

The committers in the JSONRPC team are active and regularly meet every week and also exhibit active code contributions.

Active Committers

There are 5 committers in the JSONRPC team.

TSC Attendance

JSONRPC acknowledges requirement to join TSC meetings at least 50% of time.

Checkpoints Submitted On-Time:

JSONRPC acknowledges to submit checkpoints on time.

Jobs Required for Managed Projects Running:

JSONRPC jobs snapshot : https://jenkins.opendaylight.org/releng/view/jsonrpc/

Depend only on Managed Projects

JSONRPC depends on following core and managed projects

- mdsal
- yangtools
- controller
- odlparent
- aaa
- netconf

Documentation

JSONRPC User Guide and developer documents - https://docs.opendaylight.org/projects/jsonrpc/en/latest/

JSONRPC Team is working on adding more documentation

CLM

JSONRPC acknowledges that it's required to handle Component Lifecycle Violations in a timely manner.

TSC-256	Achuth Maniyedath	Only version bumping activities in progress No new feature development planned for this release. Critical bugs to be fixed will be added later

15 issues