# Wi-Fi Calling Client

Android client enables
Wi-Fi calling service
to all customers

**4G Telecom Systems**
s o l u t i o n s

## What it's all about ?

Many operators globally are deploying Wi-Fi Calling Services to enhance
their services portfolio and strengthen their network performance.
Handset support for native Wi-Fi calling is very limited .
4GTSS Client offers Wi-Fi Calling native experience to all Android users and
accelerate the serrvice uptake. In addition to supporting all call scenarios,
4GTSS Client for Wi-Fi Calling supports SMS, call conference,
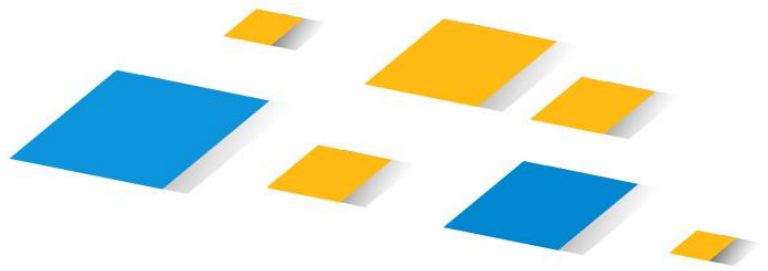law enforcement requirements and more .

" Wi-Fi minutes will dominate the IP Voice services by 2018 "

Cisco, Feb - 2016

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## Advantages to operators

- **User Loyalty :** with better coverage & enriched services

- **Network superior performance :** enhance indoor Coverage, Capacity & Complementary to VoLte services.

- **New Revenue Streams :** better Roaming rates, Competing OTTs with native experience, cost effective solution for indoor problems.

- **Virtual operators :** increase access footprint for MVNOs & minimize the dependency on MNOs.

- **Wi-Fi Calling adoption :** increase service popularity by reaching all Android Users.

## How does it work ?

- An integrated client detects proper Wifi signals, and route all telephony service over Wifi/IMS network.

- Uses subscriber credentials for secure registration & authentication.

- Uses EAP-AKA or EAP-TLS for Authentication.

- Support all Android devices. maintains 2G/3G networks supplementary, enhanced & regulatory services. with single number.

- Work over any Wi-fi AP (untrusted + trusted).

- Support SIM/Non-SIM devices. Complementary to VoLTE, Supports SRVCC.

## Solution overview

**Solution contains 5 main components:**

- Mobile Client - for Dialer Interrupt, Authentication.. SIP client & logging service.

- Activation Server - push network configuration to new users on activation.

- Certificate server - to issue unique certificate per user.

- Subscription Server – Integrate with network provisioning GW for new users subscription.

- Social Media Features Enabler - support chatting, file sharing, grouping. " optional"

## Solution Highlight

- Native user experince, through client working in Background

- Support Voice, SMS Services.

- SIM/Non-SIM & dual SIM devices.

- Android 4.0 and above.

- Uses Native Dialer. logs & PhoneBook

- Client is available on AppStore.

- Follows GSMA IR.51 & IR.92 Standards, this means that we Interwork with any standard IMS network.