JI Technology

Founded in 2008 to provide solutions and business development for MNO, MVNO, System Integrators & Service Providers, these solutions include charging, messaging, gateway applications and service control solutions. Our current & past engagements include Prepaid, Loyalty, Multi Payment Channel service, IOT, SMS gateways, 4G/5G core for Private Networks/MNO/MVNO, Fintech consulting & others.

PRIVATE 4G & 5G EPC

Complete 4G/5G EPC for Enterprise, integrators and service providers using a common core for both 4G and 5G radios

DEVICE CONTROL

1st layer of security for Private Networks by controlling access using IMEI and IMSI

BESPOKE SOLUTIONS

Competitive & agile. Presales through delivery

HIGH AVAILABILITY

Monitor applications and handle multiple failure scenarios to support redundancy and disaster recovery

Access Control for 4G/5G private networks & enterprises

Access control ensures use of authorized devices on the enterprise network by checking multiple attributes of the connecting devices including what & where, for example the IMSI, IMEI, eNB-ID & TAC. This helps to restrict access to enterprise & department networks/slices for approved devices and users. Un-managed devices and users are security risks that can bring malware, viruses into a network and also unauthorized access to the enterprise.

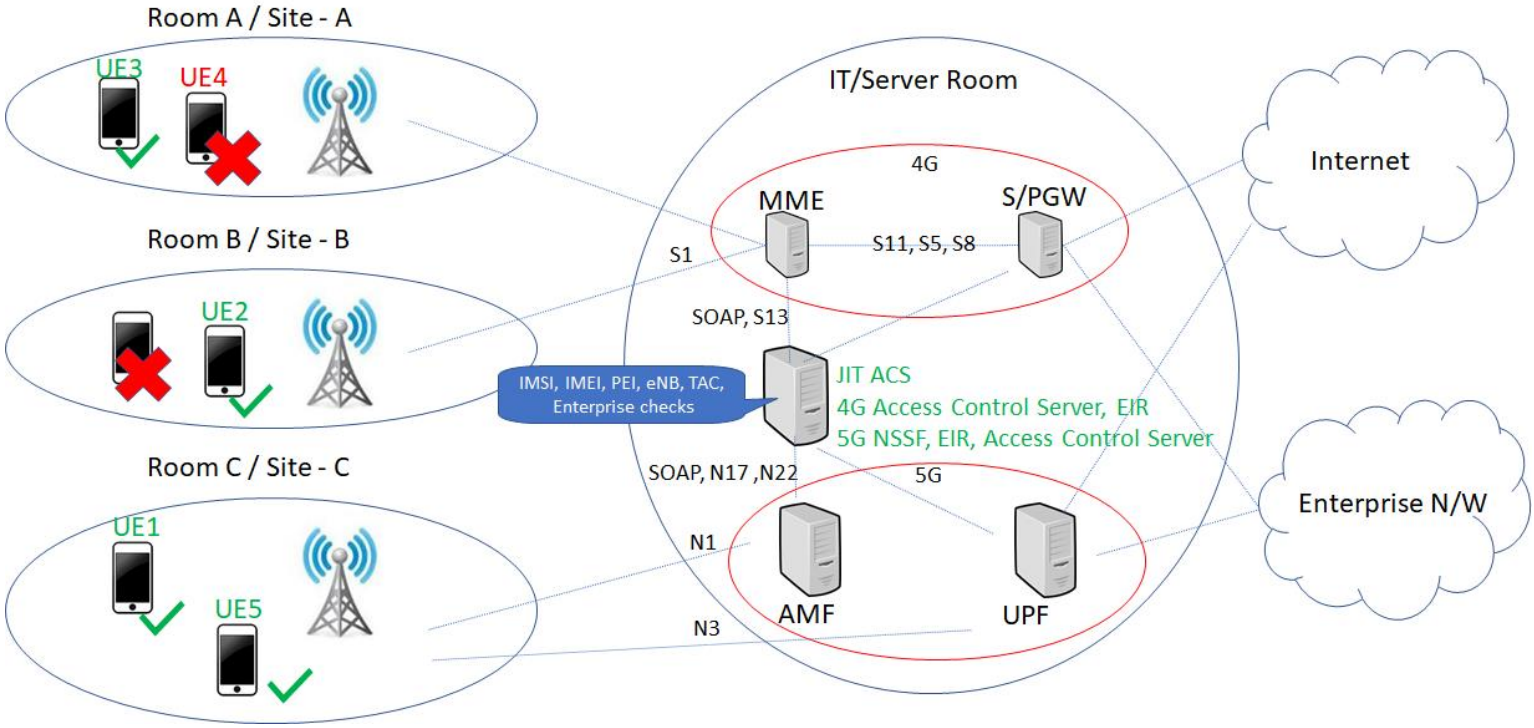
Why UE device control?

Private 4G & 5G allow devices to directly access a private network and Enterprises must be cognizant about the potential threats on the horizon. Typically, enterprises are unable to enforce a BYOD policy due to the devices being managed by public operators, but this dynamic changes with private networks.

- Using device control, enterprises & institutions can now block BYOD by controlling UE & SIM that can be used to access to their private network. Device can be blocked before it ever attached to the network successfully.
- Support for Asset management by knowing how often/if ever devices are being used or how long they have remained un-used
- Using TAC analysis, only allow certified devices to be able to attach to the private network.
- Security, detect all unauthorized access attempts

JI Technology – Device & SIM Control

1st layer of security – TAC/IMEI/PLMN/IMEI checks



Access Control for "private LTE/uLTE/sXGP/Multefire/5G"

The JIT Access Control Server brings the 1st level of security check to the private enterprise network by ensuring only the authorized UE Device & SIM can attach to the enterprise network at the specified location. This happens even before the IMSI authentication with the HSS / devices attaches to the network. The Access control server has been designed to satisfy the needs of organisations and facilities that need to tightly control access to mobile networks and services in a defined area.

- Verified with the private 4G and 5G environment (EPC, eNB, UE, SIM)
- Supports network planning and monitoring
  - Identify overused/underused eNB/gNB
- Ready for use in both 4G & 5G environments
  - Support for NSSF/N22 & 5G EIR/N17
- PCS-DSS compliant for information storage, access
- Checks IMEI,IMSI,eNodeB,TAC,IMSI|Enterprise mapping
- Enables multiple private networks to operate in similar area
- Welcome/Onboarding SMS: detects 1st time access for a user and sends pre-defined SMS
  - Includes a phone book link for new users to find other private users on the network
- Broadcast SMS to all UE actively attached to specified eNodeB
- Per MNCMCC cause code return
- Analytics via real-time logging/GUI to see illegal & Valid device access requests
- Visit us at http://www.jitechnology.com