

# Jerma Release Planning

- [Overview](#)
- [Scope](#)
  - [Requirements](#)
- [Release Artifacts](#)
- [Architecture](#)
  - [High-level architecture diagram](#)
  - [Internal Dependencies](#)
  - [External Dependencies](#)
- [Test and Verification](#)
- [Risks](#)

## Overview

Project Name	Enter the name of the project
Target Release Name	Jerma
Project Lifecycle State	Mature

## Scope

Fault Management and Maintenance project scope is to fill gaps for infrastructure fault management and maintenance with minimum impact on VNF service. Fault management is done in earlier releases. In this release, it is to finalize the maintenance part supporting the ETSI definitions with the OpenStack solution. Also to ensure testing is always possible without OPNFV installer by utilizing DevStack for OpenStack testing. Upstream OpenDev (OpenStack) Fenix continues the work and has a solution also for Kubernetes.

## Requirements

No dependency on release requirements

## Release Artifacts

Indicate the work product (Executable, Source Code, Library, API description, Tool, Documentation, Release Note, etc) for this release.

Name	Description	Format (Container, Compressed File, etc.)
<a href="#">DOCTOR-137</a>	VNFM maintenance with ETSI changes	<a href="https://gerrit.opnfv.org/gerrit/c/doctor/+/69405">https://gerrit.opnfv.org/gerrit/c/doctor/+/69405</a>
<a href="#">DOCTOR-136</a>	DevStack support	<a href="https://gerrit.opnfv.org/gerrit/c/doctor/+/69134">https://gerrit.opnfv.org/gerrit/c/doctor/+/69134</a>

## Architecture

### High-level architecture diagram

The latest architecture of maintenance implementation is here:

<https://fenix.readthedocs.io/en/latest/user/architecture.html#high-level-sequence-diagram>

When OPNFV documentation produced for Jerma there is also existing Doctor documentation. This documentation is the same in the previous release and includes also the fault management part.

### Internal Dependencies

For OPNFV Testing FUEL /MCP installer has been used. This will still work for OpenStack Train, but any later OpenStack releases should be tested with multinode DevStack.

### External Dependencies

OpenStack (Rocky, Stein, Train and Ussuri verified)

- Aodh/Ceilometer (Rocky, Stein, Train and Ussuri verified)
- Congress (not currently tested)
- Fenix (OpenDev, latest master)
- Nova (Rocky, Stein, Train and Ussuri verified)
- Vitrage (not currently tested)
- Neutron (Rocky, Stein, Train and Ussuri verified)
- Heat (Rocky, Stein, Train and Ussuri verified)

## Test and Verification

The project has been tested with OPNFV Fuel (Openstack Train) and externally with OpenStack DevStack (Rocky, Stein, Train and Ussuri)

Jerma changes tested with Fuel for both fault management and maintenance: <https://build.opnfv.org/ci/job/doctor-verify-master/237/>

Fenix also has instructions and tools to test maintenance in DevStack for OpenStack and Kubernetes use case. It includes also support for testing with Doctor: <https://opendev.org/x/fenix/src/branch/master/fenix/tools>

## Risks

List any risks and a plan to mitigate each risk.

Risk Description	Mitigation Plan
-	-