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THE OCP COMMUNITY

Archana Haylock, Community Director
Open Compute

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FOUNDATION STAFF



Rocky Bullock
Chief Executive Officer



Archna Haylock
Director, Community



Steve Helvie
VP, Channel Development



Bill Carter
Chief Technology Officer



Dirk Van Slyke
Director, Marketing & Communications



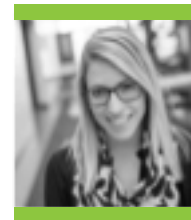
Michael Schill
Membership Community Specialist



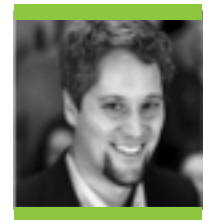
John Laban
Representative, Europe



Rajeev Sharma
Director, Software & Technologies



Kali Burdette
Manager, Meeting & Events



Nick Bullock
Director, Finance

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OCP MEMBERSHIP FACTS

- ~200 Corporate Members
 - Adopters
 - Suppliers (HW and SW)
 - Solution Providers
- 6000 participants in our community
 - Technical (HW and SW)
 - Sales/Business Development
 - Executives
 - Manufacturing/Process
 - Facilities
 - Academia
- Member Companies from all over the world

OCP Membership Directory: <https://www.opencompute.org/membership/membership-organizational-directory>

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GROWTH OF OCP

(FOR NON-BOARD MEMBER COMPANIES)

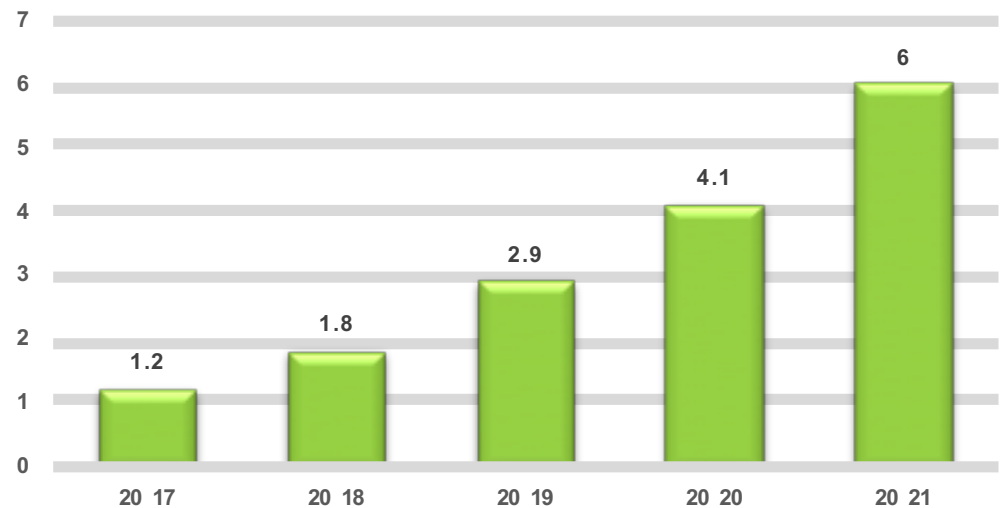
Double Digit Growth thru 2021

Americas' CAGR = 47%

APAC CAGR = 103%

EMEA CAGR = 70%

Total OCP Revenue (\$ Billions)



OCP Market Impact Assessment



<https://www.youtube.com/watch?v=pdpPKAo-HUY&feature=youtu.be>

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OCP CORPORATE MEMBERSHIP



To find out more: <https://www.opencompute.org/membership>

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OCP COMMUNITY: PROJECTS & SUB-PROJECTS



NETWORKING

ONL, ONIE, SAI, SONiC,
CAMPUS BRANCH WIRELESS



RACK & POWER

ADV COOLING SOLUTIONS,
POWER SHELF INTEROPERABILITY



STORAGE

JDA PROJECT
ARCHIVAL



SERVER

PCI 3.0 MEZZ



DC Facility

MODULAR DC



HPC



TELCO

OPEN EDGE



HW MGMT



Open Sys FW



SECURITY

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HOW TO PARTICIPATE: PROJECT COMMUNITIES

JOIN

- Project Mailing Lists
- Project Calls

DRIVE

- Project Focus
- Thought Leadership

RUN

- Project Leaders
- IC Committee

CONTRIBUTE

- Specs/Designs
- RAs/Tested Configs/
White Papers/etc.

ATTEND

- OCP Summit
- OCP Meetings
- OCP Panels
- OCP Engineering Workshops
- OCP Days
- OCP Events

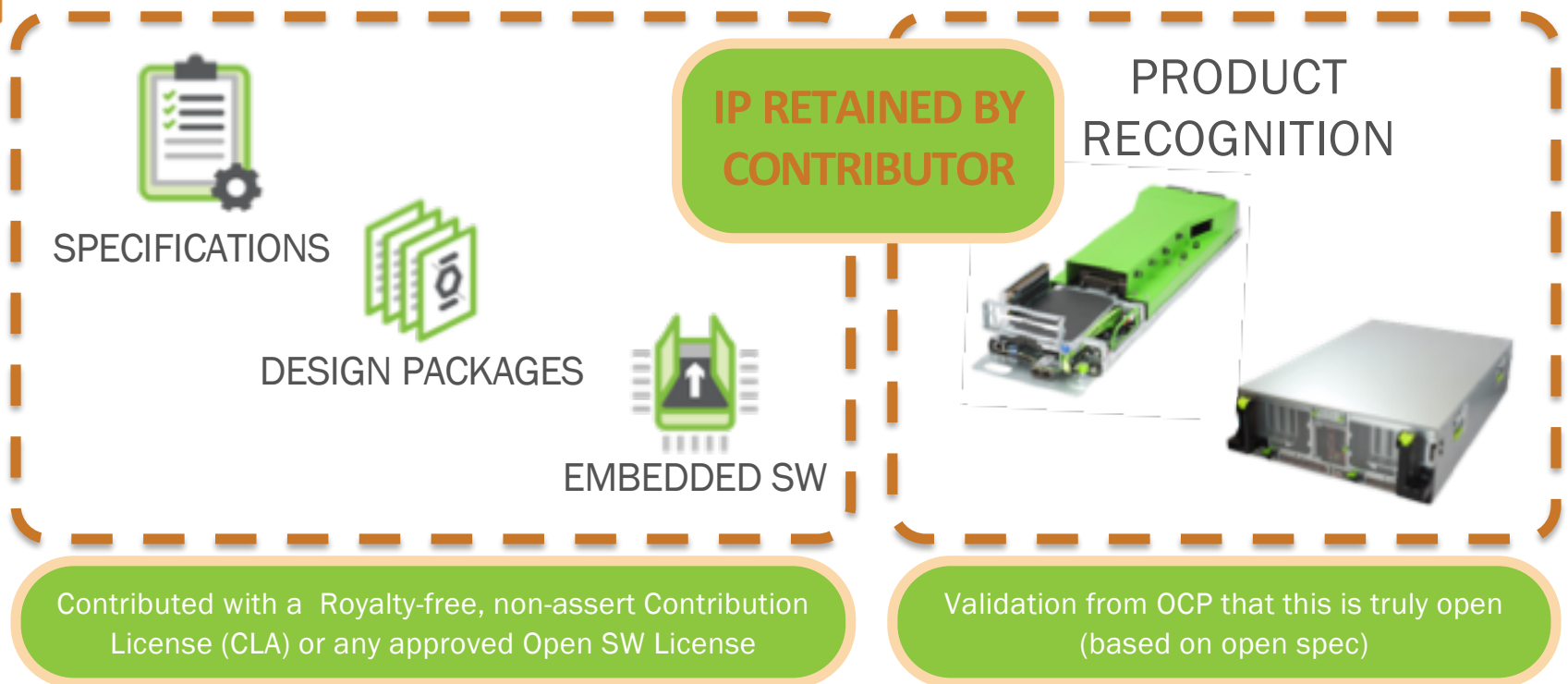
<http://www.opencompute.org/projects/>

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CONTRIBUTING TO OCP



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HOW TO CONTRIBUTE



SPECIFICATIONS



DESIGN FILES



PRODUCT
RECOGNITION

Traditional Contributions

- Specifications for servers, cards, racks, switches, power, storage, etc.
- Design Package including gerbers, schematics, BOM, CPLD Source & binaries, etc.
- "validation" of products – No IP transfer
 - - based on OCP approved specs
 - - meets OCP Tenets
 - - issue OCP Certification Marks

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HOW TO CONTRIBUTE



REFERENCE
ARCHITECTURE



TESTED
CONFIGURATIONS



WHITE
PAPERS



EMBEDDED
SOFTWARE



CASE STUDIES



WORKSHOPS
SUMMITS



TESTIMONIALS
SEMINARS



VIDEOS

Non- Traditional Contributions

- Reference Architectures
- White Papers utilizing OCP Solutions
- Tested Configs utilizing OCP HW
- Embedded SW - Any SW that has access to HW
- OCP Centric Videos, Seminars, Workshops, etc.

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SO MANY WAYS TO GET INVOLVED



SPECIFICATIONS



REFERENCE
ARCHITECTURE



TESTED
CONFIGURATIONS



WHITE
PAPERS



EMBEDDED
SOFTWARE



DESIGN
FILES



PRODUCT
RECOGNITION



CASE STUDIES



WORKSHOPS
SUMMITS



TESTIMONIALS
SEMINARS



VIDEOS

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OCP PRODUCT RECOGNITION

PRODUCTS VALIDATED BY OCP CARRY THE OCP MARK



Products that comply 100% with an existing approved specification and the design files are open sourced and available. All levels are eligible.

For Adopters
Are they truly open?
Look for the OCP Cert Marks
Include them in your RFP



Products that comply 100% with an existing approved specification and are available. OCP Silver, Gold or Platinum Members are eligible.

For Suppliers
Apply for the Cert Mark @ OCP
It is FREE
Get the Logo and advertise!

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OCP FACILITY RECOGNITION

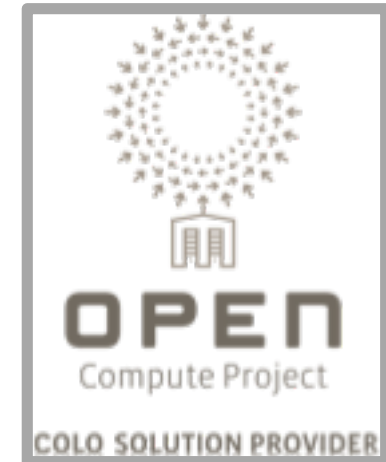


OCP Guidelines for Colo - Checklist

File Edit View Insert Format Data Tools Add-ons Help Last will was made on May 16 in Brown Revisor

Data Center Subsystems		Acceptable	Optimum
Data Center Access	Must have		
Data Center Access	Permit ramp		Available
Data Center Access	Goods in Area	Sufficiently sized to accommodate 24 crated cabinets (add size in sq. m ² sq. ft.)	Sufficiently sized to accommodate 30 crated cabinets (add size in sq. m ² sq. ft.)
Data Center Access	Secure storage area	Sufficiently sized to accommodate 24 crated or uncrated racks	Sufficiently sized to accommodate 30 crated or uncrated racks
Electrical Systems	Must have		
Electrical Systems	In Rack Power shed	2+1 redundancy	3+1 redundancy
Electrical Systems	Number of independent circuits to the rack	1N (3)	2N (6+6)
Electrical Systems	Circuit Capacity	140 33A	140 33A
Electrical Systems	Power receptacle / VWP type	0150505 2 1 wire or 00 309 33A	0150505 2 1 wire or 00 309 33A
Electrical Systems	Voltage (single phase)	180 - 204 VAC	180 - 204 VAC
Electrical Systems	Frequency	67-69 Hz	67 - 69 Hz
Electrical Systems	Control, upstream UPS	Yes - if no BBU	No - with BBU
Electrical Systems	Interconnections		
Electrical Systems	In Rack Battery Backup Unit (BBU)	Onion	Onion or LFPOR
Electrical Systems	BBU Autonomy time	90 seconds	+3 minutes
Electrical Systems	Control, upstream UPS	None	None
Electrical Systems	Generator Start-up time (if using rack BBU)	+ 1 minute	+ 1 minute
Cooling Systems	Must have		
Cooling Systems	Rack airflow direction	Front to Back	Front to Back
Facilities Systems	Air containment methods	Containment not/hold applicable	Not wide containment

Revision, License & Use Checklist - Simple Checklist - Detailed Recognition Scorecard



Facilities that are compliant with the OCP's Colo Guidelines will receive an OCP Ready Mark. This means that they are ready for OCP Solutions.

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ADOPTING OCP GEAR



Go to the OCP Solution Provider Directory and find your local OCP SPs.

<https://www.opencompute.org/sp/open-compute-project-solution-providers>

Go to the OCP Marketplace to find OCP Solutions

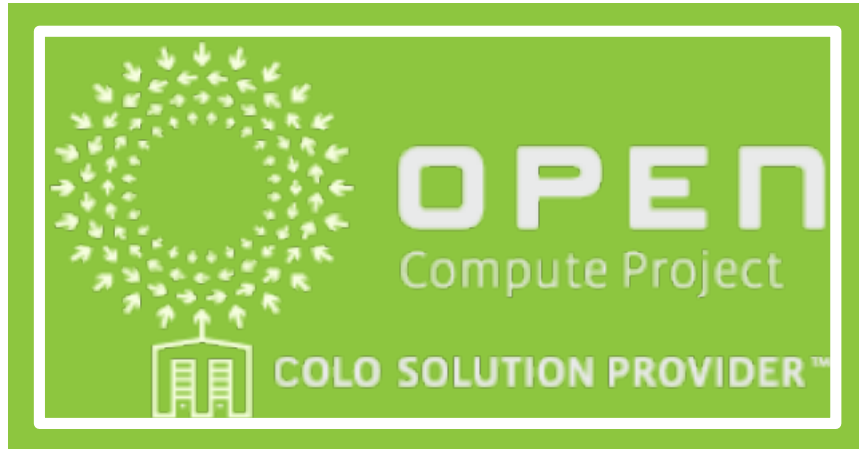
<https://www.opencompute.org/products>

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USING OCP FACILITY



Go to the OCP Colo Solution Provider Directory and find your local OCP Colos.

<https://www.opencompute.org/sp/open-compute-project-solution-providers>

Go to the OCP Marketplace to find the exact location of those OCP Ready™ Facilities.

<https://www.opencompute.org/product>

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OCP – CALL FOR ACTION

- Each Project has a charter - **READ IT**
- Each Project has volunteer leaders - 1 or 2 Project Leads and 1 Tech Steering Committee Rep - **INTRODUCE YOURSELF**
- Each Project has a WIKI page. Sub-projects have their own WIKI. - **READ IT**
- Each Project/sub-project has a mailing list. - **JOIN THE LIST**
- Each Project/sub-project meets separately for their calls - some are monthly, some are weekly. - **ATTEND THE CALLS**
- All calls are recorded. - **LISTEN IF YOU CAN NOT ATTEND LIVE**
- Projects have workshops. - **REGISTER FOR WORKSHOPS**
- **THINK OCP WHEN YOU LOOK AT YOUR OWN INFRASTRUCTURE**

CONSUME. COLLABORATE. CONTRIBUTE.

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