Service Engine – Accelerating Commercialization of Open Telecom Solutions

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CG-OpenRack-19 Achieves OCP Approval

A collaborative community focused on redesigning hardware to efficiently support the growing demands of compute infrastructure.

Radisys contributed the Carrier Grade Open Rack concept to OCP in the form of a Rack + Sled interop specification

It is real and deployed in 6 data centers with a few hundred racks

Released commercial product families based on this specification are available. Specs are available on the OCP marketplace (www.opencompute.org/products).
CG-OpenRack-19 Ecosystem

- Racks in 600mm and 800mm widths
- Depths from 1000mm to 1200mm
- Heights from 16U to 42U
- Finished in black or white
- Single-phase, 3-phase, or DC power
- Single or redundant feeds
- Any combination of half- and full-width shelves

- Sleds in half-width or full-width
- One or two dual-socket servers per sled
- Broadwell, Skylake, or ARM CPU
- LFF storage (3.5”) up to 24 SAS HDDs (288TB), SFF storage (2.5”) up to 18 SAS/SATA drives
- Added support for up to 4x full-length, full-height PCIe cards, up to 2x double-width cards
- Dataplane network of 10Gb, 40Gb, 25Gb, 100Gb
CG-OpenRack-19
System Integration
• Breaks Open the Black Box of Proprietary Infrastructure
• Gains Control and Choice, Lowers costs and DevOps flexibility for new features
• Makes Solutions More Efficient, Flexible and Scalable with better OPS efficiency

What does OCP APPROVED and INSPIRED status mean to a Service Provider?

TEMs Model

DevOps Model
Radisys Corporation - CONFIDENTIAL

Accelerating Open Telecom Innovation

ServiceEngine™
Taking the Pain out of “Open” Integration

Data Center Migration Service for Open Source Platforms, Software and Reference Solutions

Open Source Software Distribution, Support and Life Cycle Management

Dev Ops Enablement and Agile SW Integration, Customization, Validation and Test

Fastest Data Center turn up

Excellence in Support

Horizontal Integration

Vertical Integration

Application

Control & Management

Infrastructure

Open Compute, Storage & Network

Open SDN Controller

Open Management & Orchestration

Switching

VNF

VNF

VNF

VNF

VNF

VNF

VNF
Software Defined Broadband Access Services

Global Support → Proof of Concept

Field Deployment → Software Customization

Testing & Automation → Network Design & Integration

CORD System Integration Expertise
DevOps Collaboration Model
Multi-Vendor Integration
Open Source Platform Hardening
API Integration
Thank You