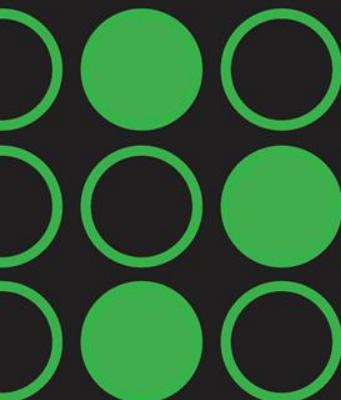


SAMSUNG SDS



# Techtonic 2021

....

Partner



Disrupt



# Open Cloud Management

## For Telco Network

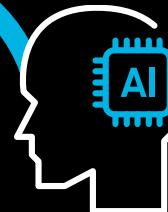
남기범 그룹장

# 5G

## Software Perspective

# Virtualization

5G



Automation

Open Source

# Cloud Native Management

Evolving to cloud native architecture based on open source

Orchestration & Automation

Centralized Orchestration

Network Slicing Manager

Centralized Operation

Analytics

Cloud Native App  
Stateless & Microservices

vCore

vRAN

vEMS

vAPPs

...

NF Manager

Platform Service  
Open Sources

Prometheus

Envoy

Istio

Kiali

MongoDB

Grafana

Helm

Fluentd

Jaeger

CoreDNS

Jenkins

Harbor

Spinnaker

Cloud Infrastructure  
On-premise & Public cloud



openstack



docker

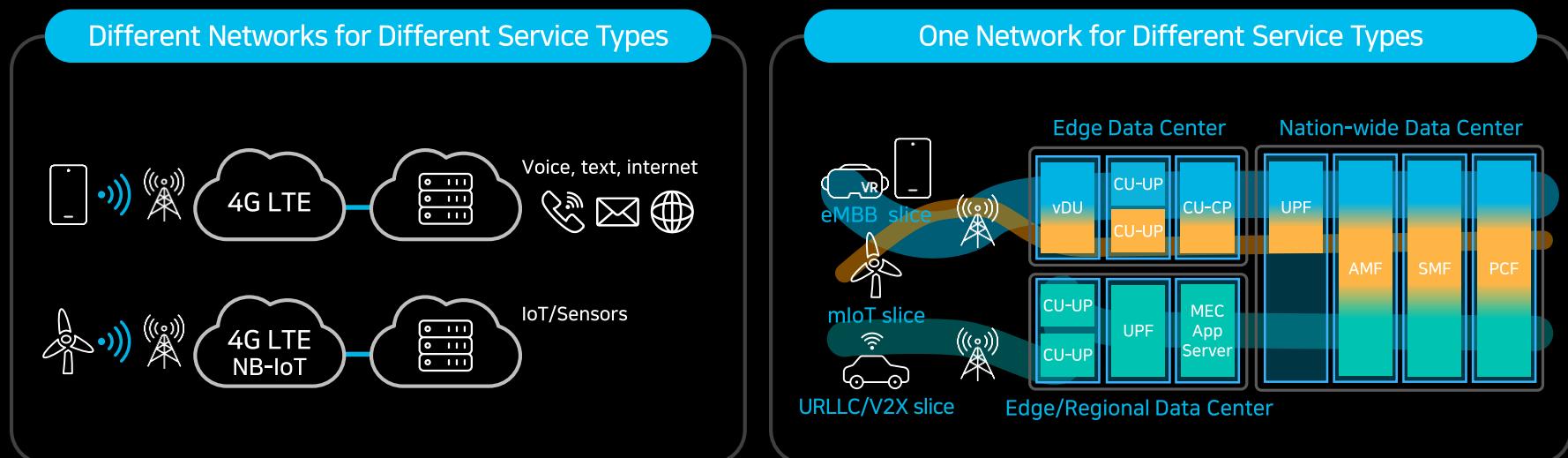


kubernetes



# Network Slicing

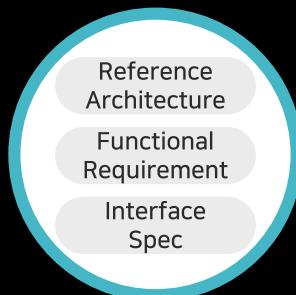
- Automated Service Creation Infrastructure  
A new service creation capability built on automation, virtualization, and cloudification
- 5G Key Feature for Monetization  
Mobile network operator triggers for B2C slices, 3<sup>rd</sup> party triggers B2B/Enterprise slices



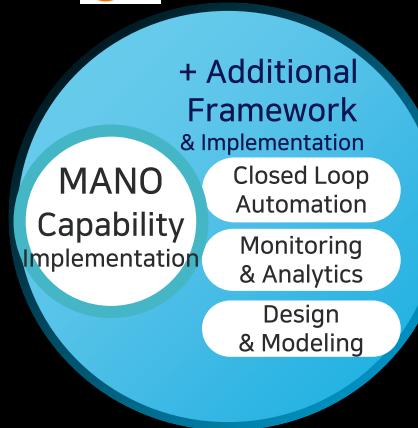
# ONAP(Open Network Automation Platform)

- Open-source platform to realize network automation
- Integrated with ECOMP and Open-O under LF umbrella

ETSI MANO (2014)

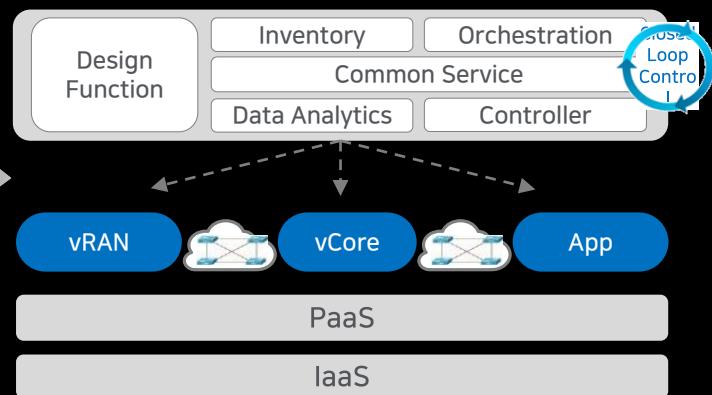


ECOMP (2014)



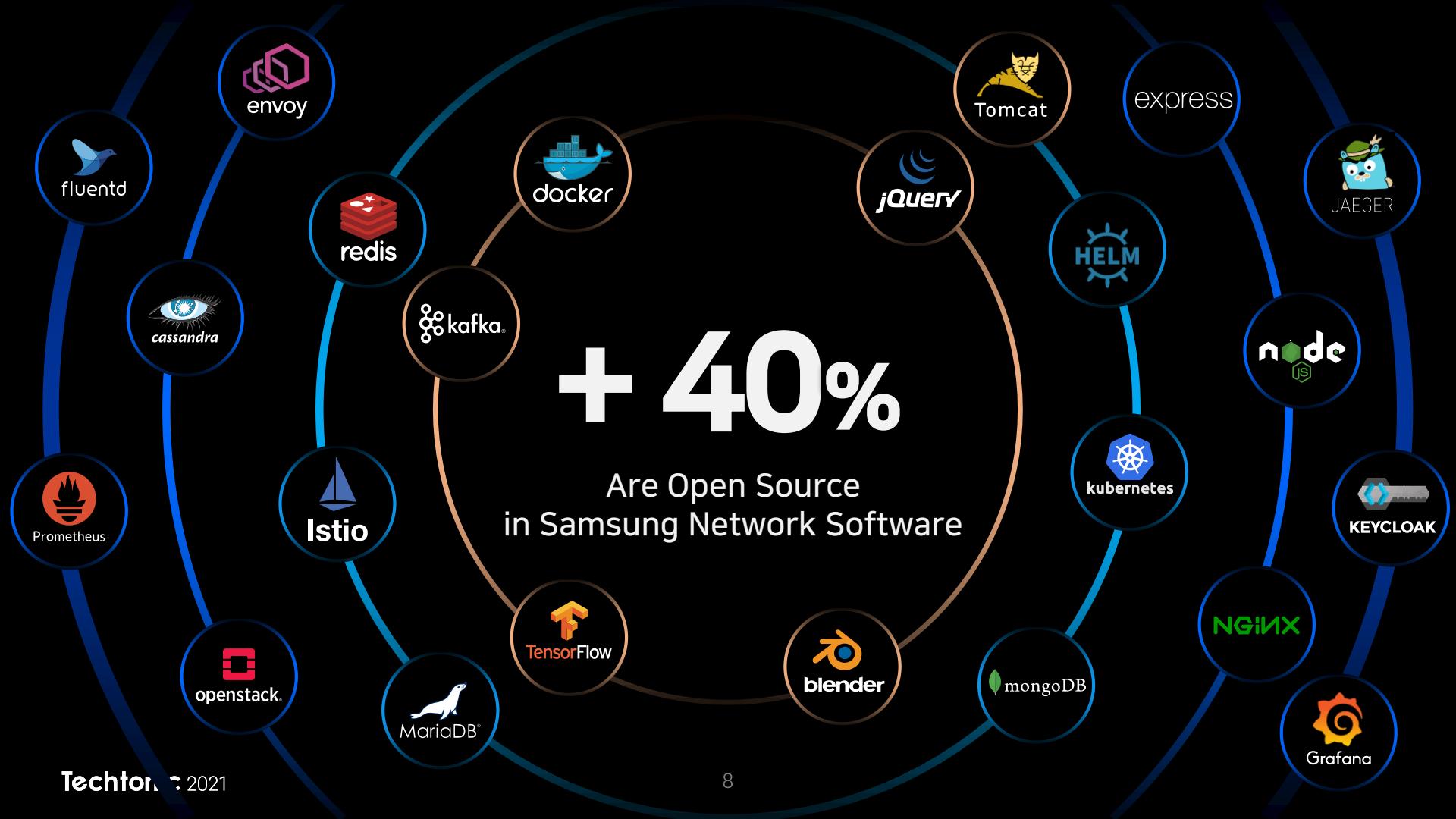
Source code  
is opened  
on Feb 2017

ONAP



+ 40%

Are Open Source  
in Samsung Network Software



Thank you