MEC PLATFORM SOFTWARE DEVELOPMENT

for a US based online social media and social networking service provider

Service: Edge Cloud

OVERVIEW

Customer is a $70 billion online social media and social networking service provider based in California.

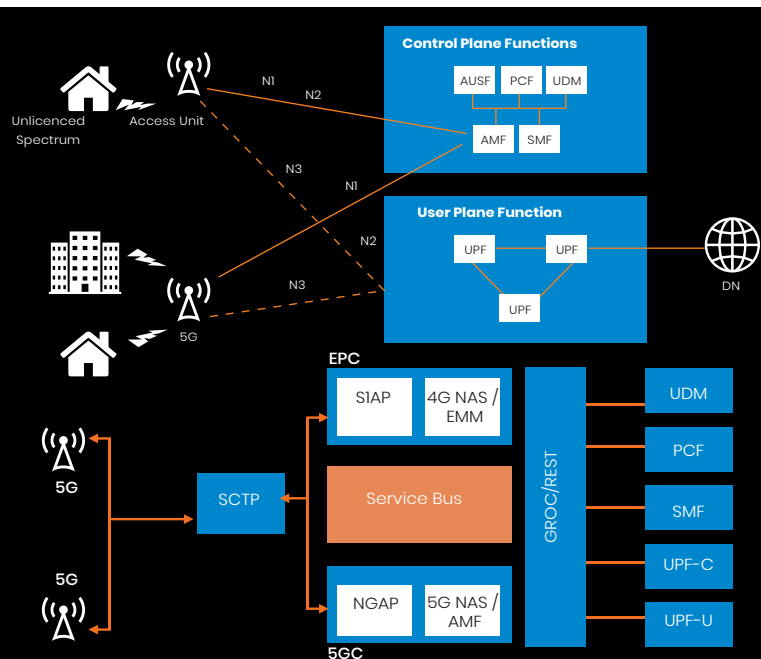They wanted to build a solution to manage mobile edge core platform.

CHALLENGES

Need to develop a micro services based Mobile Edge Core platform that supports converged core functions

SOLUTION

1. Development of NGAP, SCTP, S1AP, 4G NAS, 5G NAS and AMF interfaces in a Micro services based Kubernetes platform

2. Development of Service Bus

3. Development aligned with Service Based Architecture (SBA)

4. Modules designed for Hyper scale Production grade

5. ZeroMQ message bus and Istio service mesh used

6. Generation Agnostic Implementation - Packet Core adapted for 4G and 5G deployments

OUTCOMES

> Enhanced mobile edge core services through Micro services based Kubernetes architecture

> Improved service based architecture to support deployment of converged core functions

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