

What is GATE?

Overview

GATE is a carrier-grade Access Control platform designed specifically for telecommunications service providers. It delivers enterprise-level authentication, authorization, and user management capabilities through an integrated suite of components.

The platform has been created to address key specifications and requirements from Telecom Service Providers in terms of features, scalability and flexibility, consequently, it allows Service Providers to implement carrier-grade services at scale.

Core Components

Authentication, Authorization & Accounting (AAA)

A fully functional AAA server providing comprehensive user authentication, access authorization, and transaction accounting services.

Captive Portal

Complete captive portal solution for service providers implementing portal-based access control, featuring:

- **Ad-Server:** Configure and manage advertisement campaigns within the user journey through the captive portal login process

User Database

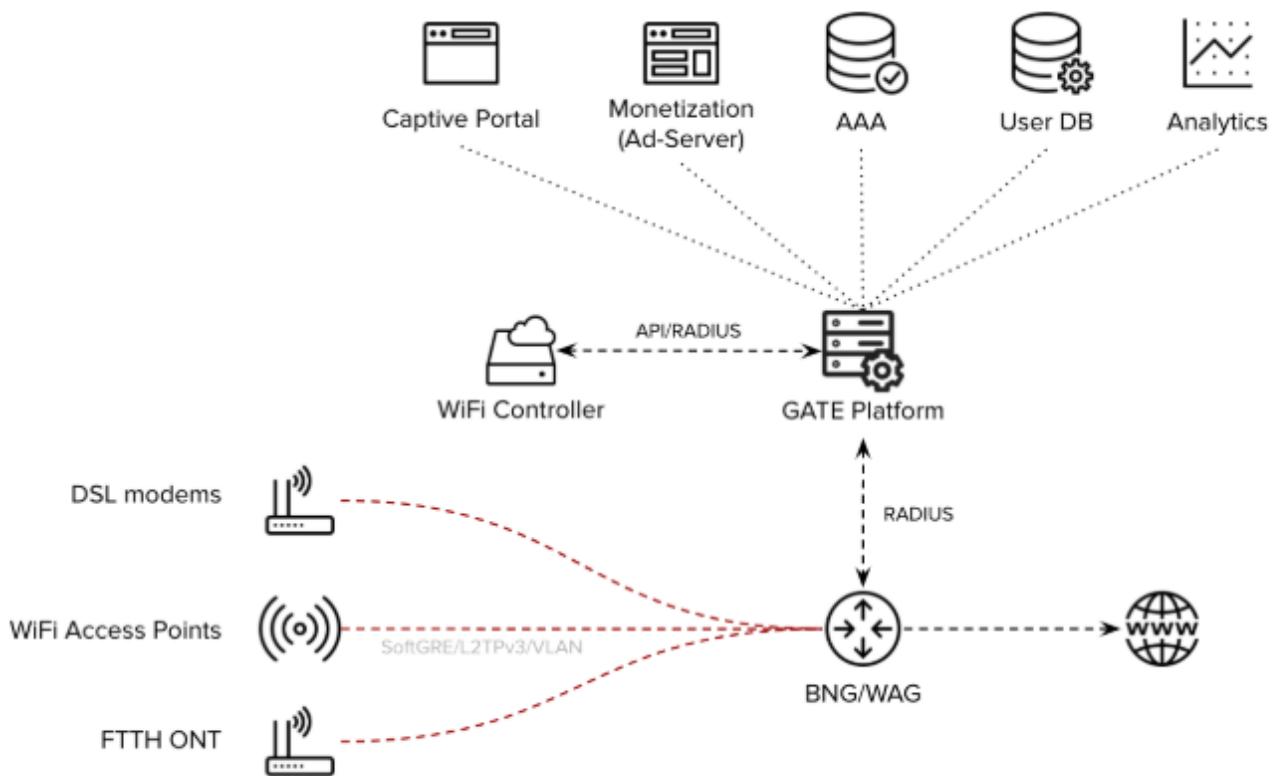
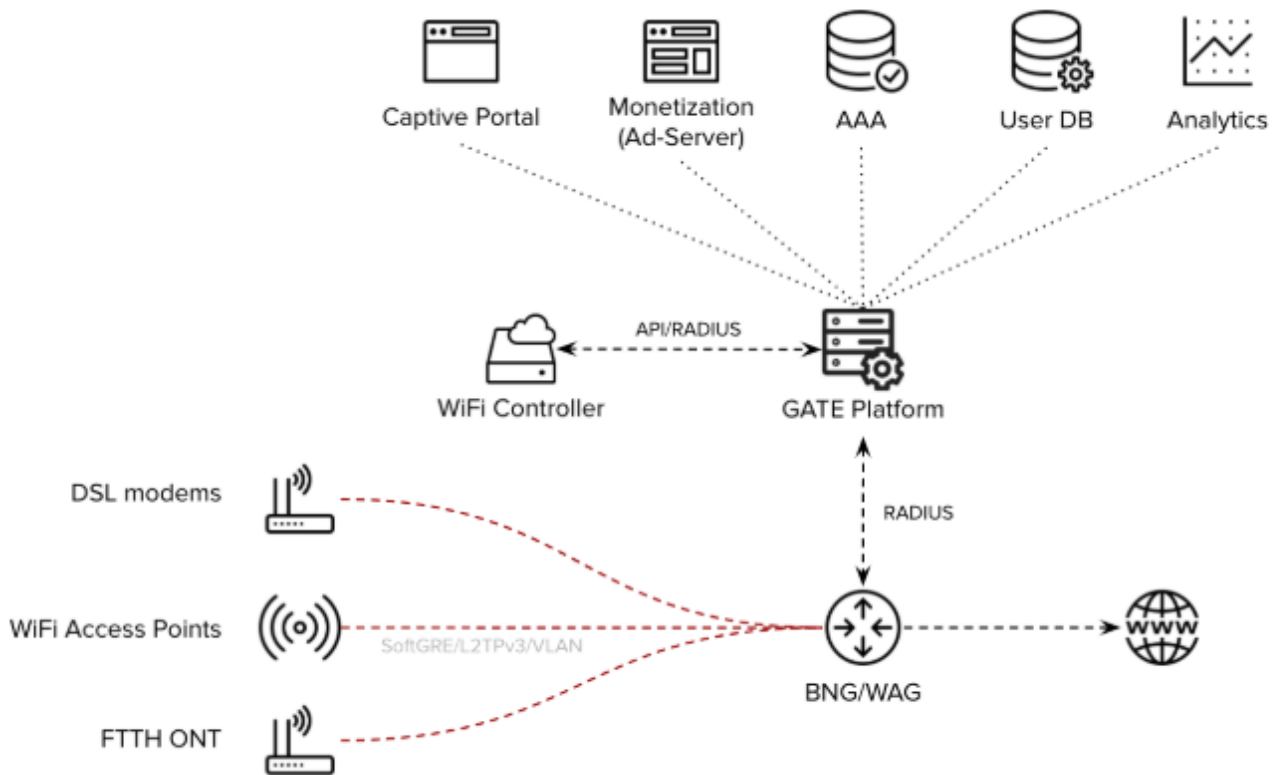
Highly scalable user database system that seamlessly integrates with AAA functionality to store:

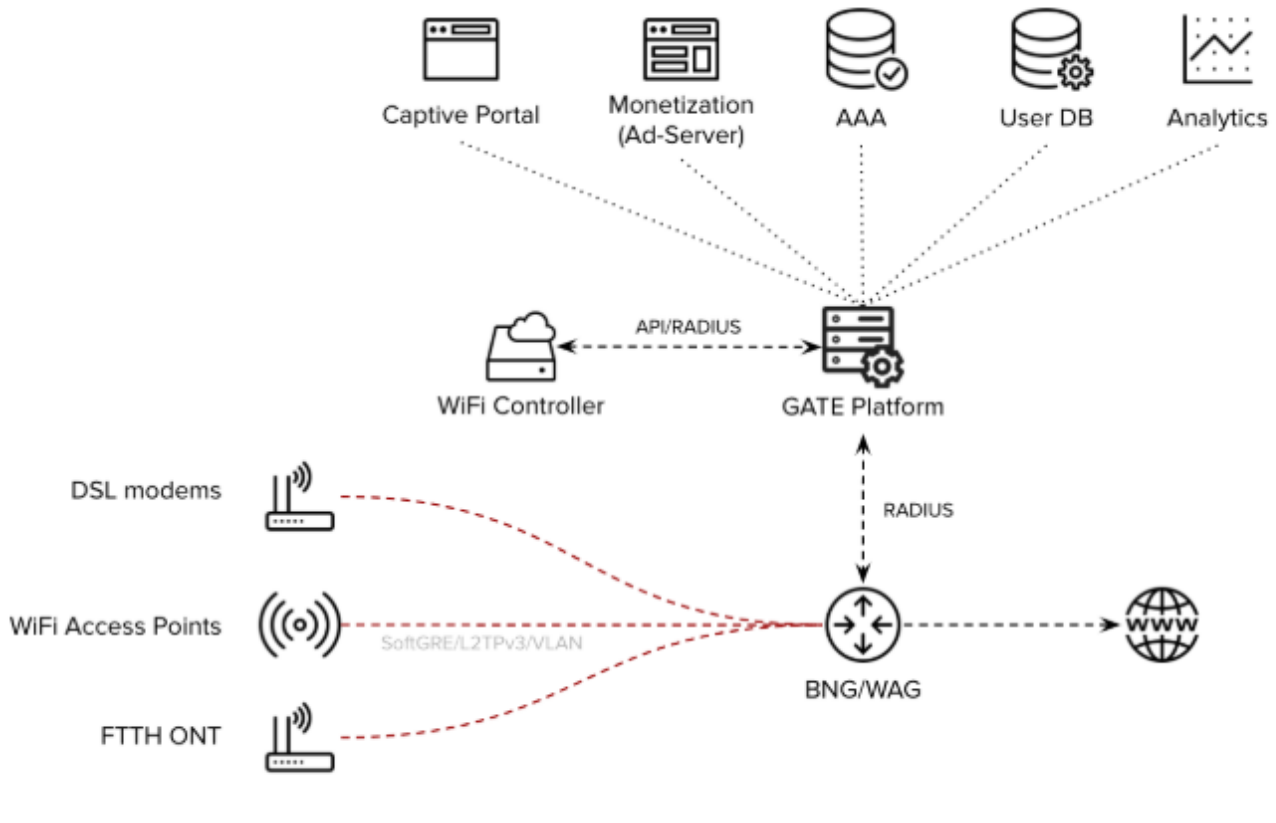
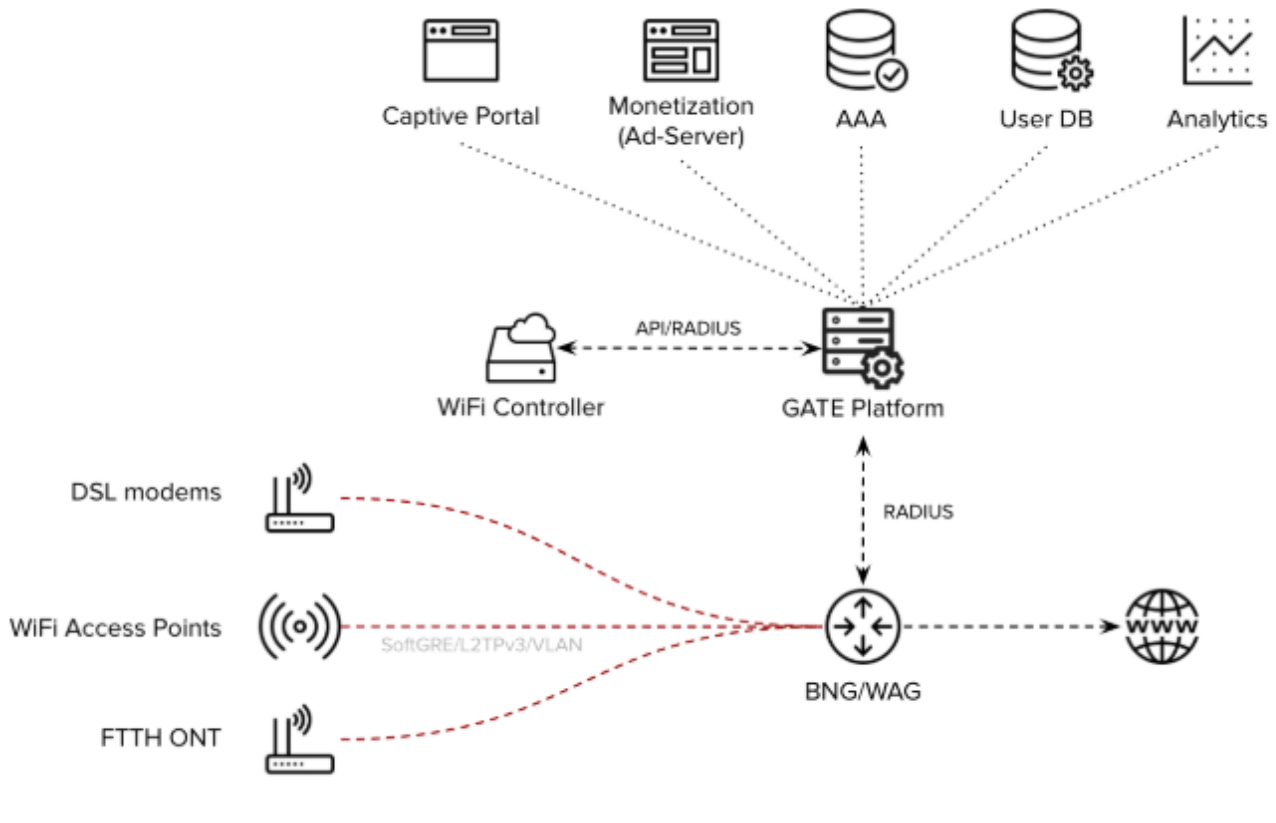
- User profiles and account information
- AAA transaction records and logs

Analytics & Reporting

Comprehensive analytics platform delivering extensive reports and insights through:

- Intuitive graphical user interface (GUI)
- RESTful API for programmatic access





Use Cases

The GATE platform addresses critical telecommunications requirements for features, scalability, and flexibility, enabling service providers to deploy carrier-grade services:

Broadband Internet Access

- AAA services for BNG-based broadband access networks
- Captive portal integration when required
- Support for FTTH, DSL, and wireless technologies

Public WiFi

- Captive portal and AAA services for large-scale public WiFi deployments
- Integration with WiFi controllers and/or WAG platforms
- Carrier WiFi-based architecture support

Mobile Offload

- AAA services for mobile-to-WiFi offload scenarios
- Direct integration with Mobile Network Operator core systems
- HSS/SIM-based EAP-AKA authentication support

Community WiFi

- Captive portal and AAA services for massive community WiFi networks
- Seamless WAG platform integration

Deployment Options

GATE offers flexible deployment models to meet diverse infrastructure requirements:

- **Platform as a Service (PaaS):** Cloud-hosted service model
- **On-Premises:** Self-hosted deployment option

Industry Integration

GATE has been extensively tested and integrated with industry-leading solutions:

- BNG (Broadband Network Gateway) platforms
- WAG (Wireless Access Gateway) systems

- Carrier-grade WiFi solutions

Further Reading

- [Architecture](#)
 - [Specifications](#)
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