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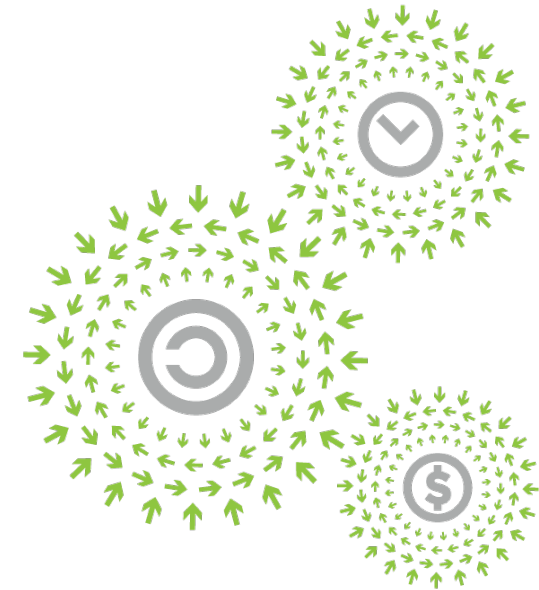
Telecom &
openEdge

openEDGE Ecosystem Status

Mike Moore, Regional Product Manager



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Overview of openEDGE Chassis

First x86 solution designed to fully support edge / far-edge cloud deployments



Ultra-small footprint



ARCHITECTURE

- 19" compatible: fits in any 600mm cabinet
- Compact form factor: 3RU high chassis
- Sleds either 1RU or 2RU high
- Fully front-operated (cabling, open rack-like tool less serviceability)
- Support for high end accelerators
- High availability: No SPOFs, redundant fans, hot swap storage
- Redundant fans; air flow configurable front to rear/rear to front

Environmental

- Full NEBS compliancy, seismic zone 4 [GR-63-Core, GR-1089-Core]
- Extended operating temperature range: -5C..+45C [ETSI EN300 019-1-3 Class 3.2]

DIMENSIONS

- 130.6 (3RU) x 440 x 430 mm (H x W x D)
- Ca. 12.0 kg / 26.5 lbs. (Chassis with PSU's and RMC)

POWER

- 2N redundant AC & DC power supplies
- Power fed to sleds through backplane
- 400W per 1U sled

MANAGEMENT

- All sleds managed through single interface in RMC unit
- On board BMC (in server sleds)

COMMODITY

- support on server sleds
- Memories, disks and NICs from common AirFrame portfolio



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openEDGE Ecosystem Status



TELCO

openEDGE product evolution

- April openEDGE was announced at NFV World Congress
- Planning began for openEDGE contribution to OCP and sub committee formation
- Working Demo shown at Amsterdam Summit
- Draft Specifications Released
- Commercial Availability Achieved
- First Commercial Contract
- F2F Design Workshop held in Mountain View
- V1.2 of the Chassis Specification currently under review
- Continue to promote community involvement and adoption



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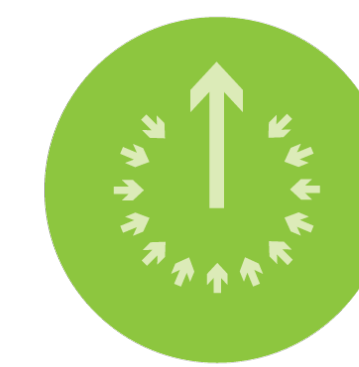


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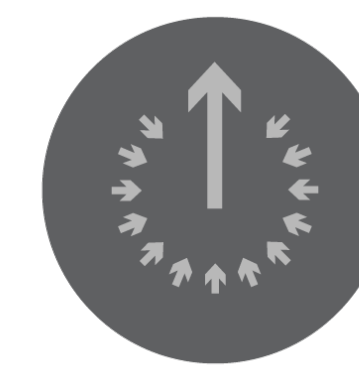
openEDGE Sub-committee Status

The project will gather requirements and specifications for the Open Edge computing platforms from the adopters.

- This will include (but not exclusively)
 - dimensions
 - power budgets
 - cooling requirements
 - networking requirements
- Nokia has contributed openEDGE server chassis specification and design files
 - Draft of openEDGE Server Chassis Specification – applying for OCP Accepted
 - Draft of openEDGE Server Specification – applying for OCP Inspired
 - <https://www.opencompute.org/wiki/Telcos/openEDGE>



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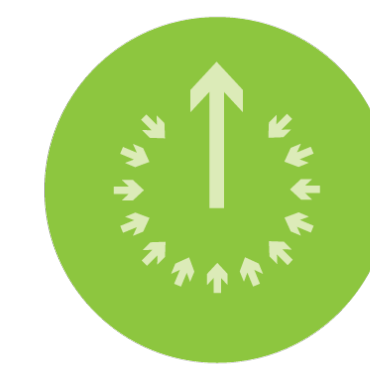
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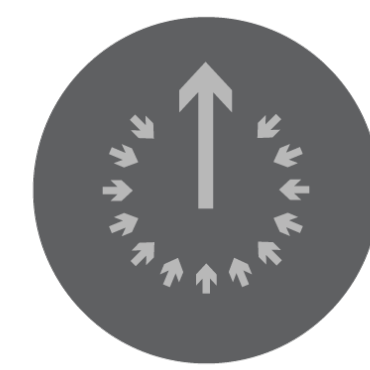
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openEDGE ecosystem needs

- Functionality required for the Far Edge as new Applications drive processing requirements
- Further compression of devices to provide a compact solution
- Additional Sled Designs
 - Switch
 - Router
 - Optical
 - Storage
 - Accelerators
 - Battery Backup



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NOKIA

Summary

openEDGE Ecosystem Summary

- The Nokia Chassis, 1U and 2U servers are commercially available and shipping today
- Great interest from the OCP Community in adoption and expansion with new Sled Designs
- Nokia will continue to work to promote, enhance and grow the openEDGE ecosystem

Call to Action

Looking for equipment manufacturers to adopt the openEDGE formfactor and involvement of consumers to continue to enhance and evolve this formfactor

Where to buy:

- <https://networks.nokia.com/products/airframe-open-edge-server>
- Working to have Chassis available in the OCP Marketplace in 2Q19

Project Wiki with latest specification:

- <https://www.opencompute.org/wiki/Telcos/openEDGE>

Mailing list: OCP-Open-Edge@OCP-All.groups.io

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Come and visit us at
Nokia booth B15

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Thank You!



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