

TSC Update

DUG 2024



<https://foundation.daos.io>



TSC Structure

- Voting Members

- *Argonne*: Kevin Harms
- *Google*: corwin
- *HPE*: Lance Evans
- *Intel*: Liang Zhen
- *Vdura*: Brian Mueller
- *TSC Chair*: Johann Lombardi

- Meet weekly with rotating schedule

- Members distributed across US, EU, China and Australia

- Meeting notes to be public

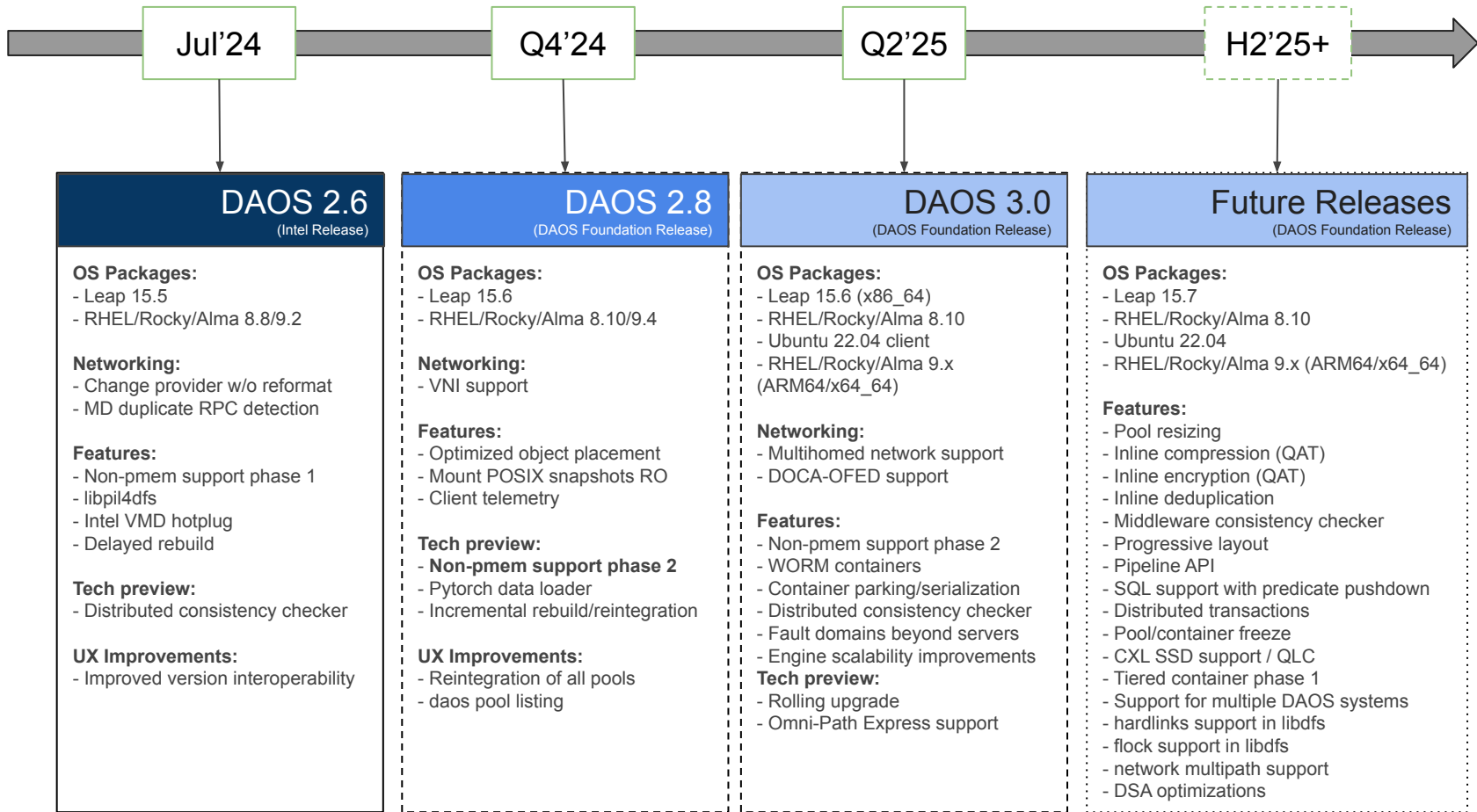


TSC Scope

- Define community roadmap (2.8+)
 - Gather contributions from all community members
 - Publish roadmap on <https://daos.io>
- Produce community releases (2.8+)
 - Track progress, review jira tickets & test results
 - Tag release and sign/distribute packages
 - Provide docker images
- Organize DAOS development
 - Simplify contributions
 - Organize gatekeeping (members, responsibilities, process)
 - Document contribution process

TSC Scope

- **Community test infrastructure**
 - Goal: artifacts and logs available to all contributors
 - Expand coverage
 - ARM/AMD
 - More fabrics
 - More linux distributions
 - Cloud environments
 - Focus on pmem-less mode
- **Working groups**
 - Open to anyone
 - Forums for DAOS users/administrators/contributors to exchange
 - Rotating schedule



2.8 Plan

- **2.8 milestones**
 - Test builds
 - Feature freeze
 - Code freeze
 - Release candidates
 - Release: shooting for Q4'24
- **Generate more release candidates**
 - Give opportunity for more community testing
- **Train model**

3.0 Plan

- Rolling upgrade as the main feature
 - Protocol change
- Defining features to be contributed by different partners
 - High level designs
- Train model

DAOS 3.0

(DAOS Foundation Release)

OS Packages:

- Leap 15.6 (x86_64)
- RHEL/Rocky/Alma 8.10
- Ubuntu 22.04 client
- RHEL/Rocky/Alma 9.x (ARM64/x64_64)

Networking:

- Multihomed network support
- DOCA-OFED support

Features:

- Non-pmem support phase 2
- WORM containers
- Container parking/serialization
- Distributed consistency checker
- Fault domains beyond servers
- Engine scalability improvements

Tech preview:

- Rolling upgrade
- Omni-Path Express support