

Open Source & Standards – A Big Opportunity?

Muhammad Khadim
Nov 1st, 2017
Bellevue, WA

Open Source in Telco World today !!!

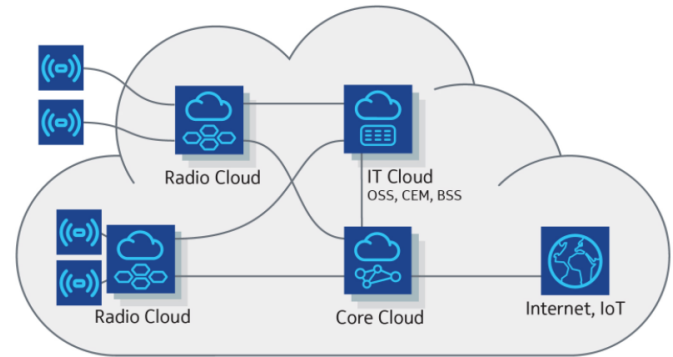
- Linux – OS – Redhat Linux with support licensing
- Components of OA&M system – tools including self-monitoring, logs, apache web services, hypervisor, KVM, etc.
- OpenStack – For upcoming telco cloud
- Developing environment – Automation tools
 - Open source Linux as OS
 - Python, C#, Mong DB, and other open source SW



Mostly certified Open Source SW in use with support licensing through vendors

What OSS to be developed and maintained?

- Operating systems
- Cloud OpenStack – Flexibility and Agility
 - HW neutral – All software define network (SDN)
 - Elastic scalability – Implementation of micro services
- Orchestration for Services deployment across the network with different requirements
- End user applications echo system, e.g. IoT Applications
- Network analytics and reporting tools
- Augmented Intelligence tools – For complex network management
- Troubleshooting and diagnostics tools



How can we close the gap?

- Interoperability between standard interfaces
- SLA definition and certification
- Echo system for Application SW evolution
- Security evaluation based on industry security standards
- Definition of standard certification process for any Open source SW
- Controlled evolution of OpenStack and other similar Open Source SW to prevent fragmentation
- Certification process for Open Source SW sites
- Secure and reliable delivery mechanism

Interoperability 

