Large Contributing Openstack Operators (LCOO) Working Group Proposal
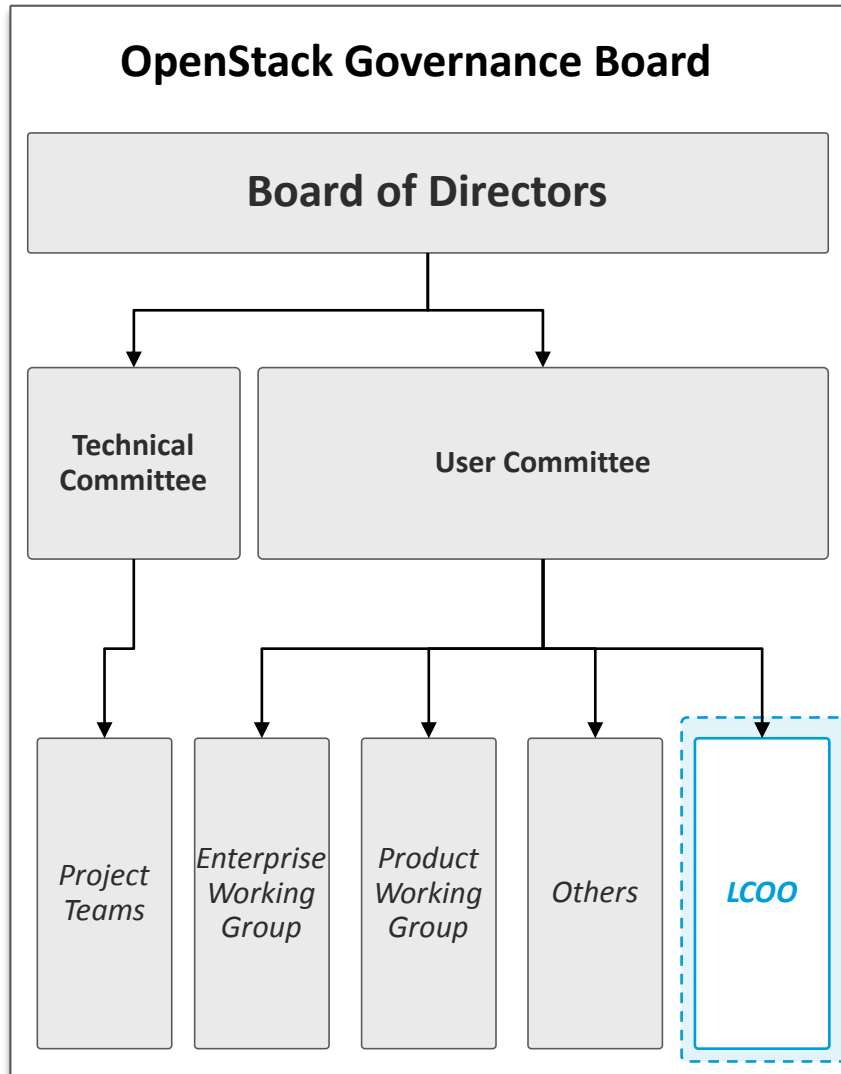
October 26, 2016

LCOO Overview

- Focus on the needs of large operators deploying massively distributed clouds
  - Horizontal scale
  - Multi-instance
  - Multi-tenant
- Focus on all members being *contributors* and on orchestrating *common contribution* toward a *commonly defined roadmap*
- Current Membership: AT&T, Comcast, Intel, NTT, Orange, Reliance Jio, Walmart
- Weekly video meeting conferences since early August 2016

The OpenStack Community Governance and LCOO

OpenStack Governance Board

Board of Directors

Technical Committee

User Committee

Project Teams

Enterprise Working Group

Product Working Group

Others

LCOO

Large Contributing OpenStack Operators (LCOO)

Mission:
OpenStack Community Contributors with shared interests in:

- Driving Community awareness of platform enhancements to address use cases of large service providers & horizontally scaling, distributed, cloud operators.

- Accelerating the enterprise maturity and adoption of OpenStack

Members

- **Current:** AT&T, Comcast, Intel, NTT, Orange, Reliance Jio, Walmart
- **Expressed Interest:** Bell Canada, SK Telecom, Deutsche Telecom

Guiding Principals

- Align with the OpenStack Foundation
- Contribute all Work Upstream

Membership Requirements

- Large Operators or Service Providers
- Participate equally with members / activities
- Contribute at least 4 dedicated FTEs to OpenStack Platform
- Contribute at least 2 FTE's to LCOO upstream roadmap activities

Key Tenets

- Drive Community Roadmap Awareness
- Drive Focused OpenStack Enhancements
- Increase Upstream Contributions to OpenStack
- Accelerate OpenStack Innovation

LCOO

LCOO Focus Areas

Testing

Tempest
- Improves testing, reliability, & upgradeability
- Reduces technical debt

Logging Improvements

Logging
- Addresses alarming & logging concerns
- Hardens the internal core

Telemetry

Ceilometer
- Addresses performance and scale issues
- Hardens the internal core

Resource Management

OpenStack Resource Management
- Reduces Technical Debt
- Builds Community Credibility

Networking

Gluon, Contrail, Neutron
- Hardens the Integrated Core
- Enables Tenant Transparent Upgrades

Containers

Kubernetes
- Focus is containerization of the Control Plane
- Hardens the Integrated Core

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Large Contributing OpenStack Operators (LCOO) Charter

Charter

LCOO Charter

- The members reviewed and tentatively agreed upon a draft charter (additional minor modification expected)
- Registering as a formal OpenStack "Working Group" is in Progress

Membership

Minimum Criteria:
- Be a large Operator and/or Network Service Provider
- Participate equally with other members in the meetings and other activities of LCOO
- Be a contributor to the OpenStack platform with at least 4 dedicated FTE's contributing
- Contribute a minimum of 2 FTE's to upstream activities aligned to the LCOO roadmap

Mission

OpenStack Community Contributors with a Shared Interest In:
- Accelerating the enterprise maturity and adoption of OpenStack
- Driving Community awareness of platform enhancements necessary to address the unique use cases of network service providers and horizontally scaling, massively distributed, cloud operators.

Guiding Principals

Align with the OpenStack Foundation:
- Work openly and transparently within established channels
- Communicate Roadmap through Enterprise, Product, and Operator Working groups
- Engages with the OpenStack Foundation Board, Technical Committee and User Committee to drive coordination across projects
- Works with certain groups outside of OpenStack such as OPNFV whose work has critical impacts on the platform
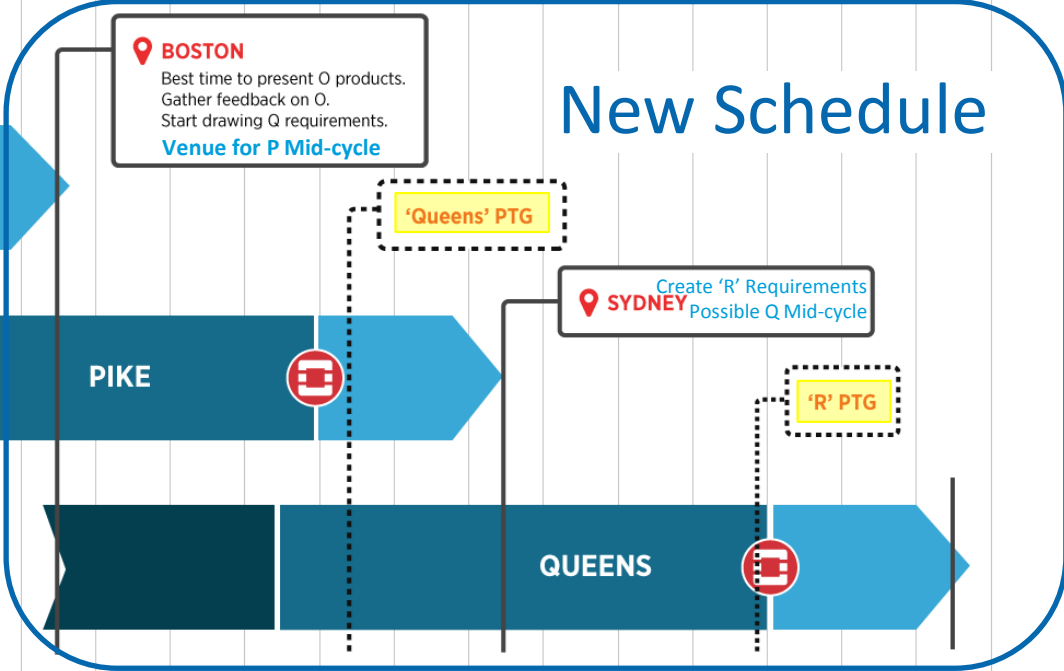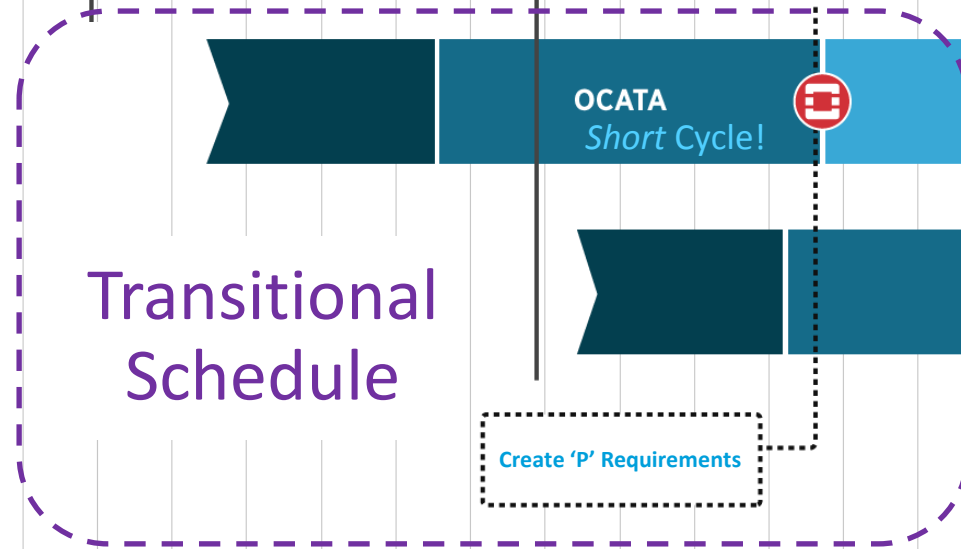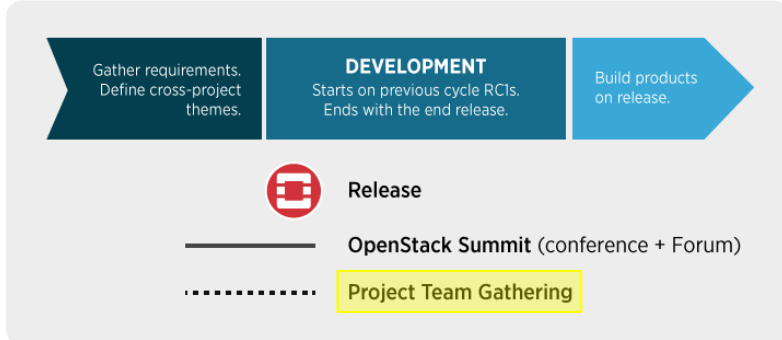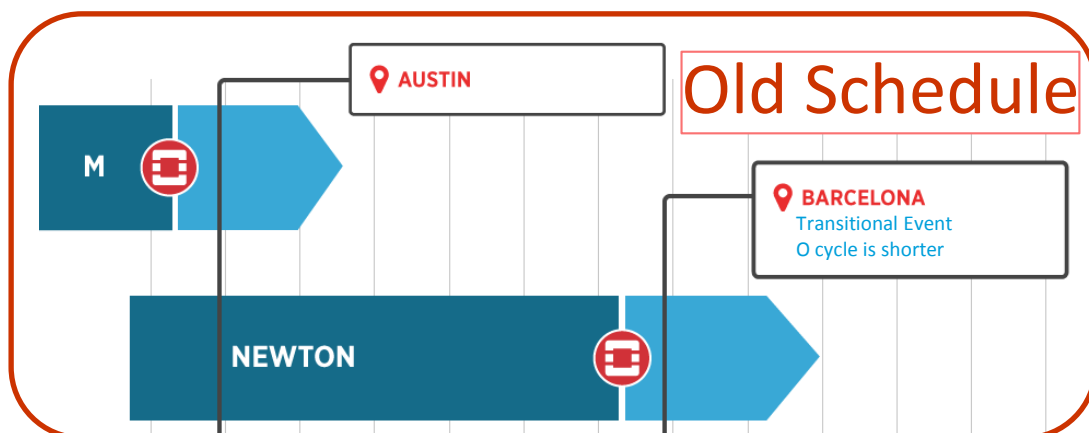
Contribute all Work Upstream:
- Committed to furthering open standards and preventing vendor lock-in by ensuring that all work is contributed upstream.
- Work within the community to advance the platform for all

Key Tenets

Drive Community Roadmap Awareness:
Drive Community awareness of needs of Large Operators / Network Service Providers.
- Publishing use cases and Roadmap
- Contribute thought leadership to Working and User Groups

Drive Focused OpenStack Enhancements:
Transparently engage in continuous enhancement of the OpenStack platform.
- Coordinate development activities of its member's
- Alignment with the spirit / goals of the OpenStack Foundation

Increase Upstream Contributions to OpenStack:
- Advance the OpenStack platform by a joint LCOO engineering team.
- Shared objectives along a number of vectors: Resiliency/Scale; Network / NFV; Operations; Workload Enablement; Multisite Federation; Bug Fixes & Code Reviews

Accelerate OpenStack Innovation:
- Promote greater opportunity for innovation, learning, mentoring and accomplishment.
- Engage more broadly and effectively within the community to raise awareness and accelerate improvement.

Governance

Governance Board:
- Equal representation from each of its member Companies
- Annually elected Chairperson from among its members
- Operates by consensus ; if consensus cannot be reached, Chairperson may call for a vote
- Meets quarterly to produce, prioritize and publish a common OpenStack Roadmap
- Meets quarterly to formulate Strategy for Roadmap delivery
- Collaborates to drive Community awareness and acceptance of its Roadmap objectives
- Directs member resources to collaborative upstream activities in alignment with Roadmap and Strategy
- Coordinates engagement with the OpenStack Foundation Board, Technical Committee and User Committee
- Coordinates member participation in Working Groups
- Meets monthly to re-align on Strategy execution, review progress and (re)direct activities as needed
- Meeting agenda's published ahead of time for board meetings and meeting results published and open for all (members and non-members) to view

LCOO

New Release / Summit / Mid-cycle Schedule

http://www.openstack.org/ptg