

OOM Dublin Release Planning Template

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Overview

Project Name	Enter the name of the project
Target Release Name	Dublin
Project Lifecycle State	Core
Participating Company	Amdocs, AT&T, Bell Canada, etc.

Scope

What is this release trying to address?

During the Dublin release OOM will further "Production" aspected such as

- supporting Casablanca to Dublin upgrades
- improving platform health monitoring
- securing northbound cluster access via Envoy Ingress Controller
- securing Pod-to-Pod communication via Network Policy enforcement
- starting migration to single "shared" database instances (also benefits ONAP footprint reduction)
- furthering geo-diversity by supporting multi-site Kubernetes Clusters via reference integration with a Container Network Interface plugin

In addition, during this release the OOM team will start to transfer ownership of OOM artifacts to some of the project teams.

Use Cases

OOM isn't impact by, nor does it impact ONAP use cases.

Minimum Viable Product

All of the changes being proposed enhance existing OOM capabilities and none are required to have a viable product.

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
OOM-1876	Introduce fully automated ONAP offline platform builds in CI		May 23, 2019	Dec 13, 2022		Unassigned	None		CLOSED	Done
OOM-1622	Automatic collecting of data lists for offline installer		Feb 01, 2019	Dec 13, 2022		Unassigned	None		CLOSED	Won't Do
OOM-1172	Align Software Versions for ONAP Release		Jun 21, 2018	Jul 02, 2019		Unassigned	None		CLOSED	Done
OOM-346	Platform Resiliency (Recoverability, High-Availability, Geo-Diversity)		Oct 04, 2017	Dec 13, 2022		Unassigned	None		CLOSED	Won't Do

4 issues

Stories

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
OOM-1929	No download link for Dublin Release.		Jun 14, 2019	Jun 20, 2019		Unassigned	None		CLOSED	Done
OOM-1916	Update Dublin Release notes		Jun 05, 2019	Jun 06, 2019		Unassigned	None		CLOSED	Done
OOM-1901	Verify Dublin Offline installer on Centos		Jun 03, 2019	Jul 19, 2019		Unassigned	None		CLOSED	Done
OOM-1881	Remove tag from build scripts		May 28, 2019	Jun 05, 2019		Unassigned	None		CLOSED	Done
OOM-1832	Downgrade Common Cassandra version to 2.1.17 for Dublin		Apr 30, 2019	May 15, 2019		Unassigned	None		CLOSED	Done
OOM-1790	Integrate upgrade framework for SO		Apr 09, 2019	Apr 24, 2019		Unassigned	None		CLOSED	Done
OOM-1789	Integrate upgrade framework for AAI		Apr 09, 2019	Apr 24, 2019		Unassigned	None		CLOSED	Done
OOM-1743	Fix & enhance CDS charts		Mar 20, 2019	Apr 25, 2019		Unassigned	None		CLOSED	Done
OOM-1740	Enhance SDC Workflow charts to support HTTPS and SSL cassandra		Mar 20, 2019	Jul 02, 2019		Unassigned	None		CLOSED	Done
OOM-1692	Improve OOM override usability		Mar 02, 2019	Apr 10, 2019		Unassigned	None		CLOSED	Done
OOM-1652	Upgrade AAI to use common shared Cassandra instance		Feb 12, 2019	Jul 10, 2019		Unassigned	None		CLOSED	Done
OOM-1651	Upgrade SDNC to use common mariadb instance		Feb 12, 2019	Apr 24, 2019		Unassigned	None		CLOSED	Done

OOM-1646	SPIKE: Impact on schemas for migration to shared DB		Feb 12, 2019	Apr 09, 2019	Unassigned	None	==	CLOSED	Done
OOM-1642	Update Helm Chart versioning for Dublin		Feb 10, 2019	Mar 06, 2019	Unassigned	None	^	CLOSED	Done
OOM-1598	Document a Highly-Available K8s Cluster Deployment (RKE 0.2.1 / K8S 1.13.5 / Helm (2.12.3 - not 2.13.1) / Docker 18.09.5)		Jan 21, 2019	Aug 12, 2023	Unassigned	None	^	CLOSED	Done
OOM-1551	To provide seed code for offline installer to upstream		Dec 17, 2018	Jan 04, 2019	Unassigned	None	==	CLOSED	Done
OOM-1536	SPIKE: Investigate rolling upgrade using helm for Cassandra		Nov 30, 2018	Apr 09, 2019	Unassigned	None	==	CLOSED	Done
OOM-1535	SPIKE: Investigate feasibility of using helm hooks		Nov 30, 2018	Apr 10, 2019	Unassigned	None	==	CLOSED	Done
OOM-1524	Kubernetes Version Governance		Nov 07, 2018	Aug 12, 2023	Unassigned	None	==	CLOSED	Done
OOM-1514	Support redundant requests for creating topics and feeds		Nov 07, 2018	Nov 07, 2018	Unassigned	None	==	CLOSED	Won't Do
OOM-1500	Enable a default Storage Class Provisioner		Nov 01, 2018	Dec 06, 2019	Unassigned	None	==	CLOSED	Done
OOM-1499	Update Dublin OOM user guide with Helm/K8s versions		Nov 01, 2018	May 23, 2019	Unassigned	None	==	CLOSED	Done
OOM-1492	Upgrade Rancher to 1.6.19 with k8s 1.10.5 - to fix kubelet upgrade issue - actually go past 1.6.22 to 1.6.23 to get a jetty CVE fix		Nov 01, 2018	Jul 10, 2019	Unassigned	None	==	CLOSED	Done
OOM-1282	Document built in LoadBalancer in the Rancher RI - used by portal - as kubadm will not work		Jul 11, 2018	Aug 12, 2023	Unassigned	None	==	CLOSED	Done
OOM-1244	Transfer AAI helm chart ownership		Jun 26, 2018	May 07, 2019	Unassigned	None	==	CLOSED	Done
OOM-1241	Create oom directories in project repos		Jun 26, 2018	Mar 06, 2019	Unassigned	None	==	CLOSED	Done
OOM-1224	Upgrade SO to use common mariadb instance		Jun 25, 2018	Apr 24, 2019	Unassigned	None	==	CLOSED	Done
OOM-1203	Upgrade SDC to use common Cassandra instance		Jun 25, 2018	May 16, 2019	Unassigned	None	==	CLOSED	Done
OOM-1194	Create Shared Instance of Cassandra		Jun 25, 2018	Jul 10, 2019	Unassigned	None	==	CLOSED	Done
OOM-1193	Create Shared Instance of MariaDB-Galera		Jun 25, 2018	Jul 10, 2019	Unassigned	None	==	CLOSED	Done
OOM-1137	Override for 110 pod limit		Jun 11, 2018	Aug 12, 2023	Unassigned	None	==	CLOSED	Done

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Longer term roadmap

OOM will evolve to improve the production qualities of ONAP deployments and enable a wider variety of Cloud types including Kubernetes native public clouds.

Release Deliverables

Indicate the outcome (Executable, Source Code, Library, API description, Tool, Documentation, Release Note...) of this release.

Deliverable Name	Deliverable Description
Helm charts	Further enhancements to the existing set of ONAP helm charts.
Helm charts	Examples of custom deployment specifications to enable new features like auto-scaling.
Documentation	Read-the-docs documentation of new features.

Sub-Components

ONAP Offline Installer.

Architecture

High level architecture diagram

Not applicable. OOM is the ONAP Operations Manager not an ONAP component.

Platform Maturity

OOM has already and will continue to provide capabilities to the project teams to fulfill 'platform maturity' but in itself can't achieve any of these goals. As for usability, no significant changes are planned to the OOM documentation. Test coverage doesn't apply as this is a DevOps project without traditional source code.

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	*N/A	*N/A		<ul style="list-style-type: none">0 -- none1 – baseline performance criteria identified and measured2 & 3 – performance improvement plans created & implemented
Stability	*N/A	*N/A		<ul style="list-style-type: none">0 – none1 – 72 hours component level soak w/random transactions2 – 72 hours platform level soak w/random transactions3 – 6 months track record of reduced defect rate
Resiliency	*N/A	*N/A		<ul style="list-style-type: none">0 – none1 – manual failure and recovery (< 30 minutes)2 – automated detection and recovery (single site)3 – automated detection and recovery (geo redundancy)
Security	*N/A	*N/A		<ul style="list-style-type: none">0 – none1 – CII Passing badge + 50% Test Coverage2 – CII Silver badge; internal communication encrypted; role-based access control and authorization for all calls3 – CII Gold
Scalability	*N/A	*N/A		<ul style="list-style-type: none">0 – no ability to scale1 – single site horizontal scaling2 – geographic scaling3 – scaling across multiple ONAP instances
Manageability	*N/A	*N/A		<ul style="list-style-type: none">1 – single logging system across components; instantiation in < 1 hour2 – ability to upgrade a single component; tracing across components; externalized configuration management

Usability	1	1	docs updated as required	<ul style="list-style-type: none"> 1 – user guide; deployment documentation; API documentation 2 – UI consistency; usability testing; tutorial documentation
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*N/A - as mentioned above, OOM will support other projects to achieve their S3P requirements

• API Incoming Dependencies

None.

• Third Party Products Dependencies

Third Party Products mean products that are mandatory to provide services for your components. Development of new functionality in third party product may or not be expected.

List the Third Party Products (OpenStack, ODL, RabbitMQ, Elasticsearch, Crystal Reports, ...).

Name	Description	Version
Kubernetes	Cloud Manager	1.13+
Helm	Cloud Package Manager	2.12.2+

• Testing and Integration Plans

Testing continues to be done by deploying ONAP and monitoring Robot automated tests including health checks.

• Gaps

N/A

• Known Defects and Issues

List of all known project bugs:

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
OOM-2311	SSH Tunneling Failed on worker node		Feb 25, 2020	May 20, 2020	Feb 28, 2020	Unassigned	None		CLOSED	Done
OOM-2130	Multicloud logging setting leads to error and no logs		Oct 14, 2019	May 07, 2020		Unassigned	None		CLOSED	Done
OOM-2124	Update git clone of oom project to checkout submodules		Sep 17, 2019	May 07, 2020		Unassigned	None		CLOSED	Done
OOM-1979	Fix build guide regarding python versioning		Jul 11, 2019	Jul 15, 2019		Unassigned	None		CLOSED	Done
OOM-1968	Backup of user docker settings fails in build_nexus_blob.sh		Jul 09, 2019	Jul 12, 2019		Unassigned	None		CLOSED	Done
OOM-1967	Dublin Installation - RKE Ouput not added		Jun 26, 2019	Oct 01, 2019		Unassigned	None		CLOSED	Done
OOM-1964	Wrong shebang for download scripts		Jul 08, 2019	Jul 12, 2019		Unassigned	None		CLOSED	Done
OOM-1959	Simplify deployment by combining override.yaml		Jul 02, 2019	Jul 10, 2019		Unassigned	None		CLOSED	Done
OOM-1941	No 4.0.0-ONAP branch		Jun 21, 2019	Jun 27, 2019	Jun 21, 2019	Unassigned	None		CLOSED	Done
OOM-1939	ReadTheDoc -Remove one "Summary"		Jun 24, 2019	Jun 27, 2019		Unassigned	None		CLOSED	Done

OOM-1931	Increase initial delay time for CDS pods		Jun 17, 2019	Dec 03, 2019	Unassigned	None	=	CLOSED	Done
OOM-1923	Increase helm deploy perf by reducing helm ls		Jun 11, 2019	Jun 20, 2019	Unassigned	None	=	CLOSED	Done
OOM-1920	MarkupSafe 1.1.1 not found in Nexus		Jun 11, 2019	Jun 24, 2019	Unassigned	None	=	CLOSED	Done
OOM-1918	Bump PRH version to 1.2.4		Jun 07, 2019	Jun 12, 2019	Unassigned	None	^	CLOSED	Done
OOM-1898	Fix SO API handler cloud owner		May 31, 2019	Jun 06, 2019	Unassigned	None	^	CLOSED	Done
OOM-1897	Fix issue with yaml.load in docker-images-collector.sh		May 31, 2019	Jun 20, 2019	Unassigned	None	=	CLOSED	Done
OOM-1896	wrong path in "Generating SO Encrypted Password"		May 31, 2019	Jun 10, 2019	Unassigned	Andreas Geissler	^	CLOSED	Done
OOM-1891	add SDNC MD-SAL Restconf URL settings to blueprint processor application properties		May 29, 2019	Jun 02, 2019	Unassigned	None	^	CLOSED	Done
OOM-1888	Update CLI and VNFSDK dublin version in charts		May 29, 2019	Jun 04, 2019	Unassigned	None	^	CLOSED	Done
OOM-1886	Some images are missing in ONAP docker image list		May 28, 2019	Jun 05, 2019	Unassigned	None	=	CLOSED	Done
OOM-1875	Wrong path to backup files in build_nexus_blob.sh		May 23, 2019	May 28, 2019	Unassigned	None	=	CLOSED	Done
OOM-1874	OOM workflow-designer set https by default		May 23, 2019	Jun 05, 2019	Unassigned	None	=	CLOSED	Done
OOM-1867	CDS Chart update to align with processor-db=source-processor-db		May 21, 2019	Aug 12, 2023	Unassigned	None	^	CLOSED	Done
OOM-1866	DNS not working, handler not executed		May 21, 2019	May 22, 2019	Unassigned	None	^	CLOSED	Done
OOM-1860	For SDC to use Common Cassandra its version must be downgraded to 2.1		May 17, 2019	May 22, 2019	Unassigned	None	=	CLOSED	Won't Do
OOM-1852	Starting docker in roles /docker/handlers /docker_restart.yml fails in 85907 (Gerrit)		May 14, 2019	May 22, 2019	Unassigned	None	=	CLOSED	Done
OOM-1851	Adapt OOM to new MSO encryption mechanism for override.yaml		May 14, 2019	Aug 12, 2023	Unassigned	None	^	CLOSED	Done
OOM-1850	Idempotency test fails in test /roles/prepare-docker/tasks /docker-packages.yml		May 13, 2019	May 14, 2019	Unassigned	None	=	CLOSED	Done
OOM-1845	Dns role: unwanted dns container restart		May 10, 2019	May 16, 2019	Unassigned	None	=	CLOSED	Done
OOM-1843	Using the oom master branch, there is no aai chart , this cause onap deploy failed		May 09, 2019	Aug 12, 2023	Unassigned	None	=	CLOSED	Done
OOM-1842	readiness probe fails for sdnc dmaap listener		May 09, 2019	May 15, 2019	Dan Timoney	None	^	CLOSED	Cannot Reproduce
OOM-1835	Common Cassandra doesn't support user authentication		May 03, 2019	Jun 21, 2019	Unassigned	None	=	CLOSED	Done
OOM-1834	Common Cassandra uses image with JDK7 bug which crashes with long hostnames during startup		May 02, 2019	May 17, 2019	Unassigned	None	=	CLOSED	Done

OOM-1831	Dublin PRH version use 1.2.2 instead of 1.2.1	🔴	Apr 30, 2019	Aug 12, 2023	Unassigned	None	==	CLOSED	Done
OOM-1830	PVC in Pending state for a few DB pods (appc,dmaap, mairadb-galera,oof,sdnc,vfc)	🔴	Apr 27, 2019	May 10, 2019	Unassigned	None	^	CLOSED	Not a Bug
OOM-1826	Minor documentation updates in Offline Build	🔴	Apr 24, 2019	May 12, 2019	Unassigned	None	==	CLOSED	Done
OOM-1796	AAF charts don't install using helm deploy	🔴	Apr 12, 2019	Jun 20, 2019	Unassigned	None	==	CLOSED	Cannot Reproduce
OOM-1794	Common mariadb-galera cluster initContainer does not honour pullPolicy	🔴	Apr 12, 2019	Apr 24, 2019	Unassigned	None	==	CLOSED	Done
OOM-1786	Need to clarify how to setup the Openstack parameters	🔴	Mar 26, 2019	Jul 10, 2019	Unassigned	None	^	CLOSED	Done
OOM-1765	Nginx update to handle long server names	🔴	Mar 28, 2019	Apr 04, 2019	Unassigned	None	==	CLOSED	Done
OOM-1760	Image pull failed for Netbox	🔴	Mar 25, 2019	Apr 20, 2019	Unassigned	None	==	CLOSED	Duplicate
OOM-1738	Update for missing nginx tarfile	🔴	Mar 19, 2019	Mar 26, 2019	Unassigned	None	==	CLOSED	Done
OOM-1733	Shared cassandra cluster does not take datacenter and rack from config	🔴	Mar 19, 2019	Apr 09, 2019	Unassigned	None	^	CLOSED	Done
OOM-1723	netbox container is outdated	🔴	Mar 13, 2019	Apr 20, 2019	Unassigned	None	^	CLOSED	Done
OOM-1722	nginx version from contrib is outdated	🔴	Mar 13, 2019	Apr 10, 2019	Unassigned	None	==	CLOSED	Recommended
OOM-1685	APPC Ansible server pod failure due to python pip and apt versioning	🔴	Feb 27, 2019	Jul 09, 2019	Unassigned	None	^^	CLOSED	Done
OOM-1677	No value bound for sdnc-controller-blueprints	🔴	Feb 22, 2019	Aug 30, 2019	Unassigned	None	^	CLOSED	Done
OOM-1662	cacert for policy pods is distributed in malformed way	🔴	Feb 15, 2019	Feb 25, 2019	Unassigned	None	==	CLOSED	Done
OOM-1641	DMaaP bus controller image does not exist	🔴	Feb 10, 2019	Jun 20, 2019	Borislav Glozman	Borislav Glozman	==	CLOSED	Done
OOM-1621	packages.sh cleans up target directory	🔴	Jan 31, 2019	Mar 19, 2019	Unassigned	None	v	CLOSED	Done

Showing 50 out of [64 issues](#)

• Risks

As OOM is fully functional as is there are no significant risks to project.

• Resources

Fill out [the Resources Committed to the Release](#) centralized page.

• Release Milestone

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

• Team Internal Milestone

N/A

• Documentation, Training

- No significant changes to the existing OOM documents are planned.
- The following is the current OOM document structure:
- [ONAP Operations Manager Project](#)
 - [Component Orchestration Overview](#)
- [OOM Quick Start Guide](#)
- [OOM User Guide](#)
 - [Deploy](#)
 - [Configure](#)
 - [Monitor](#)
 - [Heal](#)
 - [Scale](#)
 - [Upgrade](#)
 - [Delete](#)
- [OOM Developer Guide](#)
 - [Container Background](#)
 - [Helm Charts](#)
 - [Configuration Management](#)
 - [Kubernetes Container Orchestration](#)
 - [MSB Integration](#)
- [OOM Cloud Setup Guide](#)
 - [Software Requirements](#)
 - [Minimum Hardware Configuration](#)
 - [Cloud Installation](#)
- [Release Notes](#)
 - [Version 2.0.0 Beijing Release](#)
 - [Version: 1.1.0](#)
- [ONAP on Kubernetes with Rancher](#)
 - [Rancher Installation](#)
 - [Kubernetes Installation](#)
 - [Setting up an NFS share for Multinode Kubernetes Clusters](#)
 - [Configuration \(Rancher and Kubernetes\)](#)
 - [Configure kubectl and helm](#)
 - [ONAP Deployment via OOM](#)

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](#).