



# OPNFV

OPNFV Continuous Delivery  
Release Process

Please direct any questions  
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# Agenda

- Overview
- Proposal: Use Continuous Delivery as the basis for a new OPNFV release process
- Goals
- User Stories
- High Level Planning



# Overview

- After several release cycles, it has become clear that the current OPNFV release process is not meeting the needs of some community members.
  - Developers that want to be working closely with the leading edge of upstream communities
  - End users that need release output sooner following the releases of upstream components, such as OpenStack
  - End users that want higher quality releases

# Overview



- Other issues
  - Rigid release cadence.
    - What about projects that wish to release more frequently, or outside the OPNFV major releases?
  - No differentiation between release management focus required by different projects
    - Some projects require more intense management due to dependencies
    - Some projects need less attention

# Overview

- Other issues (cont.)
  - Release management tends to focus on feature projects that use scenarios
    - What about test frameworks?
    - What about other tools?
  - Releases driven by cadence, not by quality



# Proposal: Use Continuous Delivery as the basis for a new OPNFV release process

- XCI has demonstrated success during Fraser trials in enabling OPNFV developers to work closely with upstream communities
- The Apex installer project has announced their intent to provide upstream master by default
- Continuous Delivery process provides the flexibility for users with different goals:
  - Work with the tip of master for some, or all, upstream components
  - Work with specific tags or released versions, or stable/topic branches



# Proposal: Use Continuous Delivery as the basis for a new OPNFV release process

- Fahti has shared plans to implement promotion levels in XCI, using progressive levels of test.
  - Resource efficient
  - May be used as the basis for release
    - “developer” releases use lower levels of promotion to qualify
    - “stable” releases use higher levels of promotion to qualify



# Goals

- Enable developers to work closely with upstream communities **AND** to do *timely* stable releases with one process.
- Gate releases based on test results appropriate for their intended purpose (e.g. “developer”, “end user”, others?)
- Enable developers to do additional releases and/or releases outside of the OPNFV cadence, where appropriate
- Consider applying ODL concept of managed/unmanaged projects





# User Stories



- <https://wiki.opnfv.org/display/SWREL/User+stories+for+OPNFV+release+artefacts>

# High Level Planning

- The Gambia release will be similar to our past releases
- We will use the period of the Gambia release as a transition period for projects to migrate to continuous delivery.
- Beginning with the “H” release, we will adopt continuous delivery principles, as well as promotion-based releases
- We will continue to support a 6-month major release cadence.



# High Level Planning

- We will develop new release milestones consistent with the new process:
  - Declare scenarios
  - Propose testing for each promotion level
  - Implement testing
  - Promoted to daily
  - Promoted to weekly
  - Documentation
  - Release



## Questions?

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