

Core Network Functions for Software-Defined Telecoms

Policy and Charging Control Function

Subscriber and Profile Repository Function

WiFi Captive Portals Management System

logate software
empowerment
company



Trusted by telco giants:



III TEL

.. **T** Hrvatski
Telekom

Telekom Srbija

.. **T** Crnogorski
Telekom



► **CETIN**
MEMBER OF PPF GROUP

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Solution Executive Summary

Network policy management platform that enables real time network management on a variety of attributes.

- ✓ Manage and monetize Carrier network for all access technologies (WiFi, VoWiFi, DSL/FTTH, FMC, 3G, 4G, 5G)
- ✓ No downtimes. Scale as you grow.
- ✓ Network functions that enable seamless customer experience

AAA

PCRF

PCF

SPR

AUSF

WiFi Captive Services



**NO DOWNTIMES.
SCALE AS YOU
GROW.**

OpenProvider Solution Benefits

Enable network power and resilience with no vendor lock-in

Designed and Developed as Cloud Native, completely based on Open Source technologies

- No license fees
- Vendor agnostic
- Cloud agnostic

Designed for Distributed deployment supporting N+1 Data Centers

- Load Sharing between Geo Distributed Data Centers
- Absolute Service Continuity - beyond five nines

Linear Performance increase with Horizontal Scaling

- Adding additional nodes within Data Centers increases performances almost linearly without limitations

Network functions to support resilience, growth and CX



Policy and Charging
Control Function

Manage carrier network and define custom policies for millions of users.

Key nodes:

AAA

PCRF

PCF

AUSF

Features

3GPP compliant AAA platform

Cloud native platform based on OpenSource technologies

Geo-redundant load sharing platform (EDGE computing)

Scalable and fast enterprise class Policy, charging control and subscriber data management platform

Supporting horizontal scaling with linear performance increase

Easy configuration and service building using low code/no code principles through a web-based administration interface

Real time policy and charging control providing the push-enabled mechanism that controls service activation/deactivation within the same session

Numerous options on how to handle charging and rating

Completely scalable Captive portal

AAA for WiFi network (Captive portal authorization, Seamless authorization with EAP-PEAP, EAP-TLS, Mobile network authorization EAP-SIM, EAP-AKA)

AAA for Fixed network (DSL, Optics)

AAA for Fixed and Mobile Convergence (FMC)

Supports PAP/CHAP/MSCHAP authentication with username and password, unique pin, calling station, and many more options

EAP-SIM/AKA supporting local breakout or providing attributes for WAG to create GTP tunnels to mobile core

LDAP Ud interface, authentication to cDB/HSS

Supporting RADIUS PoD and CoA

Supports 3GPP AAA Diameter interfaces for VoWiFi implementation (SWx, SWm, S6b)

Supports DHCP (our vAAA can dedicate IP addresses, IP pools etc)

For inquiries, please contact:
sales@logate.com

Network functions to support resilience, growth and CX



**Subscriber and Profile
Repository Function**

Administer your subscribers base through a
single network function

Features

Domain definition and
domain administration

Subscriber definition

One or more profile definitions
assigned to subscriber

Definition of different credit types
(volume and time based, custom
defined credit types)

Full CRUD operation
via LDAP interface

REST integration with
external systems

Dashboard with all statistical
information on 1 minute resolution

Number of requests and responses divided
on response codes, QoS parameters, number
of threads, number of TPSs etc.

Number of bind, unbind,
search, modify, add, delete,
compare.

Network functions to support resilience, growth and CX



WiFi Captive Portals
Management System

Create and manage your WiFi access
portals and user profiles

Features

Content Management System and Captive Portals

Content Management System (CMS) for both public and professional WiFi services

CMS simplifies the managing of WiFi locations and offers a possibility to set different policy rules and session durations for different locations

CMS provides possibility to create different landing pages and post-login pages per location or group of locations, and present different content depending on age and gender

Possibilities to create templates and campaigns

Detailed statistics for each session provide inputs to offer quality service, personalise marketing content and to monetise service

OpenProvider AAA Captive Services

OpenProvider is capable of querying the subscribers and profiles databases using standardized LDAP + Ud interface and using retrieved data to manage Internet connection

Depending on service configuration AAA can react on subscriber profile data individually for each subscriber and assign portal redirection instead of Internet access

AAA can react during connection time and even during session time because OpenProvider's built-in real-time policy is capable of detecting changes on subscriber and profile databases

Success stories

We have been on the market for 17 years. During that time, we evolved along with the telco industry giants, providing the full service around several core network functions, with AAA platform at the heart of our solution.

Our clients are:

Magenta Telekom

Mtel Austria

Telekom Croatia

United Group

Telekom Serbia

Telekom Montenegro

Cetin Serbia

Iskon Croatia



Here's what we have worked on for our clients:

Magenta Telekom magenta.at (Member of Deutsche Telekom Group) Fixed-Mobile Convergence VoWiFi deployment Ongoing subscription and SLA	Mtel Austria mtel.at Fixed Internet Ongoing subscription and SLA	Telekom Croatia hrvatskitelekom.hr (Member of Deutsche Telekom Group) vAAA for Fix services (DSL, Dial-Up, Wi-Fi, VPN) vAAA for Mobile services vAAA for VoWiFi Ongoing subscription and SLA	Telekom Serbia mts.rs Converged vAAA for Fix, Wi-Fi, Mobile and Hybrid Ongoing subscription and SLA
Cetin Serbia cetin.rs vAAA for Fix services vAAA for Mobile services (3G and 4G) CDB for Fix services (LDAP cDB) vAAA VNF deployment Ongoing subscription and SLA	United Group (SBB Serbia, Telemach SLO, BiH, MNE) united.group UniFi WiFi network Ongoing subscription and SLA	Iskon Croatia iskon.hr (Part of Deutsche Telekom Group) vAAA for Fix services (xDSL, FTTx, L2TP) Multi vendor environment with Cisco and 5x9 BNGs vCDB for Fix services Active-active Geo-redundancy for both vAAA and vCDB Single VNF deployment over 3 Data Centers (Zagreb, Rijeka and Split) ODAP service for dynamic pool IP addresses allocation	Telekom Montenegro telekom.me (Part of Deutsche Telekom Group) More than 100 services including Dial-up, ADSL, VDSL, Optics and WiFi services 3GPP AAA for 3G/4G - mobile users on public and private APNs Captive portal for WiFi authorization and Captive services Ongoing subscription and SLA

Our team

Spanning across two offices, in **Podgorica** and **Vienna**, we are a team of 80 passionate telecommunications, system and IT engineers, with hundreds of years of collective experience in the telco industry, bringing efficient network solutions, one step at a time.

17

17 years on the market

20^M

Millions of subscribers
on our AAA platform

100⁺

100+ years of team experience
in Telco industry

2

European offices
Podgorica and Vienna

Check out who we are:

logate.com/about-us/



Want to partner up with **Logate**?

We are always on the lookout for partners for OpenProvider deployment and expansion to Telecoms world wide.

Benefit from our collaboration through:

**Being an official reseller,
benefiting from sales
percentages.**

**Providing first and second
level of support for our
platform to Telekoms.**

**Engaging your engineering
team in the deployment
phase of the product.**

Deliver next generation network functions with Logate

Talk to our experts

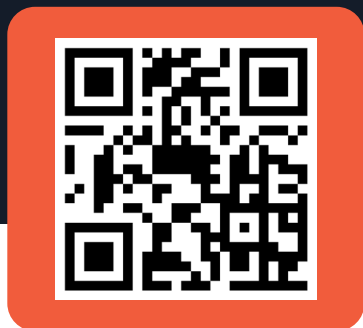




Find out more
about OpenProvider Network Functions

logate.com/openprovider

or Schedule a Walkthrough



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