



GSMA Open Gateway



More details in our microsite:

https://atnog.github.io/gsma-open-gw-apis/

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Context

- Introduction of advanced capabilities in 5G Networks
- O Interest in providing such capabilities to customers
- Need for developer centric interfaces











State of the art

Related work











Early adoption

- Development by Ericsson
- Adoption in the Middle East and North Africa
- Deployment in France







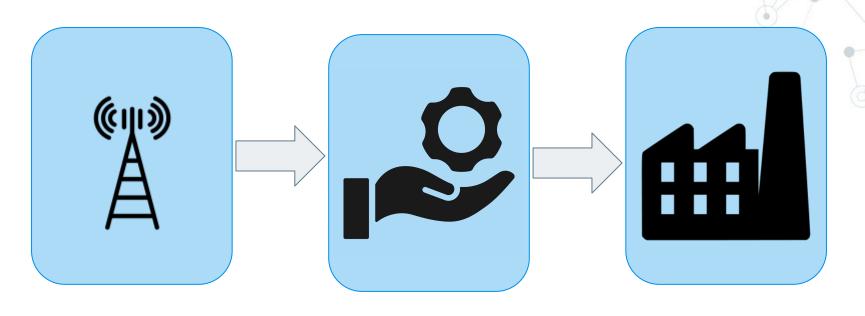








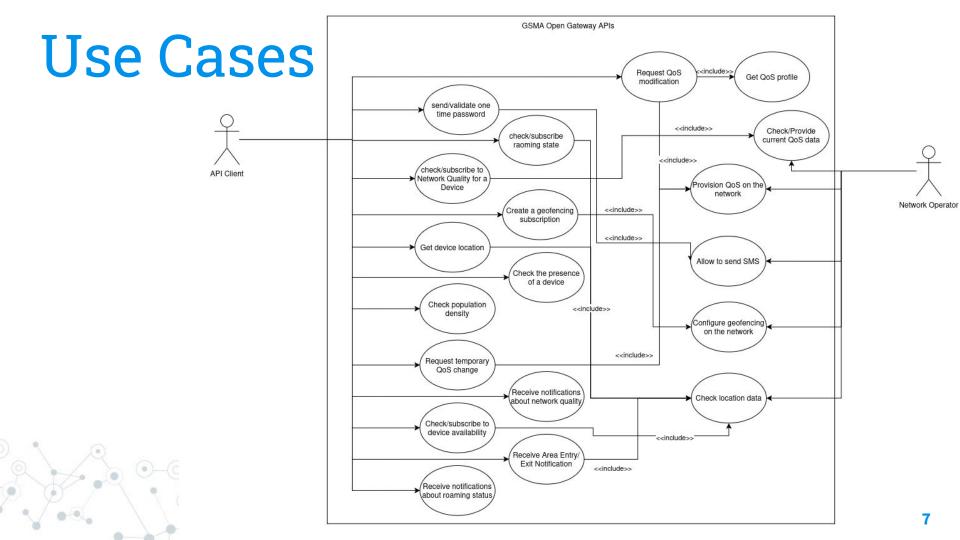
Target Audience



Business (MNO)

Business

Consumer



Functional Requirements

The APIs should:

- Allow subscription to location based notifications
- Allow the retrieval of the population density in a given area
- Allow developers to define Application Profiles for Quality of Service
- Allow retrieval of existing Quality of Service profiles on a network.
- Allow phone number verification and validation through SMS OTPs
- Allow checking whether a given device is available on the network
- Allow subscription to device state change notifications

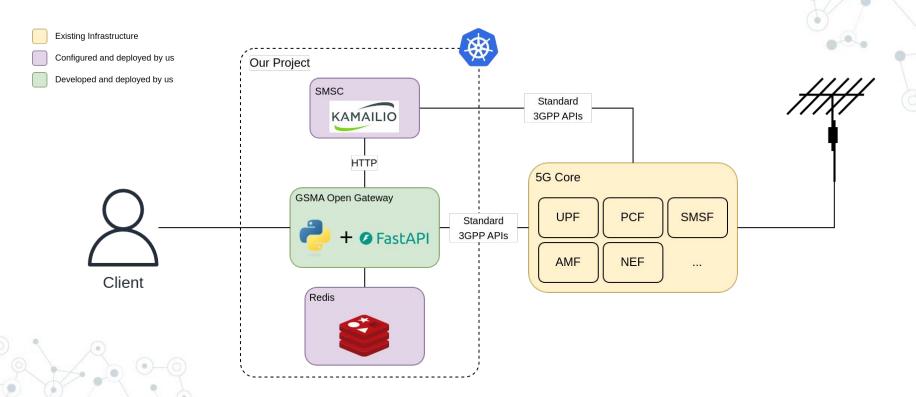
Non-Functional Requirements

The APIs must:

- Maintain consistent 100ms response times as users/data volume increases
- Guarantee support for at least 10 requests per second
- Mave a high reliability level, as in over 99.9999%
- Mave a high availability, such as 99% uptime

Additionally Maintainability, Portability, and Usability concerns should be met

Architecture: Ideal



Architecture: Reality

