Open Radio Access Network

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Project motivation

Previous version

- Each vendor has their own hardware and system
- Big companies monopolize the industry
- High cost

ORAN

- Virtualization of RAN components
- COTS (Commercial Off-The-Shelf) hardware
5G Structure

Core network:
- Provide multiple function

GnodeB:
- BaseStation
- Transmit radio signal

UE:
- User equipment
SRS-RAN

UE architecture

gNodeB architecture
Data collection

Internal ethernet packet trace
Future Plan

Problem:
Gnb and UE connection are very unstable
UE sent context release requests

Solution:
Upgrade logfile level
Observe internal interface
Question