SDC R2 Beijing Release Planning

Overview

Project Name	Enter the name of the project
Target Release Name	Beijing
Project Lifecycle State	Incubation
Participating Company	Amdocs, AT&T, ZTE, Huawei, Intel

Scope

What is this release trying to address?

1. Platform maturity - enhance stability, performance, security etc. to strive for carrier-grade maturity.
2. integration of new designers under the SDC umbrella including WorkFlow/Clamp/DCAED/Policy.
3. New requirements:
    a. **TBD**

Use Cases

SDC will contribute to support:

Use Case: Residential Broadband vCPE (Approved)

Use Case: VoLTE(approved)

SDC will continue to support:

Use Case: vFW/vDNS (Approved)

Use Case: Residential Broadband vCPE (Approved)

Use Case: VoLTE(approved)

Minimum Viable Product

Describe the MVP for this release.

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
SDC-1053	PNF use case support	⚡	Feb 21, 2018	May 20, 2018		Unassigned	None	=	CLOSED	Done
SDC-986	Hardware Platform Enablement(HPA) use case support	⚡	Jan 31, 2018	Jun 03, 2018		Unassigned	None	=	CLOSED	Done
SDC-985	Hardware Platform Enablement(HPA) modeling design	⚡	Jan 31, 2018	Jun 03, 2018		Unassigned	None	=	CLOSED	Done
SDC-980	Extend Activities for Workflow Designer	⚡	Jan 31, 2018	May 20, 2018		Unassigned	None	=	CLOSED	Done
SDC-978	Adapter of WF Designer for SDC	⚡	Jan 31, 2018	May 20, 2018		Unassigned	None	=	CLOSED	Done
SDC-976	Manual Scale Out use case support	⚡	Jan 30, 2018	Jul 10, 2019		Unassigned	None	=	CLOSED	Done
SDC-936	SDC parser configuration improvements	⚡	Jan 16, 2018	May 20, 2018		Unassigned	None	=	CLOSED	Done
SDC-831	Support life cycle artifacts in model	⚡	Dec 28, 2017	May 20, 2018		Unassigned	None	=	CLOSED	Done
SDC-828	OOM integration	⚡	Dec 28, 2017	Aug 12, 2023		Unassigned	None	=	CLOSED	Done
SDC-826	Non-Functional requirements - Usability	⚡	Dec 28, 2017	Jun 07, 2018		Unassigned	None	=	CLOSED	Done
SDC-825	Non-Functional requirements - Manageability	⚡	Dec 28, 2017	Jun 05, 2018		Unassigned	None	=	CLOSED	Done
SDC-823	Non-Functional requirements - Security	⚡	Dec 28, 2017	Jul 07, 2018		Unassigned	None	=	CLOSED	Done
SDC-820	SDC Enhance Connect Behavior [1802 TDP Epic 332501]	⚡	Dec 28, 2017	May 20, 2018		Unassigned	None	=	CLOSED	Done
SDC-819	Change namespace from openECOMP to org.onap	⚡	Dec 28, 2017	May 20, 2018		Unassigned	None	=	CLOSED	Done
SDC-817	Service Model Design to support Complex Services	⚡	Dec 28, 2017	May 20, 2018		Unassigned	None	=	CLOSED	Done
SDC-816	SDC Pause Instantiation [e1802 - TDP Epic 330782]	⚡	Dec 28, 2017	May 20, 2018		Unassigned	None	=	CLOSED	Done
SDC-815	Tenant Isolation - Context Definition [e1802 - TDP Epic 316484]	⚡	Dec 28, 2017	May 20, 2018		Unassigned	None	=	CLOSED	Done

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
SDC-814	Tenant Isolation - Context Distribution [e1802 - TDP Epic 316628]	⚡	Dec 28, 2017	May 20, 2018		Unassigned	None	=	CLOSED	Done
SDC-813	Non-Functional requirements - Stability	⚡	Dec 28, 2017	Jun 05, 2018		Unassigned	None	=	CLOSED	Done
SDC-812	Non-Functional requirements - Performance	⚡	Dec 28, 2017	May 20, 2018		Unassigned	None	=	CLOSED	Done

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Stories

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
SDC-1310	Fix additional library CVEs in sdc-docker-base	🔖	May 08, 2018	May 09, 2018		Unassigned	None	︿	CLOSED	Done
SDC-1291	Verify R2 DM -- Relationship Type	🔖	May 02, 2018	Jun 06, 2018		Unassigned	None	=	CLOSED	Done
SDC-1290	Verify R2 DM -- Data Types	🔖	May 02, 2018	Jun 06, 2018		Unassigned	None	=	CLOSED	Done
SDC-1289	Verify R2 DM -- Capabilities Types	🔖	May 02, 2018	Jun 06, 2018		Unassigned	None	=	CLOSED	Done
SDC-1288	Verify R2 DM -- Interface Types	🔖	May 02, 2018	Jun 06, 2018		Unassigned	None	=	CLOSED	Done
SDC-1287	Verify R2 DM -- Artifacts Types	🔖	May 02, 2018	Jun 06, 2018		Unassigned	None	=	CLOSED	Done
SDC-1286	Verify R2 DM -- Node Type	🔖	May 02, 2018	Jun 06, 2018		Unassigned	None	=	CLOSED	Done
SDC-1221	Fix library CVEs in sdc-cassandra	🔖	Apr 12, 2018	May 09, 2018		Unassigned	None	︿	CLOSED	Done
SDC-1197	Enhance SDC Parser to support Interface and Operations	🔖	Apr 09, 2018	Jun 04, 2018		Unassigned	None	︿	CLOSED	Done
SDC-1174	Support unified Tosca pattern 1C2 for vlan subinterface	🔖	Mar 26, 2018	May 21, 2018		Unassigned	None	=	CLOSED	Done
SDC-1172	reach 50% unit test coverage sdc workflow	🔖	Mar 26, 2018	May 20, 2018		Unassigned	None	=	CLOSED	Done
SDC-1169	CII passing bage	🔖	Mar 26, 2018	Jun 03, 2018		Unassigned	None	=	CLOSED	Done
SDC-1165	SDC designer Integration part 9 - Create component that disables selected layouts	🔖	Mar 26, 2018	Jun 05, 2018		Unassigned	None	︿	CLOSED	Done
SDC-1164	SDC designer Integration part 8 - Add promise logic to the SDC pub-sub notify	🔖	Mar 26, 2018	Jun 05, 2018		Unassigned	None	︿	CLOSED	Done
SDC-1131	Use Extend Activities to Design Workflow and Save	🔖	Mar 14, 2018	Apr 17, 2018		Unassigned	None	=	CLOSED	Done
SDC-1130	Display Extend Activities on WF Designer UI	🔖	Mar 14, 2018	Apr 17, 2018		Unassigned	None	=	CLOSED	Done
SDC-1117	achieve the 50% unit test coverage	🔖	Mar 12, 2018	Apr 26, 2018		Unassigned	None	=	CLOSED	Done
SDC-1104	Normative alignemet	🔖	Mar 11, 2018	Mar 21, 2018		Unassigned	None	=	CLOSED	Done
SDC-1080	Close the 'DirectoryStream' after its be used.	🔖	Mar 07, 2018	Mar 08, 2018		Unassigned	None	=	CLOSED	Done

| SDC-1073 | Support VFC Instance Group per networkrole | 🔖 | Mar 05, 2018 | May 21, 2018 | Unassigned | None | ═ | CLOSED | Done |

Showing 20 out of 139 issues

Longer term roadmap

SDC aims to position itself as the main design IDE in ONAP. SDC works towards creating a fully model-driven design experience.

Release Deliverables

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

Deliverable Name	Deliverable Description	Deliverable Location
SDC Docker Images	Executable	Docker image available on nexus3
SDC TOSCA SDK	JAR file	Available on nexus as MAVEN dependency
Java Source Code	The Java code for the main SDC components.	sdc Git repositories
Deployment Scripts	Chef recipes used to configure the Docker containers.	sdc Git repositories

Sub-Components

List all sub-components part of this release.
Activities related to sub-component must be in sync with the overall release.

Sub-components are repositories and are consolidated in a single centralized place. Edit the Release Components name for your project in the centralized page.

subcomponents:

- Jtosca
- SDC Tosca
- SDC Distribution Client
- SDC base docker
- SDC titan cassandra
- SDC workflow designer

Architecture

High level architecture diagram
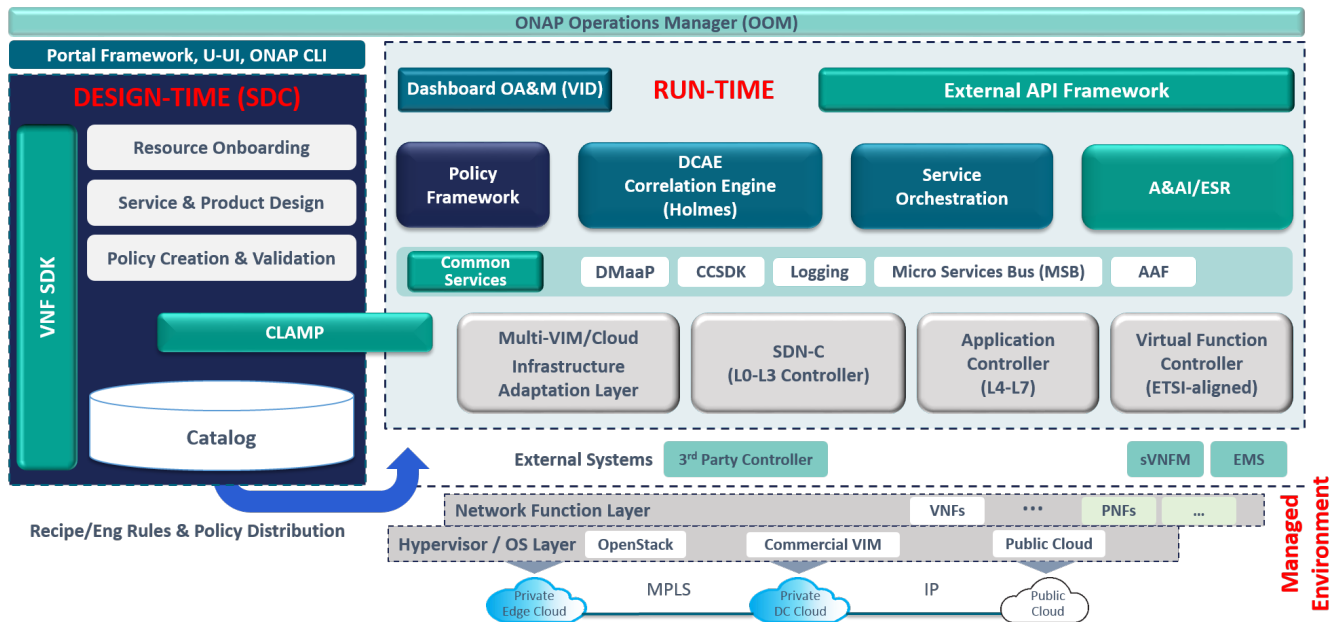
Platform Maturity

Refering 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	0 (stretch goal - 1)		• 0 -- none • 1 – baseline performance criteria identified and measured • 2 & 3 – performance improvement plans created & implemented
Stability	0	1 (stretch goal - 2)		• 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	1	1 (stretch goal - 2)		• 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 (stretch goal - 2)		• 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	0	0 (stretch goal - 1)		• 0 – no ability to scale • 1 – single site horizontal scaling • 2 – geographic scaling • 3 – scaling across multiple ONAP instances
Manageability	0	1 (stretch goal - 2)		• 1 – single logging system across components; instantiation in < 1 hour • 2 – ability to upgrade a single component; tracing across components; externalized configuration management
Usability	0	1 (stretch goal - 2)		• 1 – user guide; deployment documentation; API documentation • 2 – UI consistency; usability testing; tutorial documentation

API Incoming Dependencies -TBD

List the API this release is expecting from other releases.
Prior to Release Planning review, Team Leads must agreed 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)
To fill out	High level description of the API	Date for which the API is reviewed and agreed	To fill out	Link toward the detailed API description

API Outgoing Dependencies -TBD

API this release is delivering to other releases.

API Name	API Description	API Definition Date	API Delivery date	API Definition link (i.e.swagger)
To fill out	High level description of the API	Date for which the API is reviewed and agreed	To fill out	Link toward the detailed API description

Third Party Products Dependencies -TBD

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
To fill out	To fill out	To fill out

In case there are specific dependencies (Centos 7 vs Ubuntu 16. Etc.) list them as well.

Testing and Integration Plans -TBD

Provide a description of the testing activities (unit test, functional test, automation,...) that will be performed by the team within the scope of this release.

Describe the plan to integrate and test the release deliverables within the overall ONAP system.
Confirm that resources have been allocated to perform such activities.

Gaps

This section is used to document a limitation on a functionality or platform support. We are currently aware of this limitation and it will be delivered in a future Release.
List identified release gaps (if any), and its impact.

Gaps identified	Impact
To fill out	To fill out

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

No issues found

Risks -TBD

List the risks identified for this release along with the plan to prevent the risk to occur (mitigation) and the plan of action in the case the risk would materialized (contingency).

Risk identified	Mitigation Plan	Contingency Plan
To fill out	To fill out	To fill out

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

This section is optional and may be used to document internal milestones within a project team or multiple project teams. For instance, 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, it is erecommended to provide these agreements and dates in this section.

It is not expected to have a detailed project plan.

Date	Project	Deliverable
To fill out	To fill out	To fill out

Documentation, Training

- Highlight the team contributions to the specific document related to he project (Config guide, installation guide...).
- Highlight the team contributions to the overall Release Documentation and training asset
- High level list of documentation, training and tutorials necessary to understand the release capabilities, configuration and operation.
- Documentation includes items such as:
    - Installation instructions
    - Configuration instructions
    - Developer guide
    - End User guide
    - Admin guide
    - ...

> ⚠️ **Note**
>
> The Documentation project will provide the Documentation Tool Chain to edit, configure, store and publish all Documentation asset.

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.

Release Key Facts

Fill out and provide a link toward the centralized Release Artifacts.