

DMaaP R2 Beijing Release Plan

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Overview

Project Name	Data movement as a platform
Target Release Name	Beijing Release
Project Lifecycle State	Incubation (Refer to ONAP Charter, section 3.3 Project Lifecycle for further information)
Participating Company	AT&T, Tech Mahindra

Scope

What is this release trying to address?

AAF integration with Message Router, Data Router, and Bus Controller will be added to the DMaaP and some enhancements to the DMaaP client.

Use Cases

The existing Amsterdam use cases are still going to be supported and additional use cases related to DR and Bus Controller will be supported for the Beijing Release.

Minimum Viable Product

For Beijing release, the minimum viable product we are targeting is integrating AAF with the Message Router, sending and receiving messages using Data router, and provisioning topics and feeds via Bus Controller.

Functionalities

List the functionalities that this release is committing to deliver by providing a link to JIRA Epics and Stories. In the JIRA Priority field, specify the priority (either High, Medium, Low). The priority will be used in case de-scoping is required. Don't assign High priority to all functionalities.

Epics

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
DMAAP-1898	Release Candidate		Oct 30, 2023	Oct 30, 2023	Nov 09, 2023	Unassigned	None	==	OPEN	Unresolved
DMAAP-1887	Release Candidate		May 05, 2023	May 05, 2023	Apr 20, 2023	Unassigned	None	==	OPEN	Unresolved
DMAAP-1884	Release Sign Off		May 05, 2023	May 05, 2023	May 11, 2023	Unassigned	None	==	OPEN	Unresolved
DMAAP-1877	Feature Freeze		Mar 30, 2023	Mar 30, 2023	Mar 23, 2023	Unassigned	None	==	OPEN	Unresolved
DMAAP-1867	Finalized Code Submission		Feb 10, 2023	Feb 10, 2023	Mar 02, 2023	Unassigned	None	==	OPEN	Unresolved
DMAAP-1858	Specification Freeze		Jan 13, 2023	Feb 09, 2023	Feb 09, 2023	Unassigned	None	==	REOPENED	Done
DMAAP-1835	Common strategy for apps to migrate to kafka native		Nov 07, 2022	Jun 27, 2023		Unassigned	None	==	OPEN	Unresolved
DMAAP-1829	Global Requirements Approval		Nov 03, 2022	Dec 15, 2022	Dec 01, 2022	Unassigned	None	==	CLOSED	Done
DMAAP-1825	Global Requirements Approval		Nov 03, 2022	Nov 03, 2022	Jun 09, 2022	Unassigned	None	==	CLOSED	Won't Do
DMAAP-1821	Release Sign Off		Oct 27, 2022	Nov 30, 2022	Nov 10, 2022	Unassigned	None	==	CLOSED	Done
DMAAP-1779	Release Candidate		Oct 03, 2022	Oct 25, 2022	Oct 20, 2022	Unassigned	None	==	CLOSED	Done
DMAAP-1768	Feature Freeze		Sep 02, 2022	Sep 02, 2022	Sep 15, 2022	Unassigned	None	==	OPEN	Unresolved
DMAAP-1759	Finalized Code Submission		Jul 19, 2022	Jul 19, 2022	Sep 01, 2022	Unassigned	None	==	OPEN	Unresolved
DMAAP-1749	Specification Freeze		Jun 27, 2022	Jun 27, 2022	Jun 30, 2022	Unassigned	None	==	OPEN	Unresolved
DMAAP-1744	Move SDC and clients to use Strimzi Kafka		May 17, 2022	Jun 22, 2023		Unassigned	None	==	CLOSED	Done
DMAAP-1741	Release Sign Off		May 16, 2022	Oct 19, 2022	May 05, 2022	Unassigned	None	==	OPEN	Unresolved
DMAAP-1737	Global Requirements Approval		May 09, 2022	May 09, 2022	May 26, 2022	Unassigned	None	==	OPEN	Unresolved
DMAAP-1729	Release Candidate		Mar 31, 2022	Oct 19, 2022	Apr 21, 2022	Unassigned	None	==	OPEN	Unresolved
DMAAP-1716	Feature Freeze		Mar 12, 2022	Oct 19, 2022	Mar 17, 2022	Unassigned	None	==	OPEN	Unresolved
DMAAP-1707	Finalized Code Submission		Feb 04, 2022	Oct 19, 2022	Mar 03, 2022	Unassigned	None	==	OPEN	Unresolved

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Stories

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
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No issues found

Longer term roadmap

DMaaP is a premier platform for high performing and cost effective data movement services that transports and processes data from any source to any target with the format, quality, security, and concurrency required to serve the business and customer needs.

Release Deliverables

Deliverable Name	Deliverable Description
AAF integration with Data Router	DMaap Git repository
Data Router source code	DMaap Git repository
Data Router library	ONAP Nexus repository
Data Router API description	ONAP wiki
Data Router Release Notes	ONAP wiki
Data Router Documentation	DMaap Git repository
Bus Controller API	DMaaP Git repo
Bus Controller Container	ONAP Nexus repo
Bus Controller source code	DMaaP Git repo

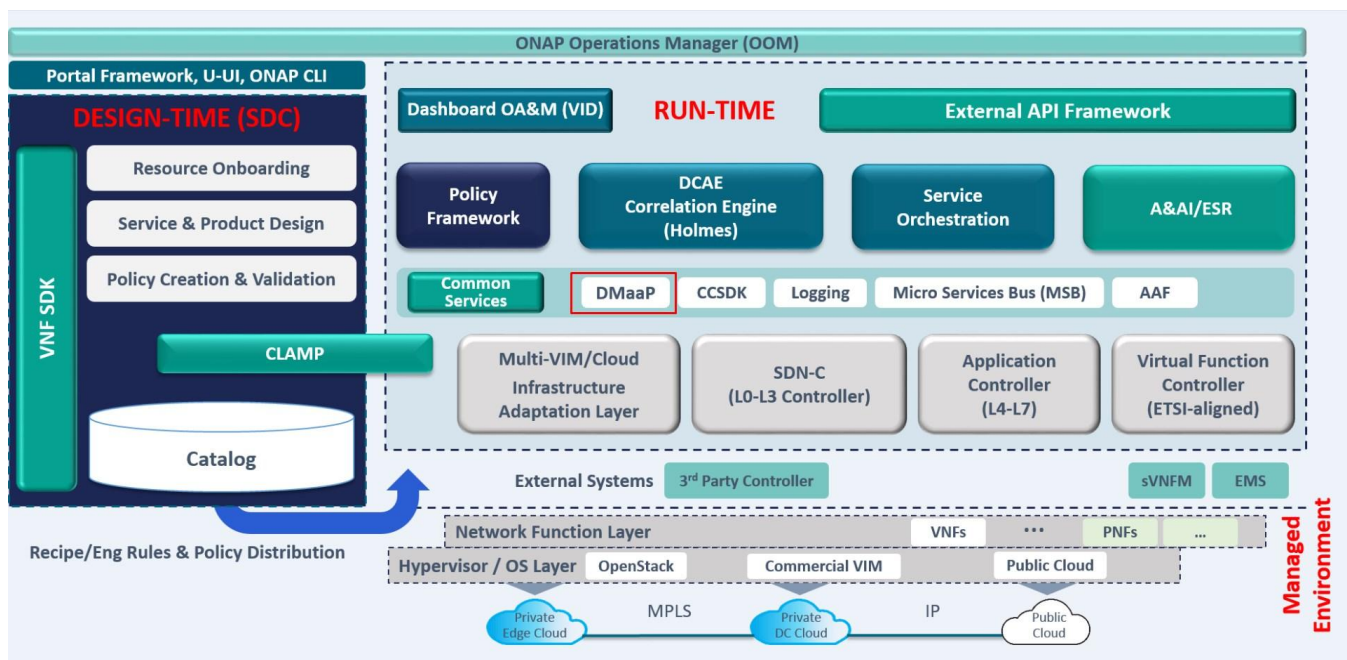
Sub-Components

As part of the Beijing release, the following components will be added to DMaaP:

- Data Router - for file transport
- Bus Controller Provisioning API - for provisioning of topics (MR), feeds (DR) and permissions (AAF)
- Bus Controller GUI - human interface to Bus Controller Provisioning API

Architecture

High level architecture diagram



Platform Maturity

Referring to [CII Badging Security Program](#) and [Platform Maturity Requirements](#), fill out the table below by indicating the actual level, the targeted level for the current release and the evidences on how you plan to achieve the targeted level.

Area	Actual Level	Targeted Level for current Release	How, Evidences	Comments
Performance	0	1	Baseline performance criteria will be defined	0 – none 1 – baseline performance criteria identified and measured 2 & 3 – performance improvement plans created & implemented
Stability	1	1	72 hours soak test with random transactions	0 – none 1 – 72 hours component level soak w/random transactions 2 – 72 hours platform level soak w/random transactions 3 – 6 months track record of reduced defect rate
Resiliency	2	2	K8S auto detection and recovery	0 – none 1 – manual failure and recovery (< 30 minutes) 2 – automated detection and recovery (single site) 3 – automated detection and recovery (geo redundancy)
Security	0	1		0 – none 1 – CII Passing badge + 50% Test Coverage 2 – CII Silver badge; internal communication encrypted; role-based access control and authorization for all calls 3 – CII Gold
Scalability	1	1	Level 1 single site horizontal scaling	0 – no ability to scale 1 – single site horizontal scaling 2 – geographic scaling 3 – scaling across multiple ONAP instances
Manageability	1	1	Using EELF common framework for logging	1 – single logging system across components; instantiation in < 1 hour 2 – ability to upgrade a single component; tracing across components; externalized configuration management
Usability	1	2	API documentation and swagger API provided	1 – user guide; deployment documentation; API documentation 2 – UI consistency; usability testing; tutorial documentation

• API Incoming Dependencies

List the API this project is expecting from other projects.

Prior to Release Planning review, Team Leads must agree on the date by which the API will be fully defined. The API Delivery date must not be later than the [release API Freeze date](#).

Prior to the delivery date, it is a good practice to organize an API review with the API consumers.

API Name	API Description	API Definition Date	API Delivery date	API Definition link (i.e.swagger)
AAF	Authentication and Authorization Framework	TBD	March 08 2010	TBD

• API Outgoing Dependencies

API this project is delivering to other projects.

API Name	API Description	API Definition Date	API Delivery date	API Definition link (i.e.swagger)
Publishing	API used to post a message to the Topic	Sept 11 2017	March 08 2018	DMAap API
Subscribing	API used to subscribe a message from the Topic	Sept 11 2017	March 08 2018	DMAap API
Provisining	API for creating, deleting and listing the administrative objects	Sept 11 2017	March 08 2018	DMAap API (Bus Controller API)
Admin API	API for the admin access	Sept 11 2017	March 08 2018	DMAap API

• Third Party Products Dependencies

Name	Description	Version
AJSC	Java services container	1.0.0
Kafka	Distributed messaging platform	0.8.2.1
Zoo Keeper	Centralized service for maintaining configuration information	3.4.6
Spring	Spring Framework	1.4
Docker	Container engine	1.12

• Testing and Integration Plans

1. Unit test: Unit tests has atleast 30% code coverage.
2. Functional test: Leverage the robot framework infrastructure to provide the functional test.
3. Integration test: Support integration team to provide the end to end integration test.
4. All the above should be automation tests run on the LF Jenkins Infrastructure.

• Gaps

No gaps identified so far

• Known Defects and Issues

Provide a link toward the list of all known project bugs.

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
DMAA P-1843	Kohn Release Note not updated		Nov 30, 2022	Nov 30, 2022		Unassigned	Thomas Kulik		CLOSED	Done
DMAA P-1824	fix doc config files in master and kohn branch		Oct 31, 2022	Nov 09, 2022		Unassigned	Thomas Kulik		CLOSED	Done

DMAA P-1728	[DR] Version 2.1.10 is released with expired certs, tag 2.1.10-STAGING-latest has new certs		Mar 30, 2022	Apr 19, 2022		Unassigned	None		CLOSED	Done
DMAA P-1726	[DR] Patch certs		Mar 22, 2022	Mar 22, 2022		Unassigned	None		CLOSED	Done
DMAA P-1714	[DR] DataRouter not support connection without TLS		Mar 01, 2022	May 02, 2022		Unassigned	None		CLOSED	Done
DMAA P-1686	[MR] Remove H branch from JJBs		Oct 27, 2021	Jan 04, 2022		Unassigned	None		CLOSED	Done
DMAA P-1682	[BC] Fix for failing Jenkins jobs		Oct 21, 2021	Jan 05, 2022		Unassigned	None		CLOSED	Done
DMAA P-1678	[DR] maridb fix		Oct 07, 2021	Oct 07, 2021		Unassigned	None		CLOSED	Not a Bug
DMAA P-1677	[MR] Fails to scale with replica count above 1		Oct 06, 2021	Oct 08, 2021		Unassigned	None		CLOSED	Won't Do
DMAA P-1640	DMaaP certificate expired in Frankfurt release		Aug 12, 2021	Aug 16, 2021		Unassigned	None		CLOSED	Won't Do
DMAA P-1639	[MR] Client jars cause spin loops when the DMaaP server is unreachable		Aug 03, 2021	Oct 13, 2021		Unassigned	None		CLOSED	Not a Bug
DMAA P-1627	Jersey error on DMaaP client		Jun 22, 2021	Jul 02, 2021		Unassigned	None		CLOSED	Not a Bug
DMAA P-1625	Project release note not available for honolulu release		Jun 14, 2021	Jul 05, 2021		Unassigned	Thomas Kulik		CLOSED	Done
DMAA P-1624	[DR] fix CRITICAL cross-site scripting (xss) issues identified in sonarcloud		May 28, 2021	Mar 10, 2022	Aug 26, 2021	David McWeeney	Amy Zwarico		CLOSED	Done
DMAA P-1623	[DR] fix CRITICAL sql-injection issues identified in sonarcloud		May 28, 2021	Mar 09, 2022	Aug 26, 2021	David McWeeney	Amy Zwarico		CLOSED	Done
DMAA P-1610	[BC] Remove H branch from csits		May 17, 2021	Jun 24, 2021		Unassigned	None		CLOSED	Done
DMAA P-1609	DMaaP message router pod does not start with disabled aaf		May 13, 2021	Jun 24, 2021		Unassigned	None		CLOSED	Done
DMAA P-1583	Creation of MR topics no more possible with 403 error.		Mar 29, 2021	Mar 31, 2021		Unassigned	None		CLOSED	Done
DMAA P-1572	[DR][BULKPM] Fix cert issue and incorrect image versions		Mar 15, 2021	Mar 29, 2021		Unassigned	None		CLOSED	Done
DMAA P-1567	[MR] Fix csits to use latest images		Mar 08, 2021	Mar 09, 2021		Unassigned	None		CLOSED	Done

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• Risks

No known risks so far.

• Resources

Updated [the Resources Committed to the Release](#) .

• Release Milestone

The milestones are defined at the [Release Level](#) and all the supporting project agreed to comply with these dates.

• Team Internal Milestone

- This section may be used to document internal milestones that the team agreed on.

Also, in the case the team has made agreement with other team to deliver some artifacts on a certain date that are not in the release milestone, provide these agreements and dates in this section.

It is not expected to have a detailed project plan.

Date	Project	Deliverable
3/29/2018	DMaaP	DMaaP - Buscontroller

• Documentation, Training

- <http://onap.readthedocs.io/en/latest/submodules/dmaap/messagerouter/messageservice.git/docs/Installation/Installation.html?highlight=dmaap>
<http://onap.readthedocs.io/en/latest/submodules/dmaap/messagerouter/messageservice.git/docs/release-notes.html?highlight=dmaap>
<http://onap.readthedocs.io/en/latest/submodules/dcae-gen2.git/docs/sections/components/dcae-cli/dmaap-connection-objects.html?highlight=dmaap>

Other Information

• Vendor Neutral

If this project is coming from an existing proprietary codebase, ensure that all proprietary trademarks, logos, product names, etc. have been removed. All ONAP deliverables must comply with this rule and be agnostic of any proprietary symbols.

• Free and Open Source Software

FOSS activities are critical to the delivery of the whole ONAP initiative. The information may not be fully available at Release Planning, however to avoid late refactoring, it is critical to accomplish this task as early as possible.

List all third party Free and Open Source Software used within the release and provide License type (BSD, MIT, Apache, GNU GPL,...).

In the case non Apache License are found inform immediately the TSC and the Release Manager and document your reasoning on why you believe we can use a non Apache version 2 license.

Each project must edit its project table available at [Project FOSS](#).

Charter Compliance

The project team comply with the [ONAP Charter](#).