Radisys as CORD POD Integrator

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2016-03-15
Executive Summary

- 25+ years of Excellence in System Integration for Service Providers
  - 25+ years of deep industry expertise, Global Tier 1 customer base
  - Experienced management team
  - 500+ architects and engineers
  - Strong relationships across global supplier base

- CORD brings datacenter economies and cloud agility to service providers
  - Radisys actively contributes to M-CORD

- Radisys Expanding contribution to include System Integration for CORD
  - Utilize open reference implementation of CORD and deliver it as a turn-key CORD Pod rack for POC, Field Trials and Production Deployments
  - Contribute back the system integration tools and processes to open source to help the CORD project and the community
Global Markets and Customers

- 25+ years of telecom hardware, software and integration excellence
  - Headquarters in Portland, OR, USA
  - 700+ employee globally
  - Multi-million dollar projects
 Designed and Integrated POD

OCP Rack → Professional Integration Services → Supported XOS, ONOS, OpenStack Software → CORD POD and Experience

Dev Ops Ready

CORD POD
An open virtualized service delivery platform that provides cloud economies and agility.

Tools and Resources for the Community
Typical Datacenter Software Architecture

- **Application Software**
  - Analytics
    - Real time Web Services
    - Off line Web Services
- **Orchestration Software**
  - Message Passing RPC
  - Resource Mgr, Scheduler, Cluster
  - Distributed Storage and FS
- **Platform Level Software**
  - Host OS, Drvrs, Hypervisor, Container
  - Switch Control, OVS
  - BMC, IPMI, Redfish, RSA
- **Hardware**
  - Network
    - Compute, Storage Sleds
    - Rack, Power, Cable

**Service Provider Applications and Services**
- OpenStack, XOS, ONOS, Mesos, Swift, CEPH, EMC ECS
- Ubuntu, RedHat KVM, CoreOS, RKT, Fleet, Radisys RTPS Utilities
- DCEngine
Radisys CORD Integration Service Lifecycle

- **Design**
  - Integration
  - Validation
  - Maintenance and Support
- **Integration, Validation and Deployment**
- **Remote Management**
- **Software Support**

**Inputs**

- CORD
- Hardware Blueprints
- Open Software (ONOS, XOS, Openstack)

**Services**

- Design Customization Services
- Remote Management and Support
- Integrations and Deployment
- Integration, Validation and Deployment
- Software Support

**Tools**

- Development Processes
- Operations Ready PODs
- Integration Tools

**Outputs**

- CORD Domain Services
Integration Commitment to the Community

- Contributing Member and MCORD Scrum Master
- Working closely to provide an OpenFlow controlled programmable dataplane
- Take CORD distributions and offer them as turn-key CORD Pod racks.
- Contribute back the system integration tools, processes and know how to the CORD Project.
Thank You!