

LCOO Strategic Meeting

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**Virtualization SW Lab
SW R&D Center**



SKT Organization Changes

SW R&D Center
(Kangwon Lee, SVP)

Virtualization
SW Lab

- OpenStack
- Kubernetes
- CICD
- VIM

SW CoE
(Center of
Excellence)

- SW QA
- SW Governance

Block Chain
Tech Lab

- Block Chain
- Ceph

ML (Machine
Learning) Infra
Lab

- ML Accelerator
- AI Infra (PaaS)

Embedded
Software Lab

- AI on Embedded
System

SKT Activity

- OpenStack-Helm Green Field Production Deployment Efforts
 - Private Cloud (Development & QA Infra, 3Q 2018)
 - VDI (Internal VDI Infra, 4Q 2018 / Public VDI Service, 2019)
 - Big Data & Analytics (B2B Business, 4Q 2018)
 - NFV Infrastructure (POC targeting vIMS, 3Q 2018 / Production, 2019)
 - GPU Cloud (Kubernetes only, 2Q 2018 / GPU Cloud based on OpenStack?)
- ✓ SKT Product Name: TACO (SKT All Container OpenStack)

SKT Activity



- Public Sharing & Promotion
 - OpenStack-Helm Hands-on Workshop (OpenStack Days Korea, 2017) & Several OpenStack-Helm Promotions in Korea
 - OpenStack-Helm Hands-on Workshop w/ ATT (OpenStack Summit, 2018)
 - Several OpenStack-Helm Presentations in OpenStack Summits
 - Public Github Repo (<https://github.com/sktelecom-oslab>)
 - Public Tech Blog (<https://sktelecom-oslab.github.io/Virtualization-Software-Lab/>)
- Community Activity
 - OpenStack-Helm Upstream Development & Contribution
 - Armada Development & Contribution >> OCEAN Project

SKT Focus Area

- Production Deployment & Operation!!!!
- Collaborating with ATT on OCEAN project
- Container-based SW Delivery Pipeline (CI/CD) Development
- GPU Support
- Hybrid (VM & Container) Infra Resource Orchestration/Management, especially focusing on unified network management