

VF-C Dublin M1 Release Planning

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.

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Overview

Project Name	Enter the name of the project
Target Release Name	Dublin
Project Lifecycle State	Incubation
Participating Company	China Mobile ,ZTE, Huawei, Nokia ,VMware, Boco, Jio, raisecom, Intel, verizon

What is this release trying to address?

The VF-C Dublin release has following primary objectives:

1. Improving platform maturity:enhance scalability, manageability,security (i.e., S3P items)
2. Supporting use cases identified by ONAP and integration: vCPE, CCVPN
3. Supporting Functional Requirements identified: HPA, [Centralized Representation and Consistent Identification of Cloud Regions In ONAP](#)
4. Enhancement to VF-C existing features:

OOF integration improvement

ETSI Interface alignment(Including SOL005 and SOL003, how much alignment depends on resource contribution)

VF-C workflow optimization

NS instance model mapping to A&AI

R4 tosca data model alignment

5. External Cooperation

Cooperate with Integration team to add tosca-based VNF deployment functional tests.(Depend on the commit resource)

Participate in Generic tosca parser requirment analysis and API design

Use Cases

Describe the use case this release is targeted for (better if reference to customer use case).

[Use Case: Residential Broadband vCPE \(Approved\)](#)

[CCVPN Use Case \(Dublin\)](#)

Functional Requirements:

[Hardware Platform Enablement In ONAP](#)

[Centralized Representation and Consistent Identification of Cloud Regions In ONAP](#)

Auto Scaling - stretch goal

Minimum Viable Product

VF-C will include the necessary subcomponents supporting the primary objectives: meeting platform maturity goals and supporting the use cases.

LCM(instantiate/terminate/heal/scaling) for NS and Vendor VNFs

FCAPS for vendor VNFs

LCM(instantiate/terminate) for open source VNFs

Minimum VF-C components supporting above functionalities:

NSLCM/Catalog/GVNFM/Workflow/Vimproxy/EMS driver/vendor VNFM driver

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
No issues found										

Stories

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
VFC-1412	optimize log and func name		Jun 03, 2019	Nov 06, 2019		Unassigned	None		CLOSED	Done
VFC-1381	achieve CII Badging passing level for Dublin		May 10, 2019	Jul 11, 2019	May 21, 2019	Amy Zwarico	Amy Zwarico		CLOSED	Done

VFC-1378	fix descriptor_verison		May 07, 2019	Nov 06, 2019	Unassigned	None	=	CLOSED	Done
VFC-1377	modify fetchvnf pkg artifact		May 07, 2019	Nov 06, 2019	Unassigned	None	=	CLOSED	Done
VFC-1370	modify pnf descriptor		Apr 30, 2019	Nov 06, 2019	Unassigned	None	=	CLOSED	Done
VFC-1369	modify file range		Apr 29, 2019	Nov 06, 2019	Unassigned	None	=	CLOSED	Done
VFC-1368	optimize_tests		Apr 28, 2019	Nov 06, 2019	Unassigned	None	=	CLOSED	Done
VFC-1367	FIX RANGE		Apr 28, 2019	Nov 06, 2019	Unassigned	None	=	CLOSED	Done
VFC-1276	Fix sonar issues		Mar 15, 2019	Nov 06, 2019	Unassigned	None	=	CLOSED	Done
VFC-1273	SONATYPE-2007		Mar 15, 2019	Mar 15, 2019	Unassigned	None	^	CLOSED	Won't Do
VFC-1255	Support homing placement with selected candidates (VIM)		Jan 30, 2019	Feb 28, 2019	Unassigned	None	=	CLOSED	Done
VFC-1247	R4 Data Model Alignment		Jan 14, 2019	Aug 12, 2023	Unassigned	None	=	CLOSED	Done
VFC-1246	OOF Integration Improvement		Jan 14, 2019	Apr 10, 2019	Unassigned	None	^	CLOSED	Done
VFC-1245	Update Cloud region representation in VF-C		Jan 14, 2019	Apr 10, 2019	Unassigned	None	^	CLOSED	Done
VFC-1244	Mysql DB migrate to MariaDB Galera Cluster		Jan 14, 2019	Apr 11, 2019	Unassigned	None	^	CLOSED	Done
VFC-1243	SOL003 alignment		Jan 14, 2019	Aug 12, 2023	Unassigned	None	^	CLOSED	Done
VFC-1210	SOL005 alignment		Dec 17, 2018	Aug 12, 2023	Unassigned	None	^	CLOSED	Done
VFC-1202	No critical or high know vulnerabilities > 60 days		Dec 17, 2018	Apr 22, 2019	Unassigned	None	^	CLOSED	Done

18 issues

Longer term roadmap

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

Release Deliverables

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

Deliverable Name	Deliverable Description
Source Code	Source code for all VF-C components
Maven Artifacts	Maven Artifacts for all VF-C components
Docker Containers	Docker container associated with VF-C componets
Documentation	VF-C detailed documentation

Sub-Components

List all sub-components part of this release.
Activities related to sub-components 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.

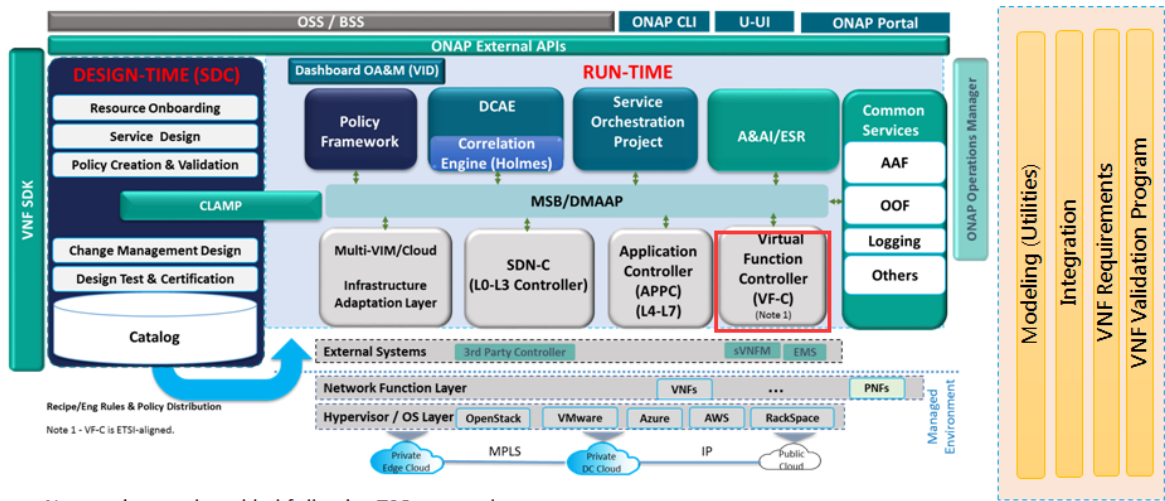
Architecture

High level architecture diagram

At that stage within the Release, the team is expected to provide more Architecture details describing how the functional modules are interacting.

Indicate where your project fit within the [ONAP Architecture diagram](#).

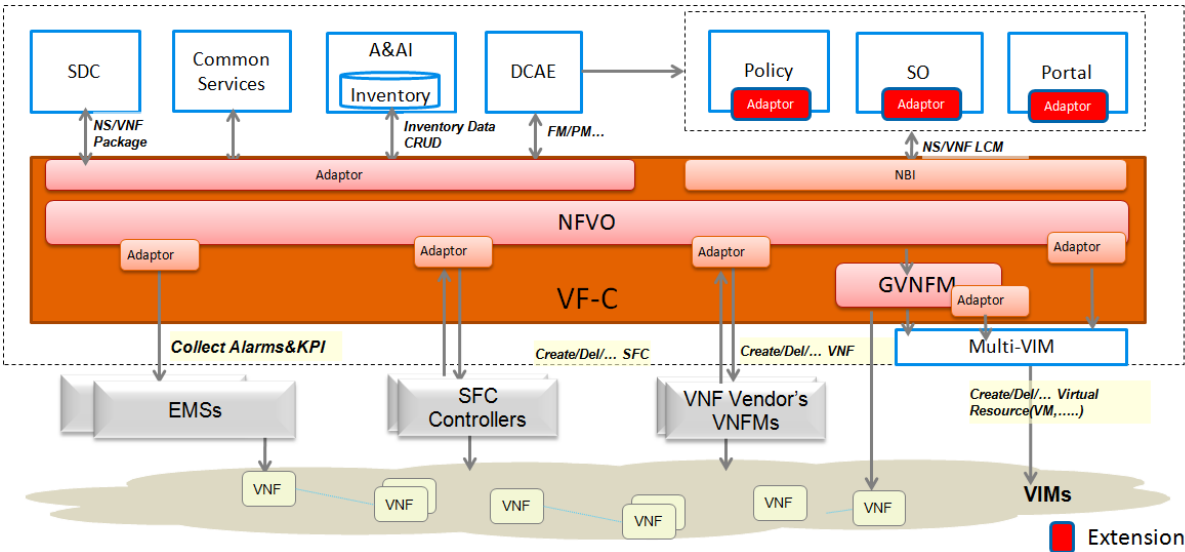
TBD (add new R3 arch diagram with new components and interface)



New projects to be added following TSC approval

Block and sequence diagrams showing relation within the project as well as relation with external components are expected.

Anyone reading this section should have a good understanding of all the interacting modules.



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	1	1	<p>VFC-1238 - Getting issue details...</p> <p>STATUS</p>	<ul style="list-style-type: none"> 0 -- none 1 – baseline performance criteria identified and measured 2 & 3 – performance improvement plans created & implemented
Stability	1	1	<p>Need to do a 72 hours soak test for VF-C</p> <p>VFC-1240 - Getting issue details...</p> <p>STATUS</p> <p>And also plan to add VF-C to CI/CD stretch goal</p> <p>VFC-1208 - Getting issue details...</p> <p>STATUS</p>	<ul style="list-style-type: none"> 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	Depend on K8s supporting, no more work to do	<ul style="list-style-type: none"> 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	<p>Partial</p> <p>Need to know more clarification about the security level definition.</p> <p>There are still false positives and third party issues reported in NexusIQ;</p> <p>We will continue to solve critical issues first and then address medium issues.</p> <p>VFC-1201 - Getting issue details...</p> <p>STATUS</p>	<ul style="list-style-type: none"> 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	<p>Migrate VF-C mysql db to mariadb galera cluster</p> <p>VFC-1205 - Getting issue details...</p> <p>STATUS</p>	<ul style="list-style-type: none"> 0 – no ability to scale 1 – single site horizontal scaling 2 – geographic scaling 3 – scaling across multiple ONAP instances
Manageability	1	1	<p>Partial</p> <p>Need to know more clarification about manageability level2</p> <p>But we will update log format to compile log specification</p> <p>VFC-933 - Getting issue details...</p> <p>STATUS</p>	<ul style="list-style-type: none"> 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	<p>APIs documentation update</p> <p>VFC-1207 - Getting issue details...</p> <p>STATUS</p>	<ul style="list-style-type: none"> 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)
Catalog API (SDC)	API to read the NS and VNF Catalog			
Parser API(Modeling)	API for parsing TOSCA file			
Micro-services bus API	API for registration and use of micro-services bus			
Multi-vim API	API to allocate resource to VIM			
DCAE VES collector SB API	API to push vnf fcaps data to VES collector			
A&AI API	API to store inventory			
OOF API	API to chose VIM which is used to deploy VNF			

• 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)
NSLCM API Definition	Network services lifecycle management APIs			Link toward the detailed API description
VNFM Driver API Definition	VNFM Driver component northbound APIs			
VNF LCM API Definition	provide VNF lifecycle management APIs			
Catalog API	NS/VNF package management APIs			

• 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
activiti workflow engine		

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
VFC-1350	Unable to get Rest response from vfc-jujudriver docker containers		Apr 10, 2019	Jul 11, 2019		Unassigned	None		CLOSED	Done
VFC-1349	Unable to get Rest response from vfc-emsdriver docker containers		Apr 10, 2019	Jul 11, 2019		Unassigned	None		CLOSED	Done

VFC-1348	Unable to get Rest response from vfc-nslcm docker containers		Apr 10, 2019	Jul 11, 2019	Unassigned	None		CLOSED	Done
VFC-1347	Unable to get Rest response from vfc-resmanagement docker containers		Apr 10, 2019	Apr 22, 2019	Unassigned	None		CLOSED	Done
VFC-1193	Get flavor Id from OOF		Nov 22, 2018	Aug 12, 2023	Unassigned	None		CLOSED	Done
VFC-1192	svnm zte function name error		Nov 21, 2018	Nov 26, 2018	Unassigned	None		CLOSED	Done
VFC-1189	Data model without port name definition		Nov 15, 2018	Jan 16, 2019	Unassigned	None		CLOSED	Done
VFC-1188	Encode user data by base64		Nov 15, 2018	Aug 12, 2023	Unassigned	None		CLOSED	Done
VFC-1186	Can't create two ports in one network		Nov 14, 2018	Nov 15, 2018	Unassigned	None		CLOSED	Done
VFC-1185	NS update error		Nov 14, 2018	Nov 29, 2018	Unassigned	None		CLOSED	Done
VFC-1184	Query NS and VNF related issue		Nov 13, 2018	Nov 14, 2018	Unassigned	None		CLOSED	Done
VFC-1183	ESR doesn't support domain name in vnfm registration GUI		Nov 12, 2018	Dec 17, 2018	Unassigned	None		CLOSED	Duplicate
VFC-1182	Artifacts paser fail		Nov 09, 2018	Nov 15, 2018	Unassigned	None		CLOSED	Done
VFC-1180	service-vlms.csar security issues		Nov 06, 2018	Nov 06, 2018	Unassigned	None		CLOSED	Done
VFC-1179	Catalog can not parse ETSI standard NS model		Nov 05, 2018	Nov 29, 2018	Unassigned	None		CLOSED	Done
VFC-1161	Error deploying helm VFC release		Oct 22, 2018	Oct 23, 2018	Unassigned	None		CLOSED	Done
VFC-1160	Fix vfc oom deployment error		Oct 22, 2018	Oct 24, 2018	Unassigned	None		CLOSED	Done
VFC-1159	Driver startup error in OOM based deployments		Oct 19, 2018	Oct 24, 2018	Unassigned	None		CLOSED	Done
VFC-1158	VNF package test issues		Oct 19, 2018	Nov 13, 2018	Unassigned	None		CLOSED	Done
VFC-1157	VF-C parse inject_files with error		Oct 18, 2018	Oct 24, 2018	Unassigned	None		CLOSED	Done

Showing 20 out of 47 issues

• 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 recommended 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 the 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](#).