CCSDK : Beijing : Release Planning Template

DRAFT PROPOSAL FOR COMMENTS

The content of this template is expected to be fill out for M1 Release Planning Milestone.

> **Info**
>
> Use the "Copy" and "Move" options (available under the ..., top right of this page) to duplicate this template into your project wiki.
> Use the Wiki to document the release plan. Don't provide PowerPoint.
> Use as much diagrams and flow charts as you need, directly in the wiki, to convey your message.

Overview

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

Scope

What is this release trying to address?

The primary focus of the ONAP release 2 (Beijing) is to advance platform maturity, with a focus on S3P (Scalabllity, Stability, Security and Performance).

Use Cases

CCSDK will support the same use cases as Amsterdam:

- vFW
- vDNS
- vCPE

- VoLTE

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
CCSDK-169	Establish and measure performance metrics		Jan 05, 2018	Aug 08, 2018		Dan Timoney	Dan Timoney		CLOSED	Done
CCSDK-149	Improve code metrics		Dec 04, 2017	Aug 08, 2018		Dan Timoney	Dan Timoney		CLOSED	Done
CCSDK-146	OpenDaylight Nitrogen Release Support		Nov 15, 2017	Aug 08, 2018		Dan Timoney	Dan Timoney		CLOSED	Done

3 issues

Stories

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
CCSDK-266	Unit test fails on windows		May 03, 2018	Aug 08, 2018		Unassigned	None		CLOSED	Done
CCSDK-265	SetNodeExecutor nulling feature enhancement		May 03, 2018	Aug 08, 2018		Unassigned	None		CLOSED	Done
CCSDK-253	add replaceAll to slistringutils		Apr 25, 2018	Aug 08, 2018		Unassigned	None		CLOSED	Done
CCSDK-240	fix dme2 environment variable		Apr 13, 2018	Aug 08, 2018		Unassigned	None		CLOSED	Not a Bug
CCSDK-238	DGBuilder uploadXML displaying processing gif even after successful upload		Apr 10, 2018	Aug 08, 2018		Unassigned	None		CLOSED	Done
CCSDK-233	RestApiCallNode adaptor to show meaningful error message		Apr 02, 2018	Aug 08, 2018		Unassigned	None		CLOSED	Not a Bug
CCSDK-232	RESTApiCallNode adaptor to support request with no Body type		Apr 02, 2018	Aug 08, 2018		Unassigned	None		CLOSED	Done
CCSDK-231	remove most of pgaas repo		Mar 29, 2018	Aug 08, 2018		Unassigned	None		CLOSED	Done
CCSDK-227	Simplify enumeration handling		Mar 27, 2018	Aug 08, 2018		Unassigned	None		CLOSED	Done
CCSDK-222	Ansible server support		Mar 22, 2018	Aug 12, 2023		Dan Timoney	None		CLOSED	Done
CCSDK-214	support enumerations containing whitespace		Mar 16, 2018	Aug 08, 2018		Unassigned	None		CLOSED	Done
CCSDK-211	change reference of sdnc to ccsdk in dgbuilder-docker files		Mar 14, 2018	Aug 08, 2018		Unassigned	None		CLOSED	Done

CCSDK-210	allow request body to be passed into rest api call node		Mar 13, 2018	Aug 08, 2018	Unassigned	None		CLOSED	Done
CCSDK-209	read properties file using system property		Mar 09, 2018	Aug 08, 2018	Unassigned	None		CLOSED	Done
CCSDK-204	svclogic loader improvements		Mar 07, 2018	Aug 08, 2018	Unassigned	None		CLOSED	Done
CCSDK-203	restore previous behavior		Mar 07, 2018	Aug 08, 2018	Unassigned	None		CLOSED	Done
CCSDK-202	additional logging and loading related changes		Mar 07, 2018	Jul 10, 2019	Unassigned	None		CLOSED	Done
CCSDK-201	sdnc_dmaaplistener_container is not killed in CSIT test site for ONAP SDNC		Mar 07, 2018	Aug 08, 2018	Unassigned	None		CLOSED	Not a Bug
CCSDK-194	revert grammar change		Mar 02, 2018	Aug 08, 2018	Unassigned	None		CLOSED	Won't Do
CCSDK-193	add timestamps to install log		Mar 02, 2018	Jul 10, 2019	Unassigned	None		CLOSED	Done

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Longer term roadmap

Indicate at a high level the longer term roadmap. This is to put things into the big perspective.

Release Deliverables

Deliverable Name	Deliverable Description	Deliverable Location
CCSDK Source Code	Source code for CCSDK project	ONAP gerrit
CCSDK Maven Artifacts	Compiled code that can be referenced in other projects as maven dependencies	ONAP Nexus
CCSDK Docker Containers	Docker containers associated with SDNC project: • Controller (OpenDaylight) container • Database container • Directed Graph Builder container	ONAP Nexus
Documentation	User and developer guides	ONAP Wiki
CCSDK CI/CD automation	Scripts to automate compilation and deployment of maven artifacts and docker containers	ONAP gerrit ONAP Jenkins

Sub-Components

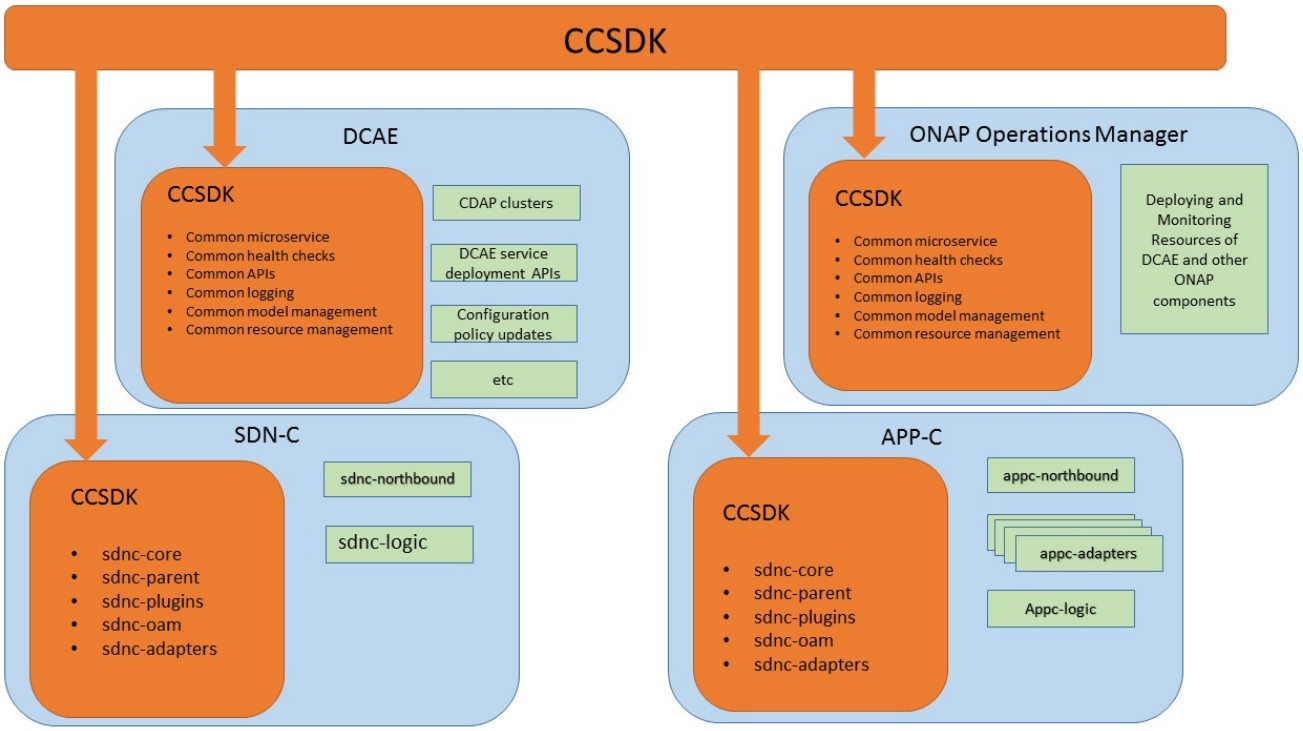
Subcomponents of each ONAP project may be found on the Resources and Repositories (Deprecated) page on this wiki. Please see the CCSDK section of that page for subcomponent list of CCSDK.

Architecture

High level architecture diagram

CCSDK will be delivered as a set of libraries accessible as Maven dependencies, as well as a set of base Docker containers. The docker containers themselves are intended to be used by other projects as a basis for their own controller-specific docker containers.

The following diagram illustrates how CCSDK is used by the controller projects:



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	Awaiting guidance from Benchmark subcommittee	• 0 -- none • 1 – baseline performance criteria identified and measured • 2 & 3 – performance improvement plans created & implemented
Stability	0	N/A	As a project that provides a library framework, CCSDK has no standalone component that can be soaked	• 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	2	While CCSDK itself has no standalone component, it does provide an OpenDaylight docker container used by SDNC and APPC. In Beijing, CCSDK will support a clustered OpenDaylight configuration in Kubernetes, as well as a clustered database, to allow for automated detection and recovery within a site.	• 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	CCSDK will achieve 50% code coverage	• 0 – none • 1 – CII Passing badge + 50% Test Coverage + 50% test coverage • 2 – CII Silver badge; internal communication encrypted; role-based access control and authorization for all calls • 3 – CII Gold
Scalability	0	N/A	Scaling does not apply to CCSDK itself, as a set of libraries.	• 0 – no ability to scale • 1 – single site horizontal scaling • 2 – geographic scaling • 3 – scaling across multiple ONAP instances
Manageability	1	1	CCSDK will support ONAP standard 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	1	See readthedocs and wiki.	• 1 – user guide; deployment documentation; API documentation • 2 – UI consistency; usability testing; tutorial documentation

API Incoming Dependencies

API Name	API Description	API Definition Date	API Delivery date	API Definition link (i.e. swagger)
A&AI : schemas	A&AI schemas used by CCSDK aaa-service module	Defined in seed code	Included in seed code	TBD
SDC : distribution client	API used by ueb-listener (in CCSDK sdnc-northbound repo) to receive artifacts from SDC	Defined in seed code	Included in seed code	TBD

API Outgoing Dependencies

API Name	API Description	API Definition Date	API Delivery date	API Definition link (i.e.swagger)
Maven libraries	Libraries used as dependencies by SDN-C, APP-C, DCAE and OOM	Included in seed code	Delivered in seed code	Javadoc will be provided
Docker containers	Base docker containers will be provided which can be used by SDN-C and APP-C as a basis for their docker containers	Included in seed code	Delivered in seed code	

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, ...).

NameDescriptionVersionOpenDaylightOpenDaylight SDN controller platformCarbon

Name	Description	Version
OpenDaylight	OpenDaylight SDN Controller Platform	Nitrogen

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.

- # 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
CCSDK-332	Fix blocker issues reported by sonarQube for CCSDK project		Jul 05, 2018	Aug 08, 2018		Unassigned	None		CLOSED	Won't Do
CCSDK-292	remove partition edit from LCM consumer		May 30, 2018	Aug 08, 2018		Unassigned	None		CLOSED	Done
CCSDK-290	ccsdk-odlsli-image features do not install		May 21, 2018	Aug 08, 2018		Unassigned	None		CLOSED	Done
CCSDK-289	mdsal-resource OSGi services not found		May 21, 2018	Aug 08, 2018		Dan Timoney	Dan Timoney		CLOSED	Done
CCSDK-277	restapicallnode OSGI lookup fails		May 15, 2018	Aug 08, 2018		Dan Timoney	Dan Timoney		CLOSED	Done
CCSDK-276	Ccsdk components not installing in odlsli docker image		May 14, 2018	Aug 08, 2018		Unassigned	None		CLOSED	Done
CCSDK-273	Missing ansible-adapter.properties file causes NullPointerException		May 10, 2018	Aug 08, 2018		Dan Timoney	Dan Timoney		CLOSED	Done
CCSDK-272	LCM API expects wrong names for DGs		May 10, 2018	Aug 08, 2018		Dan Timoney	Dan Timoney		CLOSED	Done
CCSDK-270	Remove AT&T license from csar sample		May 08, 2018	Aug 08, 2018		Dan Timoney	Dan Timoney		CLOSED	Done
CCSDK-269	Remove erroneous license header		May 08, 2018	Aug 08, 2018		Dan Timoney	Dan Timoney		CLOSED	Done
CCSDK-268	SDNC Error on loading Preload in karaf.log		May 04, 2018	Aug 08, 2018		Unassigned	None		CLOSED	Done

CCSDK-264	Missing EELF dependency in ansible-bundle		May 03, 2018	Aug 08, 2018	Dan Timoney	Dan Timoney		CLOSED	Done
CCSDK-261	SO build failure because of artifact not available in ccsdk pom		May 02, 2018	Aug 08, 2018	Unassigned	None		CLOSED	Done
CCSDK-254	UEB Listener failing		Apr 25, 2018	Aug 08, 2018	Unassigned	None		CLOSED	Done
CCSDK-252	LCM returns rpc not registered		Apr 24, 2018	Aug 08, 2018	Dan Timoney	Dan Timoney		CLOSED	Done
CCSDK-251	ansible-adapter install fails		Apr 24, 2018	Aug 08, 2018	Dan Timoney	Dan Timoney		CLOSED	Done
CCSDK-250	update aaiclient properties in ccsdk/distribution		Apr 24, 2018	Aug 08, 2018	Unassigned	None		CLOSED	Done
CCSDK-248	sli/adaptors release build fails		Apr 20, 2018	Aug 08, 2018	Dan Timoney	Dan Timoney		CLOSED	Done
CCSDK-247	APPC receiving the trustAnchors parameter must be non-empty error in aai client		Apr 19, 2018	Aug 08, 2018	Unassigned	None		CLOSED	Done
CCSDK-246	Add support for primary identifier of type int in XSD generated model		Apr 18, 2018	Aug 08, 2018	Unassigned	None		CLOSED	Done

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• Risks

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.