COOLING ENVIORNMENTS

CDU Workstream Update

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The CDU workstream - Turns Liquid Cooling into Deployable Infrastructure

SCALE AI CAPACITY

Standard CDU requirements support higher rack densities and repeatable deployment across data centers.

ENABLE INTEROPERABILITY

Common interfaces, terminology and test methods reduce integration risk across IT, facility and supplier ecosystems.

IMPROVE RELIABILITY

Shared guidance for controls, Coolant quality, redundancy and validation improves safety, uptime and serviceability.

CDU Workstream Progress: Guidance is Moving toward Publication

PUBLISHED

- Coolant Distribution Units: Specifications and Qualifications
- OCP Project Deschutes by Google
- OCP Project Brazos by Google

ACTIVE CONTENT

Detailed CDU Information White Paper is being developed section by section—covering, components, controls, electrical and flushing scope.

FUTURE PLAN

- Detailed CDU White Paper
- CDU Flushing and Commissioning guidelines
- Pumped two Phase Cold Plate CDUs

2025 | ESTABLISHED

2026 | IN PROGRESS

NEXT | DELIVER

Coolant Distribution Units: Specifications and Qualifications



Call to Action

- Problem to solve
  - Establish a unified roadmap for CDUs designed for high-power racks, standardize vendor open-source designs, and align on specification and qualification standards to ensure reliability and compliance.
- How to get involved in the project/sub-project community:
  - Join our OCP group: ocp-coolant-distribution-unit
- Timeline for contribution availability:
  - Nov 2026-

Thank You!

