SDC R3 Release Planning

Overview

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

Scope

What is this release trying to address?

- Platform Maturity (i.e., S3P items)
  - Resiliency
    - Level 1 - test only based on the work from Beijing
  - Scalability
    - Level 0
  - Stability
    - Level 1 will be a regression run on Casablanca release - anticipate this to be test only
    - Level 2 requirement is expected to be covered by the Integration team.
  - Security
    - Required Level 1
    - Reach CI badging passing level
    - Encrypted communication enable https support. sdc will work in a mixe mode http interface will continue working but internal comunication will be done using https.
    - aaf integration is a stretch goal based on the a risk from portal.
  - Performance
    - level 0 no work required.
  - Manageability
    - level 1

- align with onap logging spec 1.2
        - Usability
            - level 1
            - User guide created update
            - Deployment documentation update
            - API documentation update
            - All new API's must adhere to the ONAP API Common Versioning

- Documentation updates (readthedocs) for Casablanca, such as, but not limited to:
    - Release Notes.
    - Enhance the available documentation to cover more of the application functionality and usability.
- Functional requirments:
- HPA
    - SDC will support the work done to support HPA in ONAP with the help from intel.
- Change Management
    - SDC will support the work being done for the change management work
    - SDC will enhance our capability in designing workflows and complete the E2E flow between SDC and so with the help from Amdocs.
- Scaling
    - SDC will support the work being done for the scaling work.
- 5G/PNF
    - the PNF support in sdc will be based on the capabilities from Beijing, no additional work is planned.
- Architecture Alignment
    - sdc will start creating an infrastructure to support RTC
    - start supporting the sol004 csar pckage
- HEAT support
    - sdc will continue to support the heat based deployment
- Testing
    - enhance the sdc csit test scope
    - create cd testing for the sdc sub-components workflow and dcae-ds
    - add unit test coverage for the ui and reach 10% coverage
- Enhancements
    - add more functionality to the sdc generic designer support

Use Cases

SDC will support the following use cases based on the current functionality:

CCVPN(Cross Domain and Cross Layer VPN) USE CASE

OpenSource Access Manager (OSAM) Use Case

SDC will continue to support:

Use Case: vFW/vDNS (Approved)

Use Case: Residential Broadband vCPE (Approved)

Use Case: VoLTE(approved)

Use Case: VoLTE(approved)

Minimum Viable Product

SDC:

deliver all the need dockers and DB needed to support sdc functionality and the needed scripts for deploying it in HEAT heat and in OOM.

WORKFLOW:

deliver all the need dockers needed to support workflow designer functionality and the needed scripts for deploying it in HEAT heat and in OOM.

DCAE-DS:

deliver all the need dockers needed to support dcae-ds functionality and the needed scripts for deploying it in HEAT heat and in OOM.

SDC SDK's:

sdc-destribution-client

sdc-tosca

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-1697	PNF enhancements	⚡	Sep 02, 2018	Nov 29, 2018		Unassigned	None	=	CLOSED	Done
SDC-1507	Create SDC - DCAE-DS documentation	⚡	Jul 15, 2018	Nov 29, 2018		Unassigned	None	=	CLOSED	Done
SDC-1411	Non-Functional requirements - Security	⚡	Jun 10, 2018	Feb 10, 2019		Unassigned	None	=	CLOSED	Done
SDC-1404	Technical debt	⚡	Jun 10, 2018	Nov 29, 2018		Unassigned	None	=	CLOSED	Done
SDC-979	Integrate WF Designer with SDC	⚡	Jan 31, 2018	Sep 09, 2018		Unassigned	None	=	CLOSED	Done
SDC-824	Non-Functional requirements - Scalability	⚡	Dec 28, 2017	Jun 07, 2018		Unassigned	None	=	CLOSED	Done
SDC-388	BPMN Converter for workflow	⚡	Sep 25, 2017	Jun 07, 2018		Unassigned	None	=	CLOSED	Done
SDC-116	bpmn workflow modeler	⚡	Jul 06, 2017	Jun 07, 2018		Unassigned	None	=	CLOSED	Done
SDC-71	Management of Workflow (CRUD)	⚡	Jul 06, 2017	Jun 07, 2018		Unassigned	None	=	CLOSED	Done

9 issues

Stories

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
SDC-1882	Add NFC naming code to manual vsp	🔖	Oct 31, 2018	Oct 31, 2018		Unassigned	None	=	CLOSED	Done
SDC-1874	Merge source code	🔖	Oct 29, 2018	Nov 29, 2018		Unassigned	None	=	CLOSED	Done
SDC-1872	Adding UTs to project	🔖	Oct 28, 2018	Nov 29, 2018		Unassigned	None	=	CLOSED	Done
SDC-1829	Security check issues	🔖	Oct 10, 2018	Dec 05, 2018		Unassigned	None	=	CLOSED	Done
SDC-1800	upgrade dace-d property pom version	🔖	Sep 26, 2018	Nov 29, 2018		Unassigned	None	=	CLOSED	Done
SDC-1799	dcae-d r3 modification	🔖	Sep 27, 2018	Nov 29, 2018		Unassigned	None	=	CLOSED	Done
SDC-1766	Ongoing support	🔖	Sep 17, 2018	Nov 29, 2018		Unassigned	None	=	CLOSED	Done
SDC-1759	DCAE Tosca add to Docker run	🔖	Sep 13, 2018	Jul 17, 2019		Unassigned	None	=	CLOSED	Done
SDC-1758	Unable to make workflow dockers up	🔖	Sep 13, 2018	Sep 17, 2018		Unassigned	None	⌄	CLOSED	Not a Bug
SDC-1756	DCAE TOSCA APP add docker creation and replace application server	🔖	Sep 12, 2018	Sep 13, 2018		Unassigned	None	=	CLOSED	Done
SDC-1749	update sdc portal integration	🔖	Sep 09, 2018	Dec 02, 2018		Unassigned	None	=	CLOSED	Done

SDC-1745	align the manfiset file in the CSAR	🔖	Sep 06, 2018	Nov 29, 2018	Unassigned	None	=	CLOSED	Done
SDC-1739	Interface Operation for Service	🔖	Sep 05, 2018	Sep 21, 2018	Unassigned	None	=	CLOSED	Done
SDC-1737	Ongoing support	🔖	Sep 05, 2018	Sep 17, 2018	Unassigned	None	=	CLOSED	Done
SDC-1698	add softwere version to the PNF properties	🔖	Sep 02, 2018	Sep 09, 2018	Unassigned	None	=	CLOSED	Done
SDC-1680	Ongoing support	🔖	Aug 28, 2018	Sep 05, 2018	Unassigned	None	=	CLOSED	Done
SDC-1674	UI Issues in Operation Screen with associate workflow	🔖	Aug 23, 2018	Sep 13, 2018	Unassigned	None	^	CLOSED	Done
SDC-1631	Changing dt pom file	🔖	Aug 12, 2018	Jul 17, 2019	Unassigned	None	=	CLOSED	Done
SDC-1619	Remove ATT files	🔖	Aug 08, 2018	Jul 17, 2019	Unassigned	None	=	CLOSED	Done
SDC-1614	adding the dcae dt code	🔖	Aug 07, 2018	Jul 17, 2019	Unassigned	None	=	CLOSED	Done

Showing 20 out of 75 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
SDC		
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.
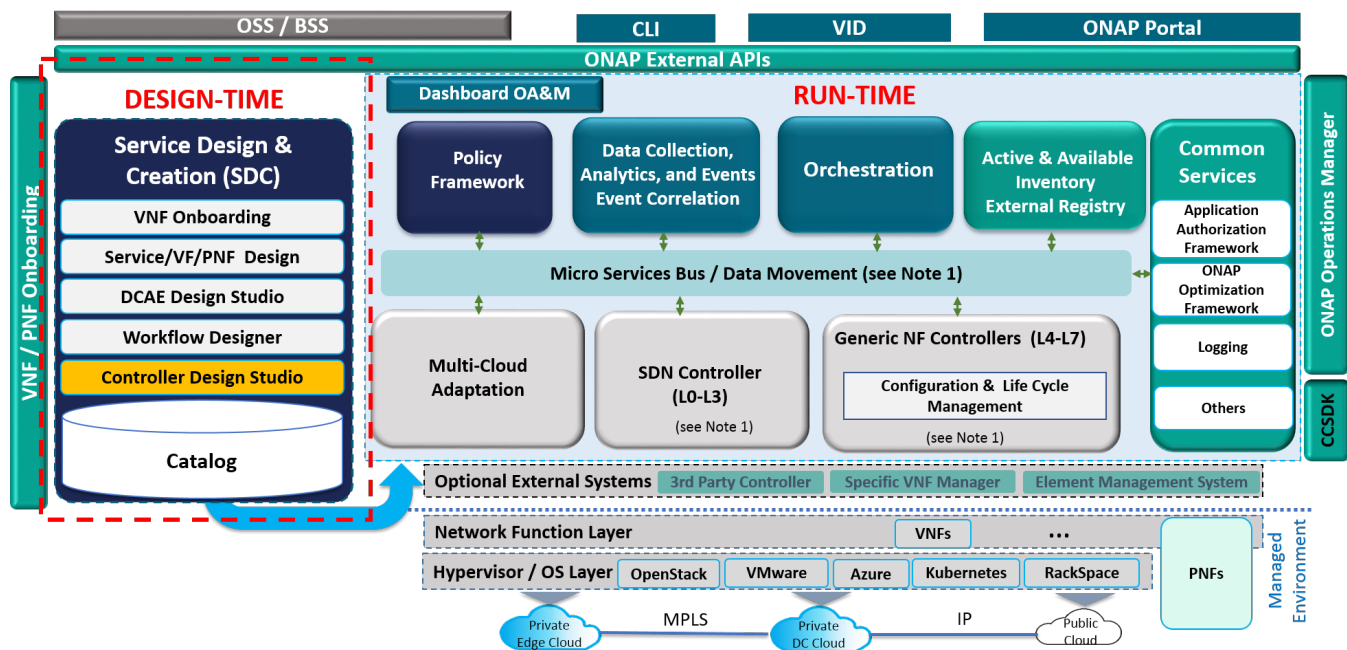
subcomponents:

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

Architecture

High level architecture diagram

Legend:
- Part of SDC platform
- Planed to be add in Casablanca

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		• 0 -- none • 1 – baseline performance criteria identified and measured • 2 & 3 – performance improvement plans created & implemented
Stability	1	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		• 0 – none • 1 – manual failure and recovery (< 30 minutes) • 2 – automated detection and recovery (single site) • 3 – automated detection and recovery (geo redundancy)
Security	1	1+ AAF integration and https support		• 1 – 70% pass level 1 (CII Passing plus more) • 2 – 70% pass CII Silver (plus more) • 3 – 70% pass CII Gold (plus more) • 4 – 100% pass CII Gold
Scalability	0	0		• 0 – no ability to scale • 1 – single site horizontal scaling • 2 – geographic scaling • 3 – scaling across multiple ONAP instances

Manage ability	1	1		1 – single logging system across components; instantiation in < 1 hour 2 – ability to upgrade a single component; externalized configuration management; adhere to application logging spec V1.2 3 - tracing across components;
Usability	1	1		1– user guide; deployment documentation; API documentation (new APIs follow policy, rest Swagger 2.0); adherence to coding guidelines 2 – API Documentation (changed and external APIs follow policy); UI consistency; usability testing; tutorial documentation 3 – API Documentation (all follow policy)

API Incoming Dependencies

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)
Portal	user management APIs	crou api for user management	avilable	exposed by portal sdk
destribution client	apis for retriving artifacts from catalog	download artifacts	avilable	exposed by sdc part of external apis.

API Outgoing Dependencies

API this release is delivering to other releases.

API Name	API Description	API Definition Date	API Delivery date	API Definition link (i.e.swagger)
dmaap	using Cambria client	api for pushing and retrieving notifications	avilable	sdk

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
Cassandra	Open-source distributed storage system	2.1.19
Docker	VM container	
ElasticSearch	Search framework	2.4.6
titan	Open-source, distributed graph database	1.0.0
Jetty	Open-source application server	`9.3.X`
Ubuntu	Open-source software operating system	16.0.4-LTS
kibana	analytic disply server	`4.3.3`
vnc	vnc server used for ui testing	`ubuntu-xfce-vnc:1.3.0`

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

Testing and Integration Plans

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.

- validate uses cases and pairwise testing of sdc with other components
- enhance the csait to include more tests

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
N/A	N/A

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 materialize (contingency).

Risk identified	Mitigation Plan	Contingency Plan
sdc aaf integration	none	move integration to dublin

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.