

VID R2 Release Planning

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

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Overview

Project Name	Enter the name of the project
Target Release Name	Beijing Release
Project Lifecycle State	Incubation (Refer to ONAP Charter, section 3.3 Project Lifecycle for further information)
Participating Company	AT&T, Amdocs, Nokia

Scope

What is this release trying to address?

1. Platform maturity - enhance stability, performance, security etc. to strive for carrier-grade maturity.
2. New requirements:
 - a. Change management - support working without a scheduler component.
 - b. Scale out support

Use Cases

VID will contribute to the following use cases:

[Use Case: VoLTE\(approved\)](#)

VID will continue to support to the following use case:

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

[Use Case: vFW/vDNS \(Approved\)](#)

Minimum Viable Product

- Read only "ONAP global role" permission for VID users
- Specific role assignment for components instantiations
- Change management for selected work flows (Upgrade and Configuration)
- PNF support
- Tenant Isolation for test environments
- Owning entity support

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
VID-192	Verify features merged from ECOMP 1802		Feb 28, 2018	May 27, 2018		Unassigned	None	=	CLOSED	Done
VID-180	Support manual scale out		Jan 30, 2018	Aug 12, 2023		Unassigned	None	=	CLOSED	Done
VID-179	Change management - working without scheduler		Jan 24, 2018	Aug 12, 2023		Unassigned	None	=	CLOSED	Done
VID-162	OOM integration		Jan 01, 2018	Aug 12, 2023		Unassigned	None	=	CLOSED	Done
VID-161	Non-Functional requirements - Security (CII passing badge + 50% test coverage)		Jan 01, 2018	Aug 12, 2023		Unassigned	None	=	CLOSED	Done
VID-160	Non-Functional requirements - Scalability		Jan 01, 2018	Aug 12, 2023		Unassigned	None	=	CLOSED	Done
VID-158	Non-Functional requirements - Usability		Jan 01, 2018	Aug 12, 2023		Unassigned	None	=	CLOSED	Done
VID-157	Non-Functional requirements - Performance		Jan 01, 2018	Aug 12, 2023		Unassigned	None	=	CLOSED	Done
VID-155	Non-Functional requirements - Manageability		Jan 01, 2018	Aug 12, 2023		Unassigned	None	=	CLOSED	Done
VID-154	Non-Functional requirements - Stability		Jan 01, 2018	Aug 12, 2023		Unassigned	None	=	CLOSED	Done
VID-148	Non-Functional requirements - Resiliency		Dec 25, 2017	Aug 12, 2023		Unassigned	None	^	CLOSED	Done
VID-139	Refactor Scheduler		Dec 18, 2017	Feb 28, 2018		Unassigned	None	=	CLOSED	Done
VID-136	Support for pProbes		Dec 18, 2017	Feb 28, 2018		Unassigned	None	=	CLOSED	Done
VID-131	Port mirroring - pProbe configuration		Dec 18, 2017	Feb 28, 2018		Unassigned	None	=	CLOSED	Done
VID-127	Agnostic vNF Configuration Update		Dec 18, 2017	Feb 28, 2018		Unassigned	None	=	CLOSED	Done
VID-124	Agnostic vNF In-Place SW Update		Dec 18, 2017	Feb 28, 2018		Unassigned	None	=	CLOSED	Done
VID-120	Active/Deactivate service type transport		Dec 18, 2017	Feb 28, 2018		Unassigned	None	=	CLOSED	Done

VID-116	Tenant Isolation		Dec 18, 2017	Feb 28, 2018	Unassigned	None	=	CLOSED	Done
VID-114	Preload Automation		Dec 12, 2017	Feb 28, 2018	Unassigned	None	=	CLOSED	Done
VID-110	Owning Entity		Dec 12, 2017	Feb 28, 2018	Unassigned	None	=	CLOSED	Done

Showing 20 out of 22 issues

Stories

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
VID-216	Update ReadTheDocs docs folder		Apr 23, 2018	May 07, 2018		Unassigned	None	=	CLOSED	Done
VID-202	Verify R1 and R2 features - integration and regression tests		Mar 26, 2018	May 27, 2018		Unassigned	None	=	CLOSED	Done
VID-201	User interface for invoking upgrade workflow		Mar 22, 2018	Aug 12, 2023		Unassigned	None	=	CLOSED	Done
VID-197	Reach 50% unit test coverage		Mar 11, 2018	Mar 20, 2018		Unassigned	None	=	CLOSED	Done
VID-191	Changes to API to SO for Manual scale out use case		Feb 20, 2018	Apr 22, 2018		Unassigned	None	=	CLOSED	Done
VID-189	VoLTE use case support		Feb 15, 2018	May 07, 2018		Unassigned	None	^	CLOSED	Done
VID-188	UI for Scale Out workflow		Feb 14, 2018	May 07, 2018		Unassigned	None	=	CLOSED	Done
VID-186	docker alignment analyzes		Feb 11, 2018	May 27, 2018		Unassigned	None	=	CLOSED	Done
VID-185	UI changes for working without scheduler		Feb 08, 2018	May 07, 2018		Unassigned	None	=	CLOSED	Done
VID-174	Change management: bypassing scheduler for immediate operations		Jan 23, 2018	Mar 26, 2018		Unassigned	None	=	CLOSED	Done
VID-151	ONAP Support		Jan 01, 2018	Feb 12, 2018		Unassigned	None	=	CLOSED	Done
VID-140	New function to support Scheduler in widget		Dec 18, 2017	Feb 07, 2018		Unassigned	None	=	CLOSED	Done
VID-138	Disassociate PNF instance from service instance		Dec 18, 2017	Feb 07, 2018		Unassigned	None	=	CLOSED	Done
VID-137	Associate PNF instance to service instance		Dec 18, 2017	Feb 07, 2018		Unassigned	None	=	CLOSED	Done
VID-135	Get Port Mirroring Configuration By Policy Node type		Dec 18, 2017	Feb 07, 2018		Unassigned	None	=	CLOSED	Done
VID-134	Associate PNF instance to port mirroring configuration by policy		Dec 18, 2017	Feb 07, 2018		Unassigned	None	=	CLOSED	Done
VID-133	pProbe config create request - MSO API		Dec 18, 2017	Feb 07, 2018		Unassigned	None	=	CLOSED	Done
VID-132	Get pnf-fromModel-byRegion - A&AI API		Dec 18, 2017	Feb 07, 2018		Unassigned	None	=	CLOSED	Done
VID-130	VNF Config Update - API MSO		Dec 18, 2017	Feb 07, 2018		Unassigned	None	=	CLOSED	Done

Showing 20 out of 42 issues

Longer term roadmap

- Fully automated deployment of new VNFs without the need of manual intervention or configuration.
- Support workflows for change management by using the SDC as a provider of workflows capabilities
- Dashboarding scheduled and ongoing change management

Release Deliverables

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

Deliverable Name	Deliverable Description
VID application	Executable, Docker
MariaDB	SQL database scheme
Release documentation	ReadTheDocs, ONAP WIKI pages

Sub-Components

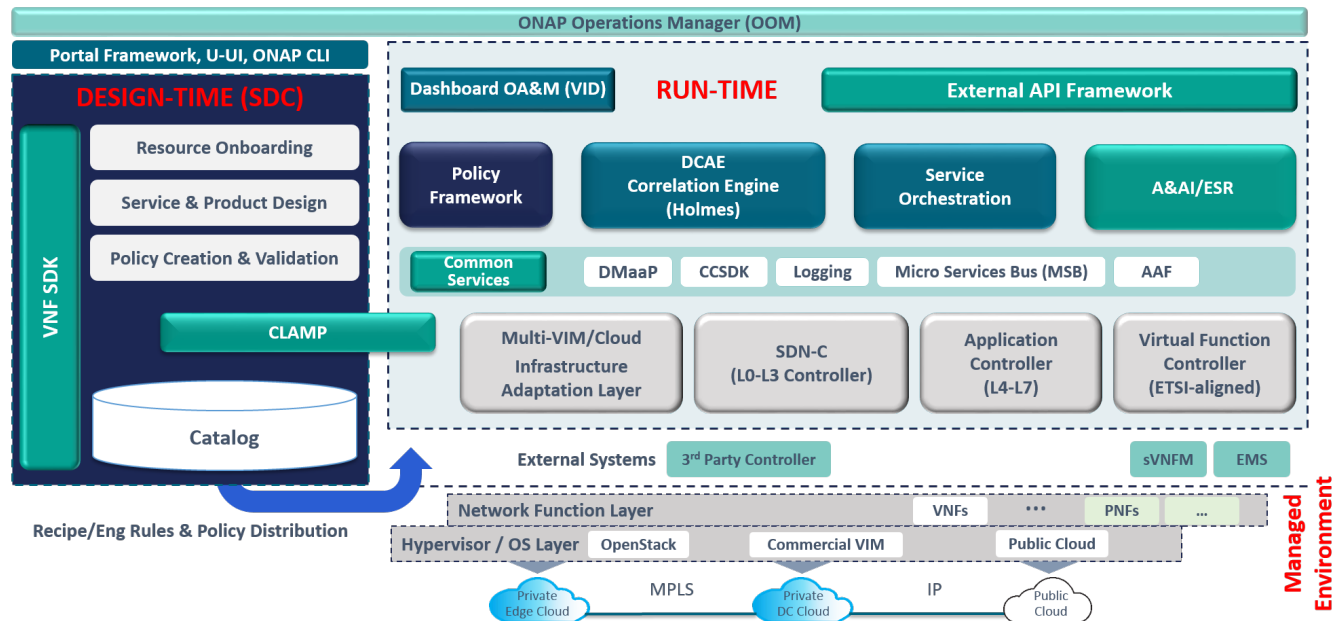
List all sub-components part of this release.
Activities related to sub-components must be in sync with the overall release.

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

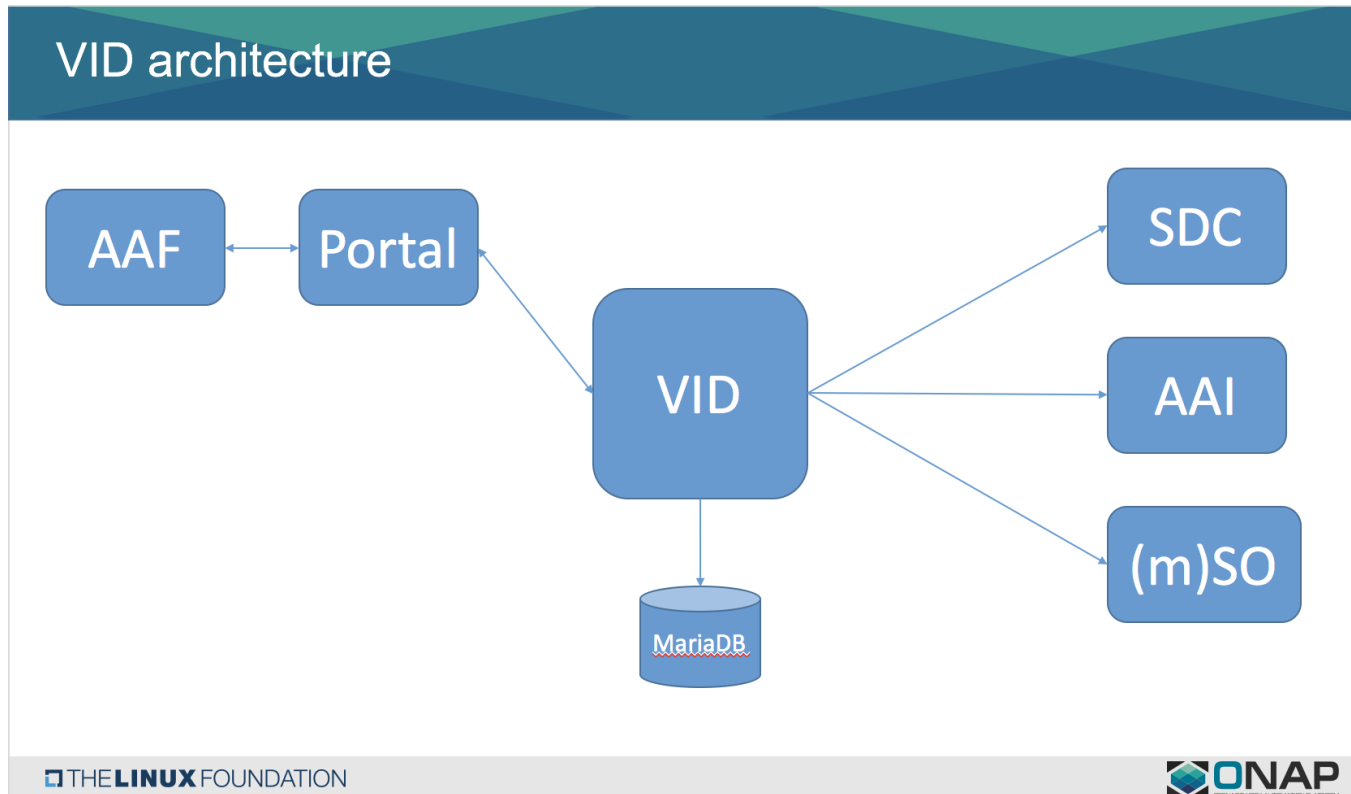
Architecture

High level architecture diagram

VID (Dashboard OA&M) is a run-time component as appear in the diagram:



VID dependencies diagram:



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	0	1	Do benchmark	<ul style="list-style-type: none"> 0 -- none 1 -- baseline performance criteria identified and measured 2 & 3 -- performance improvement plans created & implemented
Stability	0	1	72 hours test	<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	1	2	Use Galera cluster	<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	0	1	Cover 50% with JUnits	<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	0	1	Test single site horizontal	<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	0		<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	Update user guides	<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)
/serviceInstances/v5/<service_instance_id>/configurations/<configuration_id>	SO API	TBD	TBD	Link toward the detailed API description
/serviceInstances/v5/<service_instance_id>/vnfs/<vnf_instance_id>/<request_type>	SO API	TBD	TBD	
business/owning-entities	AAI API - get services by owning entity Id	TBD	TBD	
business/projects	AAI API - get services by project names	TBD	TBD	
network/pnfs/pnf/<pnf_id>	AAI API - get specific PNF	TBD	TBD	
network/logical-links/logical-link/<link>	AAI API - get logical link	TBD	TBD	
cloud-infrastructure/operational-environments	AAI API - get operational environments	TBD	TBD	

• 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)
NA	NA	NA	NA	NA

• 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
Docker	Docker container host	Latest one
MariaDB	SQL DB	10.1.11

• 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.

- Unit tests are run automatically as part of every code merge.
- Once the final Docker image is compiled, it will be installed onto a Docker host and will be checked to ensure no errors occur during start-up.
- Functional testing will occur to ensure that the use cases are functioning correctly.

• 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 their 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
VID-984	VID CSIT tests Guilin image in master	🔴	May 05, 2021	May 05, 2021		Unassigned	None	=	OPEN	Unresolved
VID-961	Run VID with ModernUI	🔴	Feb 18, 2021	Apr 28, 2021		Unassigned	None	=	OPEN	Unresolved
VID-944	Instantiation Status Pause on Failure verbiage	🔴	Jan 22, 2021	Jan 22, 2021		Unassigned	None	≡	OPEN	Unresolved
VID-943	Not able to delete old service instances created of old ASDC service models	🔴	Jan 21, 2021	Feb 23, 2021		Unassigned	None	=	IN PROGRESS	Unresolved
VID-924	filter a&ai query to discard relationship list	🔴	Nov 23, 2020	Nov 23, 2020		Unassigned	None	=	OPEN	Unresolved
VID-923	VID CSIT fails against 7.0-STAGING-latest docker image	🔴	Nov 11, 2020	May 05, 2021		Unassigned	None	=	OPEN	Unresolved
VID-903	SDNC pre-load curl commands failing while instantiate VF module and Network	🔴	Sep 29, 2020	Feb 23, 2021		Unassigned	None	=	OPEN	Unresolved
VID-890	VID is unable to handle special characters in env variables	🔴	Sep 08, 2020	Feb 26, 2021		Unassigned	None	^	IN PROGRESS	Cannot Reproduce
VID-834	Deploy button in VID is not responding - ONAP portal on deploying a service instance	🔴	May 26, 2020	Jun 28, 2020		Unassigned	None	=	IN PROGRESS	Unresolved
VID-831	Vid error on instantiateVFW	🔴	May 22, 2020	Jun 14, 2021		Unassigned	None	≡	REOPENED	Not Done

[10 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](#).