

# Aluminum Release

## OpenDayLight Aluminum Release: Inputs to Marketing Communications

TSC#	Project	PTL	NEW FEATURES or UPDATES in ALUMINIUM
237	LISP Flow Mapping	Lori Jakab <a href="mailto:jakab@gmail.com">lorand.jakab@gmail.com</a>	No new features have been added to the LISP Flow Mapping project.
244	OpenFlowPlugin	Arunprakash D. <a href="mailto:arunprakash@ericsson.com">d.arunprakash@ericsson.com</a>	Following activities has been done in Openflowplugin for Aluminium release: <ul style="list-style-type: none"><li>• Cluster stability, scale and perf improvements</li><li>• Bug Fixes</li><li>• Upgrade improvements</li><li>• Documentation improvements</li></ul>

247

BGPCEP

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PCEP implementation has been updated to comply with RFCs, as detailed in 

↑

BGPCEP-882

- Update PCEP code to latest RFC

RESOLVED

 :

- RFC 8231 & 8232 for Stateful Extension
- RFC 8253 for PCEP TLS secure session
- RFC 8281 for Initiated Extension
- RFC 8408 for Path Setup Type

Full list of issues resolved in Aluminium is here:

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated
<div><div>↑</div></div>	<a href="#">BGPCEP-882</a>	Update PCEP code to latest RFC	Olivier Dugeon	Olivier Dugeon	<div><div>⇅</div></div>	<div>RESOLVED</div>	Done	Oct 17, 2019	Jan 12, 2021
<div><div>↑</div></div>	<a href="#">BGPCEP-916</a>	PCEP does not explain lack of TCP-MD5 availability	Robert Varga	Robert Varga	<div><div>⇅</div></div>	<div>RESOLVED</div>	Done	Jul 22, 2020	Jul 22, 2021
<div><div>⬮</div></div>	<a href="#">BGPCEP-900</a>	BGP: Exception encountered during shutdown	Ajay Lele	Ajay Lele	<div><div>⇅</div></div>	<div>RESOLVED</div>	Done	Mar 24, 2020	May 15, 2020
<div><div>⬮</div></div>	<a href="#">BGPCEP-904</a>	Graph-impl is performing cross-datastore transactions	Olivier Dugeon	Robert Varga	<div><div>📌</div></div>	<div>RESOLVED</div>	Done	Apr 23, 2020	Aug 03, 2020
<div><div>⬮</div></div>	<a href="#">BGPCEP-907</a>	Path computation overrides units	Robert Varga	Robert Varga	<div><div>⇅</div></div>	<div>RESOLVED</div>	Done	Jun 09, 2020	Aug 03, 2020
<div><div>⬮</div></div>	<a href="#">BGPCEP-910</a>	Non ipv4 advertising peer causes BGP session flaps	Vikram Singh Kalakoti	Vikram Singh Kalakoti	<div><div>⇅</div></div>	<div>RESOLVED</div>	Done	Jun 29, 2020	Nov 06, 2023
<div><div>⬮</div></div>	<a href="#">BGPCEP-911</a>	Path Computation crashes	Olivier Dugeon	Olivier Dugeon	<div><div>📌</div></div>	<div>RESOLVED</div>	Done	Jul 09, 2020	Jul 17, 2021
<div><div>⬮</div></div>	<a href="#">BGPCEP-912</a>	Graph documentation error	Olivier Dugeon	Olivier Dugeon	<div><div>⇅</div></div>	<div>RESOLVED</div>	Done	Jul 09, 2020	Jul 17, 2021
<div><div>⬮</div></div>	<a href="#">BGPCEP-913</a>	Path Computation Segment Routing NAI is not conform	Olivier Dugeon	Olivier Dugeon	<div><div>📌</div></div>	<div>RESOLVED</div>	Done	Jul 09, 2020	Jul 17, 2021
<div><div>⬮</div></div>	<a href="#">BGPCEP-915</a>	Controller-exabgp session fails in BGP policy test	Robert Varga	Luis Gomez	<div><div>⇅</div></div>	<div>RESOLVED</div>	Done	Jul 11, 2020	Jul 29, 2021

10 issues

Controller

Robert Varganite@hq.sk

Most notable are non-compatible changes:

- removal of leveledb journal plugin, as detailed in 

↑

CONTROLLER-1414

- Make H2 or some pure javadb the default persistent database for clustering

RESOLVED
- removal of deprecated MD-SAL APIs, as detailed in 

✓

CONTROLLER-1403

- Remove deprecated MD-SAL APIs

RESOLVED

We have two major new features:

- support for incremental datastore journal recovery, as detailed in 

↑

CONTROLLER-1415

- Allow incremental recovery

RESOLVED
- support for compressing datastore snapshots with LZ4, as detailed in 

↑

CONTROLLER-1436

- lz4 compression for snapshots

RESOLVED

Full list of issues resolved in Aluminium is here:

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated
✓	CONTR-1903	Remove deprecated MD-SAL APIs	Robert Varga	Robert Varga	🚫	RESOLVED	Done	Jul 01, 2019	Jan 12, 2020
✓	CONTR-1925	Remove NormalizedNodeInputOutput	Robert Varga	Robert Varga	🔥	RESOLVED	Done	Nov 04, 2019	Apr 27, 2020
✓	CONTR-1940	Remove use of InMemoryDOMDataStoreConfigurationProperties	Robert Varga	Robert Varga	🔥	RESOLVED	Done	May 29, 2020	May 29, 2020
+	CONTR-1913	Add an option to trigger snapshot creation on root overwrites	Tibor Král	Robert Varga	🔥	RESOLVED	Done	Sept 12, 2019	Jun 25, 2020
↑	CONTR-1411	Make H2 or some pure javadb the default persistent database for clustering	Robert Varga	Moiz Raja		RESOLVED	Done	Aug 25, 2015	Jan 12, 2020
↑	CONTR-1915	Allow incremental recovery	Tibor Král	Robert Varga	🔥	RESOLVED	Done	Sept 12, 2019	Jan 12, 2020
↑	CONTR-1932	Provide support for Root DTCL reacting to all modifications even in sharded datastore	Tibor Král	Tibor Král	🔥	RESOLVED	Done	Apr 01, 2020	Jun 25, 2020
↑	CONTR-1936	Iz4 compression for snapshots	Tadey Bilan	Tadey Bilan	🔥	RESOLVED	Done	May 27, 2020	Jan 12, 2020
↑	CONTR-1949	Add option to disable default ActorSystemQuarantinedEvent handling	Tibor Král	Tibor Král	🔥	RESOLVED	Done	Jun 22, 2020	Jun 22, 2020
↑	CONTR-1951	Eliminate TransactionContext.executeModification()	Robert Varga	Robert Varga	🔥	RESOLVED	Done	Jun 25, 2020	Jun 26, 2020
🔴	CONTR-1927	Transaction can become stuck in COMMIT_PENDING when a node flaps leader -> follower -> leader	Tomas Cere	Tomas Cere	🔥	RESOLVED	Done	Jan 17, 2020	Apr 27, 2020
🔴	CONTR-1929	Propagate TimeoutException if ActorSystem fails to terminate in time	Tibor Král	Tibor Král	🔥	RESOLVED	Done	Feb 06, 2020	Apr 27, 2020
🔴	CONTR-1934	DeleteEntries persists with wrong index	Tadey Bilan	Tadey Bilan	🔥	RESOLVED	Done	May 13, 2020	May 25, 2020
🔴	CONTR-1935	Do not bump term on isolated Followers	Tomas Cere	Tomas Cere	🔥	RESOLVED	Done	May 19, 2020	May 25, 2020

			<div> <div> </div> <div> <div>CONTR OLLER-1941</div> <div>Controller does not quarantine on isolation /unisolation in cluster</div> </div> <div> <div>Tejas Nevrekar</div> <div>Tejas Nevrekar</div> </div> <div> </div> <div> <div>RESOLVED</div> <div>Done</div> </div> <div> <div>Jun 01, 2020</div> <div>Jun 02, 202</div> </div> </div>
			<div> <div> </div> <div> <div>CONTR OLLER-1943</div> <div>InstanceAlreadyExistsException is reported during sal-remoterpc-connector startup</div> </div> <div> <div>Robert Varga</div> <div>Robert Varga</div> </div> <div> </div> <div> <div>RESOLVED</div> <div>Done</div> </div> <div> <div>Jun 03, 2020</div> <div>Jun 12, 202</div> </div> </div>
			<div> <div> </div> <div> <div>CONTR OLLER-1945</div> <div>controller-csit-3node-clustering-ask-all-aluminium broken for Aluminium</div> </div> <div> <div>Robert Varga</div> <div>Jamo Luhrsen</div> </div> <div> </div> <div> <div>RESOLVED</div> <div>Done</div> </div> <div> <div>Jun 09, 2020</div> <div>Jun 10, 202</div> </div> </div>
			<div> <div> </div> <div> <div>CONTR OLLER-1947</div> <div>No implementation of RPC AbsoluteSchemaPath</div> </div> <div> <div>Robert Varga</div> <div>Jamo Luhrsen</div> </div> <div> </div> <div> <div>RESOLVED</div> <div>Done</div> </div> <div> <div>Jun 10, 2020</div> <div>Jun 11, 202</div> </div> </div>
			<div> <div> </div> <div> <div>CONTR OLLER-1950</div> <div>CDS frontend incorrectly handles root overwrite with multiple shards</div> </div> <div> <div>Robert Varga</div> <div>Tibor Král</div> </div> <div> </div> <div> <div>RESOLVED</div> <div>Done</div> </div> <div> <div>Jun 25, 2020</div> <div>Jun 26, 202</div> </div> </div>
			<div> <div>19 issues</div> </div>
			<div>Controller project has also transitioned to being Managed Release Integrated, allowing us to expedite the process of getting new features and bugfixing to our users.</div>
238	Daexim	<div>Richard Kosegi</div> <div>richard.kosegi@gmail.com</div>	<div>No new features were introduced</div> <div>No known bugs has been found</div>
241	Netvirt	<div>Karthikeyan Krishnan</div> <div>karthikeyangceb007@gmail.com</div>	<ul style="list-style-type: none"> <li>ManagedNewTransactionRunner and related interface has been migrated to MD-SAL API and removed GENIUS UTIL dependency in netvirt project.</li> <li>Cluster stability, scale and performance improvements</li> <li>Multiple bug fixes across ELAN, ACL, NAT, L3VPN, IPv6 modules for robustness, scale and stability</li> <li>Upgrade improvements</li> </ul>
246	Genius	<div>Hema Gopalakrishnan</div> <div>hema.gopalkrishnan@ericsson.com</div>	<div>Following activities were done for Aluminium release</div> <ul style="list-style-type: none"> <li>ManagedNewTransactionRunner was migrated to MD-SAL API.</li> <li>OF Tunnel Improvements</li> <li>Bug fixes were done in ITM, IFM, ID Manager</li> </ul>
245	OVSDB	<div>Chetan Arakere</div> <div>chetan.arakere@altenciosoftlabs.com</div>	<ul style="list-style-type: none"> <li>Removed references to Deprecated MD-SAL API's and Eliminated Duplicate Controller MD-SAL code</li> </ul> <div> <div>OVSDB-487 - Migrate to MD-SAL APIs</div> <div>RESOLVED</div> </div> <div> <div>OVSDB-495 - Eliminate ControllerMdsalUtils et al.</div> <div>RESOLVED</div> </div> <ul style="list-style-type: none"> <li>HWVTEP disconnect command support from ODL for L2GW.</li> <li>Multiple bug fixes in hwvtep &amp; ovssdb modules for robustness, scale and stability.</li> </ul>
236	Integration-Distribution	<div>Luis Gomez</div> <div>ecelgp@gmail.com</div>	
240	ServiceUtils	<div>Faseela K.</div> <div>faseela@gmail.com</div>	
252	NETCONF	<div>Robert Varga</div> <div>nite@hq.sk</div>	<div>New features:</div> <ul style="list-style-type: none"> <li>support for Server Sent Events in RFC8040 RESTCONF</li> <li>support for RSA keys with SHA-256/SHA512 in NETCONF (RFC8332)</li> <li>APIDOC explorer was upgraded from Swagger 1.2 to OpenAPI 3.0</li> </ul> <div>We have also significantly improved NETCONF throughput when faced with large messages.</div> <div>Full list of issues resolved in Aluminium is here:</div>

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated
✓	NETCO NF-671	Eliminate duplicate SchemaRepositoryProviderImpl	Robert Varga	Robert Varga	🔴	RESOLVED	Done	Apr 23, 2020	Apr 24, 2020
↑	NETCO NF-641	Allow SshClient configuration to be tuned by netconf-client users	Tibor Král	Robert Varga	🔴	RESOLVED	Done	Sept 13, 2019	May 25, 2020
↑	NETCO NF-643	NetconfMessageToXmlEncoder can leak sensitive data	Robert Varga	Robert Varga	🔴	RESOLVED	Done	Sept 13, 2019	Jun 05, 2020
↑	NETCO NF-665	Differentiate authentication failures from other session setup failures	Robert Varga	Robert Varga	🔴	RESOLVED	Done	Apr 17, 2020	Apr 21, 2020
↑	NETCO NF-672	Refactor SchemaRepositoryProvider into its own component	Robert Varga	Robert Varga	🔴	RESOLVED	Done	Apr 24, 2020	Apr 28, 2020
↑	NETCO NF-674	Eliminate use of AsyncSshHandlerReader	Robert Varga	Robert Varga	🔴	RESOLVED	Done	Apr 25, 2020	Jun 05, 2020
↑	NETCO NF-677	Shade minasshd	Robert Varga	Robert Varga	🔴	RESOLVED	Done	Apr 27, 2020	Jun 12, 2020
↑	NETCO NF-679	RESTCONF RFC8040 compliance: SSE support	Lukas Baca	Valentin Mayamsin	🔴	RESOLVED	Done	Apr 29, 2020	Aug 03, 2020
↑	NETCO NF-687	Update swagger generator from Swagger 1.2 to OpenAPI 3.0	Ilya Igushev	Ilya Igushev	🔴	RESOLVED	Done	May 14, 2020	Sept 17, 2020
↑	NETCO NF-706	Add support of new a NetconfDataService in clustered netconf	Vladyslav Marchenko	Vladyslav Marchenko	🔴	RESOLVED	Done	Jun 26, 2020	Dec 14, 2023
🔴	NETCO NF-125	connection-timeout-milliseconds parameter is not working properly for ssh connections	Sarguna Dharani	Jakub Morvay		RESOLVED	Done	Jan 13, 2016	May 12, 2021
🔴	NETCO NF-338	NETCONF southbound requires notifications. yang model to be present on the device	Vladyslav Marchenko	Robert Varga	🔴	RESOLVED	Done	Jan 19, 2017	Jan 29, 2020
🔴	NETCO NF-380	Conflicting modification for path /(urn:ietf:params:xml:ns:yang:ietf-restconf-monitoring?revision=2017-01-26) restconf-state	Jamo Luhrsén	Claudio David Gasparini		RESOLVED	Cannot Reproduce	Mar 24, 2017	May 20, 2020



256	Neutron	<div>Achuth Maniyed ath</div> <div>achuth.maniyedath@gmail.com</div>	<div><ul style="list-style-type: none"><li>Introduce MD-SAL APIs</li><li>Critical bug fixes</li></ul></div>																														
239	Infrautils	<div>Robert Varga</div> <div>rnte@hq.sk</div>	<div>This release brought in various internal cleanups and corrections, without end-user visible changes.</div> <div>Full list of issues resolved in Aluminium is here:</div> <table><tr><th>T</th><th>Key</th><th>Summary</th><th>Assignee</th><th>Reporter</th><th>P</th><th>Status</th><th>Resolution</th><th>Created</th><th>Updated</th></tr><tr><td></td><td>INFRAU TILS-40</td><td>Bump dropwizard metrics from 4.0.2 to 5.0.0 (or at least 4.1.0) when available</td><td>Robert Varga</td><td>Michael Vorburger</td><td></td><td>RESOLVED</td><td>Done</td><td>May 24, 2018</td><td>Jul 23, 2021</td></tr><tr><td></td><td>INFRAU TILS-53</td><td>The errorprone setup doesn't support JDK 9+</td><td>Robert Varga</td><td>Stephen Kitt</td><td></td><td>RESOLVED</td><td>Done</td><td>Sept 24, 2018</td><td>Jul 23, 2021</td></tr></table> <div>2 issues</div> <div>Infrautils project has also transitioned to being Managed Release Integrated, allowing us to expedite the process of getting new features and bugfixing to our users.</div>	T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated		INFRAU TILS-40	Bump dropwizard metrics from 4.0.2 to 5.0.0 (or at least 4.1.0) when available	Robert Varga	Michael Vorburger		RESOLVED	Done	May 24, 2018	Jul 23, 2021		INFRAU TILS-53	The errorprone setup doesn't support JDK 9+	Robert Varga	Stephen Kitt		RESOLVED	Done	Sept 24, 2018	Jul 23, 2021
T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated																								
	INFRAU TILS-40	Bump dropwizard metrics from 4.0.2 to 5.0.0 (or at least 4.1.0) when available	Robert Varga	Michael Vorburger		RESOLVED	Done	May 24, 2018	Jul 23, 2021																								
	INFRAU TILS-53	The errorprone setup doesn't support JDK 9+	Robert Varga	Stephen Kitt		RESOLVED	Done	Sept 24, 2018	Jul 23, 2021																								
251	DetNet	<div>Quan Xiong</div> <div>xiong.quan@zte.com.cn</div>																															
235	JSONRPC	<div>Richard Kosegi</div> <div>richard.kosegi@gmail.com</div>	<div>New features:</div> <div><div> <b>JSONRPC-43</b> - Cluster support</div> RESOLVED</div> <div><div> <b>JSONRPC-45</b> - Create testtool</div> RESOLVED</div> <div>Enhancements:</div> <div><div> <b>JSONRPC-44</b> - Publish operational state even in case of failure</div> VERIFIED</div> <div><div> <b>JSONRPC-37</b> - Add support for both positional and named arguments in RPCs</div> VERIFIED</div> <div>Known/unresolved bugs:</div> <div><div> <b>JSONRPC-52</b> - RPC implementation not available in cluster</div> RESOLVED</div> <div><div> <b>JSONRPC-50</b> - Inband schema provider require YangXPathParserFactory</div> RESOLVED</div>																														

N/A

ODL parent

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New feature:

allow sensitive messages to be marked as such and stored in a separate log file, as detailed in

ODLPARENT-234

Create artifact providing set of log4j Markers for filtering logs in unified way

RESOLVED

Full list of issues resolved in Aluminium is here:

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated
	ODLPA-RENT-204	Bump scala to 2.13.1	Robert Varga	Robert Varga		RESOLVED	Done	Aug 01, 2019	Feb 21, 2020
	ODLPA-RENT-212	Remove guice declarations	Robert Varga	Robert Varga		RESOLVED	Done	Oct 01, 2019	Feb 11, 2020
	ODLPA-RENT-213	Remove odl-akka-leveldb	Robert Varga	Robert Varga		RESOLVED	Done	Oct 01, 2019	Feb 11, 2020
	ODLPA-RENT-215	Upgrade mockito to 3.x	Robert Varga	Robert Varga		RESOLVED	Done	Oct 17, 2019	Mar 24, 2020
	ODLPA-RENT-217	Remove non-annotation immutables.org dependency	Robert Varga	Robert Varga		RESOLVED	Done	Nov 04, 2019	Feb 11, 2020
	ODLPA-RENT-222	Upgrade to Google Truth 1.0.0+	Robert Varga	Robert Varga		RESOLVED	Done	Jan 20, 2020	Feb 11, 2020
	ODLPA-RENT-208	Upgrade to Jersey 2.27+	Robert Varga	Robert Varga		RESOLVED	Done	Aug 27, 2019	Jul 17, 2020
	ODLPA-RENT-224	Update to Guava 28+	Robert Varga	Robert Varga		RESOLVED	Done	Feb 10, 2020	Feb 19, 2020
	ODLPA-RENT-227	Add SCR to default karaf profile	Robert Varga	Robert Varga		RESOLVED	Done	Feb 27, 2020	Mar 03, 2020
	ODLPA-RENT-231	Create artifact providing set of log4j Markers for filtering logs in unified way	Tibor Král	Tibor Král		RESOLVED	Done	Apr 24, 2020	Jan 12, 2021
	ODLPA-RENT-179	SFT seems to hang for ~30 seconds after finishing the test	Robert Varga	Robert Varga		RESOLVED	Done	Dec 13, 2018	Jun 19, 2020
	ODLPA-RENT-228	SFT contains errors around OsgiLocator	Robert Varga	Robert Varga		RESOLVED	Done	Mar 04, 2020	Jun 15, 2020
	ODLPA-RENT-229	maven-javadoc-plugin 3.2.0 breaks javadoc-verify jobs	Robert Varga	Robert Varga		RESOLVED	Done	Apr 08, 2020	Apr 08, 2020
	ODLPA-RENT-236	Upgrade Felix SCR to 2.1.18 +	Robert Varga	Robert Varga		RESOLVED	Done	Dec 04, 2019	Jun 04, 2020
	ODLPA-RENT-240	Netty native-epoll is biased to aarch64	Robert Varga	Robert Varga		RESOLVED	Done	Jul 22, 2020	Jul 22, 2020

15 issues

Potentially-incompatible changes:

Boolean type parsing in JSON and XML has been tightened to not accept strings like "TRUE", as detailed in

YANGTOOLS-1097

Boolean/String union parsing results in wrong type

RESOLVED

N/A

YANG Tools

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New features:

- XML/JSON parser error reports now include YANG constraints which were violated, as detailed in [YANGTOOLS-763](#) - yang-data-codecs: improve validation error reporting
- YANG parser will now completely validate XPath expressions used in models, as detailed in [YANGTOOLS-1085](#) - Fully validate XPath expressions RESOLVED

Full list of issues resolved in Aluminium is here:

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated
✓	YANGT OOLS-1091	Reduce diagnostic use of SchemaNode.getPath()	Robert Varga	Robert Varga	⚡	RESOLVED	Done	Mar 27, 2020	Apr 10, 2020
✓	YANGT OOLS-1102	EffectiveModel Context is not propagated through mountpoints	Robert Varga	Robert Varga	🛑	RESOLVED	Done	Apr 23, 2020	Apr 24, 2020
📌	YANGT OOLS-761	Remove SchemaNode.hashCode()/equals()	Robert Varga	Robert Varga		RESOLVED	Done	Mar 22, 2017	Apr 10, 2020
📌	YANGT OOLS-1069	Deprecate SchemaNode.getPath()	Robert Varga	Robert Varga	⚡	RESOLVED	Done	Jan 15, 2020	Mar 26, 2020
📌	YANGT OOLS-1076	Trim down SchemaPath size	Robert Varga	Robert Varga	⚡	RESOLVED	Done	Jan 22, 2020	Feb 12, 2020
📌	YANGT OOLS-1082	Stop phase completion early	Robert Varga	Robert Varga	⚡	RESOLVED	Done	Feb 14, 2020	Feb 17, 2020
+	YANGT OOLS-1085	Fully validate XPath expressions	Robert Varga	Robert Varga	⚡	RESOLVED	Done	Feb 21, 2020	May 03, 2022
↑	YANGT OOLS-176	Introduce YANGException & YANGError interface	Robert Varga	Tony Tkacik		RESOLVED	Done	May 30, 2014	Apr 10, 2020
↑	YANGT OOLS-763	yang-data-codecs: improve validation error reporting	Tadey Bilan	Robert Varga		RESOLVED	Done	Mar 22, 2017	Apr 10, 2020
↑	YANGT OOLS-908	DeclaredState ment. argument() nullness is ambiguous	Robert Varga	Robert Varga	⚡	RESOLVED	Done	Oct 05, 2018	Feb 03, 2020
↑	YANGT OOLS-1014	Add DataTreeCandidates.aggregate() method	Tadey Bilan	Robert Varga	⚡	RESOLVED	Done	Aug 06, 2019	Apr 10, 2020
↑	YANGT OOLS-1056	Enable SpotBugs enforcement in yang-parser-rfc7950	Robert Varga	Robert Varga	⚡	RESOLVED	Done	Dec 25, 2019	Mar 25, 2020
↑	YANGT OOLS-1058	Add OrderedByStatement. Ordering enum	Robert Varga	Robert Varga	⚡	RESOLVED	Done	Dec 28, 2019	Jan 22, 2020
↑	YANGT OOLS-1068	Drop SchemaNode Set-returning methods to return Collection	Robert Varga	Robert Varga	⚡	RESOLVED	Done	Jan 13, 2020	Oct 28, 2020

↑	YANGT OOLS-1072	Refactor BitsTypeDefinition.Bit and its implementations	Robert Varga	Robert Varga	⚡	RESOLVED	Done	Jan 16, 2020	Oct 28, 2020
↑	YANGT OOLS-1073	PositionStatement should use UInt32 argument	Robert Varga	Robert Varga	⚡	RESOLVED	Done	Jan 16, 2020	Feb 11, 2020
↑	YANGT OOLS-1078	Copy only SchemaTreeEffectiveStatements in UsesStatementSupport	Robert Varga	Robert Varga	⚡	RESOLVED	Done	Feb 02, 2020	Aug 23, 2020
↑	YANGT OOLS-1079	Audit, optimize and explicitly test YANG string unescaping	Vladyslav Marchenko	Robert Varga	⚡	RESOLVED	Done	Feb 12, 2020	Apr 11, 2020
↑	YANGT OOLS-1083	Cleanup SchemaModel identifier and its use	Robert Varga	Robert Varga	⚡	RESOLVED	Done	Feb 17, 2020	Feb 17, 2020
↑	YANGT OOLS-1084	Do not use SchemaPath in UsesNode /Augmentation SchemaNode /Deviation properties	Robert Varga	Robert Varga	⚡	RESOLVED	Done	Feb 17, 2020	Feb 22, 2020

Showing 20 out of 38 issues

N/A	MD-SAL	Robert Varga nite@hq.sk	There are a number of developer-visible changes as well as scalability improvements. Full list of issues resolved in Aluminium is here:						
T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated
✓	MDSAL-450	Squash empty lists/maps into nulls	Robert Varga	Robert Varga	⚡	RESOLVED	Done	May 21, 2019	Dec 28, 2019
✓	MDSAL-451	Squash Builder-based implementations' empty lists to null	Robert Varga	Robert Varga	⚡	RESOLVED	Done	May 21, 2019	Apr 22, 2020
✓	MDSAL-452	Treat empty DOM lists as non-existent	Robert Varga	Robert Varga	⚡	RESOLVED	Done	May 21, 2019	Apr 21, 2020
✓	MDSAL-535	Remove ietf-lisp-address-types	Robert Varga	Robert Varga	⚡	RESOLVED	Done	Apr 17, 2020	Apr 17, 2020
✓	MDSAL-536	Remove iana-afn-safi	Robert Varga	Robert Varga	⚡	RESOLVED	Done	Apr 17, 2020	Apr 17, 2020
✓	MDSAL-537	Remove draft-ietf-netmod-acl-model-07 models	Robert Varga	Robert Varga	⚡	RESOLVED	Done	Apr 17, 2020	Apr 17, 2020
✓	MDSAL-543	Move benchmark-data-store from controller to mdsal	Robert Varga	Robert Varga	⚡	RESOLVED	Done	Apr 27, 2020	May 07, 2020
✓	MDSAL-556	Backport DataBrokerTestModule	Robert Varga	Robert Varga	⚡	RESOLVED	Done	May 29, 2020	May 29, 2020
✓	MDSAL-557	Backport binding MDSAL tests from controller	Robert Varga	Robert Varga	⚡	RESOLVED	Done	May 29, 2020	May 29, 2020

				MDSAL-521	Eliminate blueprint from mdsal-dom-broker	Robert Varga	Robert Varga		RESOLVED	Done	Feb 29, 2020	Apr 16, 2020
				MDSAL-525	Eliminate blueprint from mdsal-binding-dom-adapter	Robert Varga	Robert Varga		RESOLVED	Done	Feb 29, 2020	Apr 16, 2020
				MDSAL-507	Add odl-uint24 model and netty support	Robert Varga	Robert Varga		RESOLVED	Done	Jan 04, 2020	Jan 04, 2020
				MDSAL-198	Augmentable's Builder addAugmentati on variant without first class argument	Robert Varga	Michael Vorburger		RESOLVED	Done	Sept 16, 2016	Jul 19, 2020
				MDSAL-235	[INFO] Failed to fully assemble schema context for [...]	Robert Varga	Michael Vorburger		RESOLVED	Done	Mar 08, 2017	Feb 28, 2020
				MDSAL-303	Do not allow null RPC input in invocation paths	Robert Varga	Robert Varga		RESOLVED	Done	Jan 26, 2018	Jun 03, 2020
				MDSAL-368	mdsal-binding-dom-adapter has a wrong runtime dependency to mdsal-dom-inmemory-datastore which is only needed for testing	Robert Varga	Michael Vorburger		RESOLVED	Duplicate	Sept 06, 2018	Jun 16, 2020
				MDSAL-434	Fix unordered keyed list mapping	Robert Varga	Robert Varga		RESOLVED	Done	Apr 09, 2019	Apr 23, 2020
				MDSAL-435	Expose EffectiveModel Context from DOMSchemaService	Robert Varga	Robert Varga		RESOLVED	Done	Apr 10, 2019	Apr 23, 2020
				MDSAL-492	Annotate type wrapper objects' getValue() as @NonNull	Robert Varga	Robert Varga		RESOLVED	Done	Nov 21, 2019	Apr 22, 2020
				MDSAL-508	Add HexString /DottedQuad /Uuid support to letfYangUtils	Robert Varga	Robert Varga		RESOLVED	Done	Jan 05, 2020	Jan 05, 2020
			Showing 20 out of 51 issues									
N/A	Plastic	Allan Clarke <a href="mailto:aclarke@pobox.com">aclarke@pobox.com</a>										
N/1	TransportPCE	Guillaume Lambert <a href="mailto:lambert@orange.com">lambert@orange.com</a>	The Aluminium release completes TransportPCE support of OTN (Optical Transport Network that was partially introduced in Magnesium) with a consolidated end-to-end service management. A few bug fixes and improvements and an experimental support of Flexgrid are also proposed, paving the way towards higher rate (beyond 100Gbps) service p Flexgrid compliant path calculation and configuration of flexible high rate interfaces will be added over the Aluminium release train.									

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
<a href="#">TSC-279</a>		Achuth Maniyedath	<p>Activities planned</p> <p>version bumping for Aluminium</p> <p>BGPVPN network association and BGPVPN router association models to be introduced as the existing bgpvpn model used for multi network / router associations result in data being overwritten</p> <p>Dependency validation for neutron resources</p> <p>Critical bug fixes</p>
<a href="#">TSC-277</a>		Luis Gomez	<p>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.</p>
<a href="#">TSC-276</a>		Jamo Luhrsen	<p>NETCONF release plan status can be found by looking at it's <a href="#">release page in jira</a></p> <p>The plan is best effort and subject to change.</p> <p>At the time of this TSC ticket creation, the following NETCONF tickets are listed:</p>

T	Key	Summary
	<a href="#">NETCONF-425</a>	connection-timeout-milliseconds parameter is not working properly for ssh connections
	<a href="#">NETCONF-389</a>	Conflicting modification for path /(urn:ietf:params:xml:ns:yang:ietf-restconf-monitoring?revision=2017-01-26)restconf-state
	<a href="#">NETCONF-474</a>	ListenerAdapter needs to serialize JSON directly
	<a href="#">NETCONF-686</a>	CSIT regression in netconf-csit-1node-scale-only-sodium
	<a href="#">NETCONF-338</a>	NETCONF southbound requires notifications.yang model to be present on the device
	<a href="#">NETCONF-669</a>	Separate out schemaless mountpoints
	<a href="#">NETCONF-674</a>	Eliminate duplicate SchemaRepositoryProviderImpl
	<a href="#">NETCONF-672</a>	Refactor SchemaRepositoryProvider into its own component
	<a href="#">NETCONF-675</a>	Non-clustered NETCONF topology leaks schema registrations
	<a href="#">NETCONF-683</a>	Mountpoints cannot connect due to BaseSchema failing to initialize
	<a href="#">NETCONF-499</a>	Support for Root Resource Discovery is missing
	<a href="#">NETCONF-568</a>	NetconfMessageTransformer action/rpc empty reply
	<a href="#">NETCONF-599</a>	Refactor NETCONF transport layer
	<a href="#">NETCONF-603</a>	Attribute prefix binding warning encountered with RESTCONF
	<a href="#">NETCONF-605</a>	Support cache refresh without restart of ODL
	<a href="#">NETCONF-638</a>	Termination of NetConf Sessions
	<a href="#">NETCONF-644</a>	Allow SshClient configuration to be tuned by netconf-client users
	<a href="#">NETCONF-643</a>	NetconfMessageToXmlEncoder can leak sensitive data
	<a href="#">NETCONF-644</a>	standard edit-config fails when module augmenting base netconf has been retrieved from device
	<a href="#">NETCONF-653</a>	callhome device with the duplicate ssh host key should be denied
	<a href="#">NETCONF-664</a>	The ConcurrentModificationException was found in the websocket test in restconf-nb-rfc8040.
	<a href="#">NETCONF-665</a>	Differentiate authentication failures from other session setup failures
	<a href="#">NETCONF-674</a>	Eliminate AsyncSshHandlerReader
	<a href="#">NETCONF-677</a>	Shade mina-sshd
	<a href="#">NETCONF-682</a>	RFC8040 compliance - wrong URI returns incorrect HTTP status
	<a href="#">NETCONF-685</a>	Apidoc explorer is not able to list mountpoint content (RFC8040)

TSC-274

Venkatrangan  
Govindarajan

TSC-270

Ajay Lele

No feature development planned beyond regular maintenance

TSC-269	Ajay Lele	<p>For bgpcep project, apart from regular maintenance (bug-fixes, etc.) we plan to work on below features/enhancements in Aluminium release:</p> <ol style="list-style-type: none"> <li>1. Add support for: Advertising Segment Routing Policies in BGP (<a href="#">BGPCEP-833</a>)</li> <li>2. Remove OSGi dependency from bgpcep modules</li> <li>3. Enhance the Path Computation Algorithms: Point2MultiPoint, Path Diversity, take into account IRO, XRO &amp; Objective function</li> <li>4. Update code to be conform to latest RFC8231 (Stateful), RFC8281 (Initiate), RFC8664 (Segment Routing) and drafts (PCEP Capabilities, Association Group, etc.)</li> <li>5. Add Extended Metrics support to Link State Topology</li> <li>6. Add JSON payloads in RESTCONF examples in addition to XML</li> <li>7. Add Path Manager Service to complement Path Computation support</li> <li>8. Add support to RFC5441 (Backward Recursive Path Computation) for multi-domain scenario</li> <li>9. Support for BGP Persistence</li> </ol>
TSC-266	Arunprakash D	<p>Following activities are planned for Openflowplugin in the Aluminium release:</p> <ul style="list-style-type: none"> <li>• New Features <ul style="list-style-type: none"> <li>◦ New CLI additions</li> <li>◦ &lt;TBD&gt;</li> </ul> </li> <li>• Cluster stability, scale and perf improvements</li> <li>• Bug Fixes</li> <li>• Upgrade improvements</li> <li>• Documentation improvements</li> </ul>
TSC-264	Chetan Arakere Gowdru	<p>Following activities are planned for Ovsdb in the Magnesium release:</p> <ul style="list-style-type: none"> <li>• New Features <ul style="list-style-type: none"> <li>◦ &lt;TBD&gt;</li> </ul> </li> <li>• Cluster stability, scale and perf improvements</li> <li>• Bug Fixes</li> <li>• Upgrade improvements</li> </ul>
TSC-263	Richard Kosegi	<p>Following work items are planed for Aluminium release:</p> <ul style="list-style-type: none"> <li>• Modularization (split) of provider module <a href="https://jira.opendaylight.org/browse/JSONRPC-39">https://jira.opendaylight.org/browse/JSONRPC-39</a></li> <li>• Refactoring of Netty pipeline <a href="https://jira.opendaylight.org/browse/JSONRPC-42">https://jira.opendaylight.org/browse/JSONRPC-42</a></li> <li>• Interceptors <a href="https://jira.opendaylight.org/browse/JSONRPC-35">https://jira.opendaylight.org/browse/JSONRPC-35</a></li> </ul>
TSC-262	Faseela K	<p>The serviceutils project is not planning any major new feature in Aluminium.</p> <p>We will be reactive to any bug fixes required by the projects that depend on us.</p> <p>We will be bumping any required 3rd-party dependencies as well as upstream dependencies.</p>
TSC-261	Faseela K	<p>The infrautils project is not planning any major new feature in Aluminum.</p> <p>We will be reactive to any bug fixes required by the projects that depend on us.</p> <p>We will be bumping any required 3rd-party dependencies.</p> <p>We have no intention of becoming release instead of snapshot integrated in Sodium.</p>
TSC-260	Karthikeyan Krishnan	<p>Following activities are planned for Netvirt in the Aluminium release:</p> <ul style="list-style-type: none"> <li>• <b>New Features</b> <ul style="list-style-type: none"> <li>◦ There is no new feature is gone in this release from netvirt application.</li> </ul> </li> <li>• ManagedNewTransactionRunner and related interface has been migrated to MD-SAL API and removed GENIUS UTIL dependency in netvirt project.</li> <li>• Cluster stability, scale and performance improvements</li> <li>• <b>Bug Fixes</b> (It includes the more bug fixes in ELAN, ACL, NAT, L3VPN, IPv6 modules)</li> <li>• Upgrade improvements</li> <li>• *</li> </ul>