

2024 OCP Global Summit - Breakout Session Topics

- OCP Project: Cooling Environments
 - This track is designed to address the increasing demand for data center cooling innovations. Includes all Sub-Projects and workstreams under the Project.
- OCP Project: Data Center Facility (DCF)
 - Design, commissioning and operational practice of the data center, power and cooling infrastructure in support of IT equipment, DC infrastructure management. Includes all Sub-Projects and workstreams under the Project.
- OCP Project: Hardware Management
 - This project creates and designs specifications to enable interoperable manageability for Open Compute Platforms, with core focus on baseline hardware manageability and out of band management. Includes all Sub-Projects and workstreams under the Project.
- OCP Project: Networking
 - Networking hardware and software deployed into data centers, telecom central offices and enterprise. Includes all Sub-Projects and workstreams under the Project.
- OCP Project: Open System Firmware (OSF)
 - An open firmware development project aiming to allow safe modification and sharing by the owners. This project, for example, has contributions that leverage Coreboot/Linux Boot by filling the gaps against UEFI BIOS. In addition to System ROM firmware the intent is to extend this modification architecture and capability to BMC firmware and IO device firmware.
- OCP Project: Rack & Power
 - The Rack & Power Project focuses on rack standards that are designed for data centers, integrating the rack into the data center infrastructure. Includes standard 19" and OpenRack 21" architectures, power shelves, bus bars and the enclosures.
- OCP Project: Security
 - The goal of the OCP Security project is to improve security across data centers through open standards. It provides specifications for hardware and software on security implementations.
- OCP Project: Server
 - Technologies and products for compute and hardware acceleration including but not limited to silicon, modularity, products and integration solutions. Includes all Sub-Projects and workstreams under the Project.
- OCP Project: Storage
 - Cloud storage device's electro-mechanical, interface standards, API standards and storage appliance design contributions. Includes all Sub-Projects and workstreams under the Project.
- OCP Project: Sustainability
 - The data center industry is at the forefront of ever increasing power usage and greenhouse gas emissions in an age when climate change impacts are hard to

ignore. OCP Sustainability is working to enable progress towards industry goals by addressing unique challenges and opportunities presented within the Open Compute Project ecosystem - to deploy industry best practices that promote reusability and circularity. Includes all Sub-Projects and workstreams under the Project.

- OCP Project: Telco and Edge
 - Technologies and products for telecom functions and far edge deployment including but not limited to silicon, modularity, products and integration solutions. Includes all Sub-Projects and workstreams under the Project.
- OCP Project: Time Appliances Project (TAP)
 - Aims to bring together the community of datacenter operators, application developers, and equipment and semiconductor companies together to enable datacenter time-sensitive applications. Includes all Sub-Projects and workstreams under the Project.
- OCP Project: Test & Validation
 - The goals of the T&V project are to: Make tests and diagnostics more portable between different users. Standardize an I/O format for diagnostics. Build a community for sharing diagnostics.
- OCP Special Focus: OCP Market Impact & Supply Chain
 - The track will highlight the market impact study conducted by IDC of OCP recognized hardware and solutions (by revenue, segment, region, component, etc.). It will also feature a detailed look at the OCP supply chain and how organizations provide services and support to deliver a multi-vendor supply chain. Additional insights include success stories from the OCP Solution Provider Program including: OCP Ready™ for Hyperscale Facilities, OCP Experience Centers and OCP S.A.F.E.
- OCP Special Focus: Photonics
 - This track will explore opportunities for collaboration between organizations adjacent to OCP working on optical networking (researchers and their vendors). Areas of interest include new optics technologies that will reduce power consumption, data center optics (400G, 800G and 1.6T Ethernet), DCI interconnect (400G, 800G, and 1.6T-ZR), and optical chiplets.
- OCP Special Focus: Artificial Intelligence (AI)
 - This track explores open innovations driving efficiency and sustainability in AI systems, covering data center IT and physical infrastructure, systems management, networking and interconnection, composability and memory requirements, applying AI to network management, and optimizations such as quantization and specialized AI chiplets.
- OCP Special Focus: OpenRAN
 - The track highlights and provides status towards OCP's Evenstar workstream, a pioneering approach to developing open, modular, and interoperable radio units. Evenstar aims to establish requirements and specifications for an open 5G/xG radio unit platform compatible with the 3GPP roadmap and Open RAN standards.

By supporting the CU/DU ecosystem through robust, AI-accelerated platforms with open and private software stacks, this end-to-end approach seeks to deliver open platforms that reduce costs, strengthen supply chains, and accelerate next-generation wireless deployment. Key areas of focus include modular and scalable architectures for customizable radio units (RFIC, RFFE components and subsystems), open interfaces, deployment considerations (form factors, field logistics), interoperability, performance, sustainability, reliability, test/measurement, and security.

Relevance Criteria

- The product is based on an approved specification (listed in the [Contribution Database](#)) and is present in the [OCP Marketplace](#) by October 15, 2024.
- The specification has been approved by OCP and is listed in the [OCP Contribution Database](#) by October 15, 2024.
- The data center facility has completed the OCP Ready™ Facility Self Assessment and is listed in the [OCP Marketplace](#) by October 15, 2024.
- An organization that has adopted OCP recognized solutions or services on the [OCP Marketplace](#) (OCP recognized products, OCP Ready™ Data Center Facilities, Integrated Solutions) by October 15, 2024.
- The organization is participating in the OCP Experience Center Program and wishes to share results and best practices for success.
- Data center facility operator showcasing OCP best practices.
- The organization is sharing learnings from OCP deployments demonstrating business value such as reduction in CAPEX, OPEX and Energy Efficiency.
- The organization has built a managed service or professional services offering for deploying and supporting OCP recognized solutions. Highlighting specific examples of performing these services to enterprise level customers in key vertical markets such as telecom, Cloud SP, enterprise, retail, public sector, etc.
- The organization is deploying OCP recognized equipment (cards/accessories/components/ modules) and why they chose OCP.
- The organization is testing its software on OCP recognized products and listed in [OCP Github](#).
- The organization is developing an open tool to support OCP recognized products which is listed in [OCP Github](#).
- The organization has built integrated solutions using OCP recognized hardware which leverages traditional enterprise software; highlighting use cases, workloads and can share specific examples of end user deployments along with business results. This may include:
 - OCP approved contributions (white papers, guidelines, reference designs, etc)
 - OCP recognized (OCP Accepted™ or OCP Inspired™) products
 - OCP recognized Integrated Solutions
 - Use of tools, firmware and software on the [OCP Github](#)

- The organization has a new contribution (with a signed Contribution License Agreement) that is in process and you are looking for feedback from the Project Community.
- The current Project Community is discussing an on-going work effort and the organization has additional information in support of these work efforts and the data is open for discussion and not confidential.
- The organization is part of a relevant adjacent community and you can describe which OCP Projects are impacted by your work and how that work will benefit both communities.
- Other - all presentations must discuss relevance to OCP.

[CLICK HERE](#) to submit an Abstract for a Breakout Session.