

MULTIPLE NUMBERS ON SINGLE SIM DEVICES

CLIENT OVERVIEW

Our client is a leading provider of mobile identity solutions for wireless telecommunication service providers. Our client provides solutions to improve device management in bring-your-own device (BYOD) and corporate owned personally enabled (COPE) environments. As a technology vendor, our client supports its mobile operator partners to create innovative and valuable services which are customized and tailored as per the requirement of their end corporate customers.

KEY REQUIREMENTS

- Build virtual SIM functionality to have more than one active number on single SIM without the need for a new device or swapping personal or corporate SIMs, it should also supports both feature phones and smartphone's.
- Develop a user friendly interface for easy navigation within the application.
- Verification and authentication of call logs and user profile using user's phone number.
- Develop a feature that enables the user to create new profiles as per user preferences for colour, icon and number of the profile.
- Call forwarding functionality for both private and business profiles.
- Edit and delete functionality for the profiles created in the application.

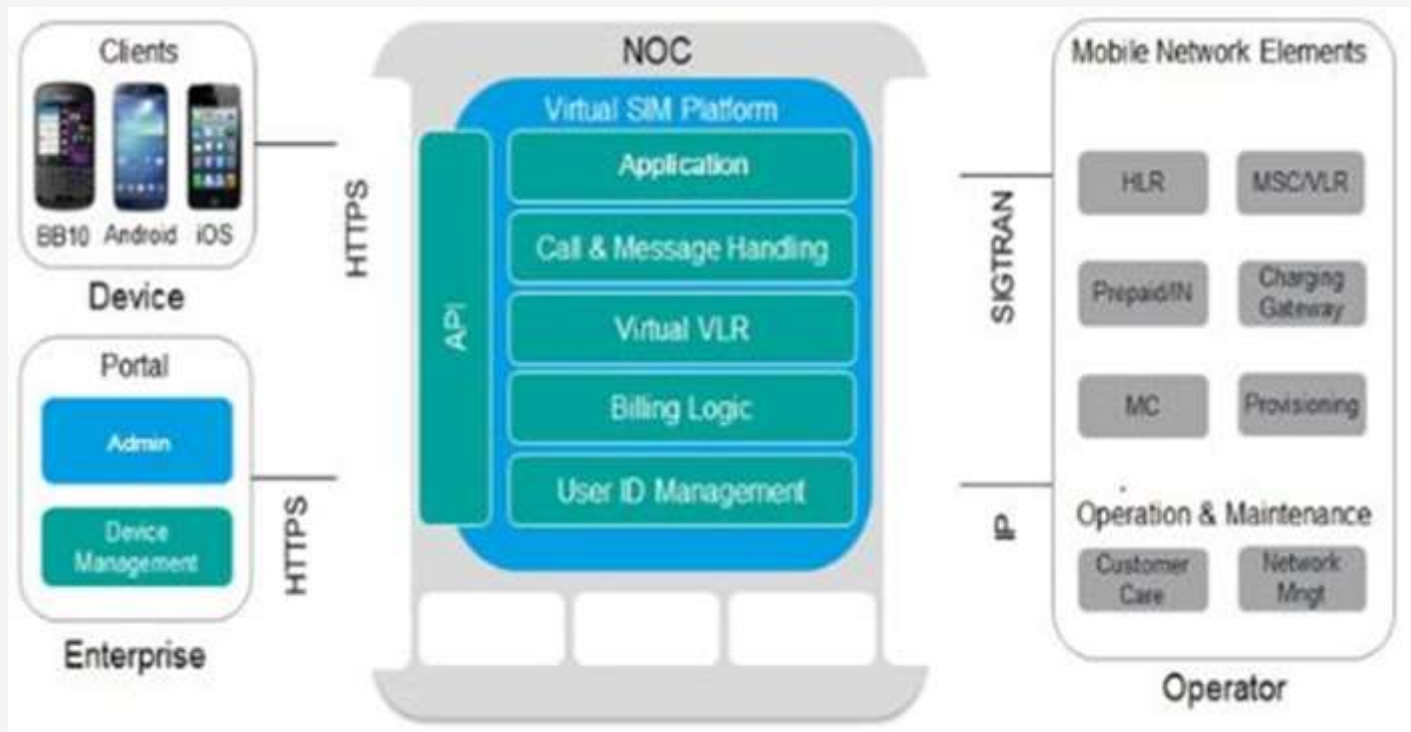
KEY CONTRIBUTIONS

- Built scalable application with adherence to Model-View-View-Model (MVVM) pattern which allowed faster application development through simultaneous backend and UI development.
- Initiated communication between mobile client and the centralized server using HTTP and JSON.
- Integrated the application platform into the operator network using standard network interfaces like INI (inter network interface) and ICI (inter carrier interface).
- Implemented a Virtual VLR (Visitor Location Register) that dynamically assigns mobile numbers to SIM cards and enables the network operator to offer new and innovative services.
- Enabled tracking and reporting feature to track activity of any profile and generate details reports of call logs.
- Improved user profile security by introduction of verification and authentication by phone number.
- Incorporated reporting feature to generate reports for call logs, cellular data, and sms.

KEY BENEFITS

- Enabled UI designer and backend developers to work simultaneously by using MVVM pattern of programming which reduced overall time for application development by 30%.
- Better UX within the application improved the customer experience.
- Allowed enterprises to assign business numbers as a 2nd line to BYOD devices, leaving private numbers untouched.
- Allowed administrator to divert incoming calls to voicemail or attach the corporate number to a different device.

HIGH LEVEL ARCHITECTURE



TECHNOLOGY STACK

- Visual Studio 2013
- WP8, XAML, MVVM
- REST based API
- SVN/Tortoise
- Eclipse
- Android SDK
- iOS Xcode



About Xoriant:

Xoriant Corporation is a Product Development, Engineering and Consulting Services Company, serving technology startups as well as mid-size to large corporations. We offer a flexible blend of onsite, offsite and offshore services from our eight global delivery centers with over 2000 software professionals. Xoriant has deep client relationships spanning over 25 years with various clients ranging from startups to Fortune 100 companies.