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INTRODUCTION TO OPEN RAN

What is Open RAN

Understanding Classical and Distributed RAN (D-RAN)

Equipments from traditional vendors (BBU & Boards)
C-RAN or Centralised RAN)

V-RAN or Virtualizes RAN

Evolution towards Open RAN

2

OPEN RAN GROUPS AND ECOSYSTEM

Open RAN Groups & Initiatives

Telecom Infra Project

ORAN Alliance

Open Ran players & Ecosystem

Open Ran Trials & deployments

3

DEEP DIVE INTO O-RAN ARCHITECTURE

- RU/CU/DU Split
- Oran Architecture
- Service Management and Orchestration Framework (SMO)
- RAN Intelligent Controller (RIC)
- O-Cloud, O-CU, O-DU, O-RU
- Relevant interfaces in O-RAN architecture

4

O-RAN SPLIT OPTIONS (8 OPTIONS)

- Different RAN split options
- Which Option split to consider
- Relevant interfaces in O-RAN architecture

5

OPEN RAN DRIVERS, CHALLENGES & USE CASES

- Open RAN drivers
- Open RAN challenges
- The 7 benefits of Open ran
- Open RAN Use cases (Traffic steering, Qos Optimization, Massive Mimo Optimization)

6

FOCUS ON RAKUTEN & DISH OPEN RAN DEPLOYMENTS

- New Telco Models
- Cloud service models and focus on Telco
- Focus on Rakuten 5G Open Ran Deployment
- Focus on in Dish Network 5G Open Ran