

## Customer

Hrvatski Telekom is the leading telecommunications provider in Croatia, providing fixed and mobile telephony, wholesale, internet and data services.

2.3 million users of mobile services

1.5+ million users of broadband internet and TV services

800 000+ users of fixed services

## Project background

In 2018, Hrvatski Telekom sought for a vendor to replace their old AAA (RADIUS) system for fixed users and to build a test AAA system, and to extend their NFVI infrastructure. Based on the extensive experience, Logate was chosen as a provider, alongside a partner company S&T. After successful completion of the project, the cooperation continued on the project of extending the AAA platform to support mobile users and VoWiFi. Logate managed to introduce an efficient, scalable and stable virtual AAA system that was capable to support services offered by the client in a virtual environment and across several data centers.

The capabilities of OpenProvider AAA were especially distinguishable when the system was required to handle a growing number of users and user transactions that Hrvatski Telekom experienced, especially in the domain of mobile services, for which Hrvatski Telekom is known to be a leader in the Croatian market.

## vAAA implementation for fixed services

Logate deployed its **OpenProvider AAA platform** that had the following characteristics:



Handling AAA for fixed services - FTTH, Dial-up, WiFi, VPN



Solution was delivered in the virtual environment using OpenStack NFV infrastructure



High availability and scalability that allows fully redundant deployments with stateful processing across all nodes.



Real-time control and management over subscriber network access



Easy service building supported by the low code scripting language, OpenFunction



Numerous options on how to handle charging and rating



Personalized experience through different tiered-service bundles



Web-based administration interface used for both service configuration and monitoring.



Integration with OSS/BSS systems.

## vAAA for mobile users and VoWiFi

After successful completion of vAAA for fixed services, in 2019. Logate team was entrusted by Hrvatski Telekom to:

- Extend the existing vAAA VNF including the third Data Center
- Implement vAAA for Mobile users
- Implement vAAA for VoWiFi

### Results:



Extending existing OpenProvider AAA to serve over 2 million mobile users



Extended functionalities to support high performance and response time for AAA of mobile users



Enhanced redundancy by adding a virtualized application to another DC.

### Team capabilities

Solution design | Project management | System integration |  
Data migration | Training and education | 24x7 remote support

### About us

15

years on the market

20<sup>M</sup>

Millions of subscribers on our AAA platform

80<sup>+</sup>

80+ years of collective experience

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