

Iskon Croatia - Replacing legacy AAA for Fixed internet and implementing vCDB

logate

Iskon Croatia is a subsidiary of Croatian Telekom, part of Deutsche Telekom Group. It is a telecommunications company existing since 1997, offering a variety of telco services to hundreds of thousands of Croatian citizens. Services include internet, fixed line telephony, mobile and IPTV services, both for private and corporate clients.

OpenProvider AAA key benefits for Iskon:

- Replacement of the legacy AAA platform for Fixed internet
- Enabling stability of the service, thus improving customer experience
- Single AAA enabling easy upgrade and convergence of access technologies
- High availability of the data by integrating Cassandra database at the core of solution and CDB
- Active-active load sharing mode of work
- Logate telco expertise providing redesign of the network environment to enable improved AAA and surrounding services

"We see the Logate team as extremely knowledgeable and efficient, deploying the project deliverables even before the agreed deadlines. By implementing OpenProvider AAA platform and vCDB we foresee higher stability of our services, higher data availability thanks to Cassandra database lying in the core of the solution, and also a platform with high TPS performance. We are particularly content with the cost-quality ratio that we got with OpenProvider, which is perfectly comparable to the big names in the industry."



Neven Petrlik
Head of IP Core Network & Services Department,
Iskon Internet

Replacing existing AAA and redesigning existing environment

Logate began cooperation with Iskon Croatia in 2022, after successfully collaborating with Croatian Telekom on different use cases including the AAA platform.

Iskon had the need to modernize their existing network infrastructure, replace the legacy AAA solution used thus far and introduce improved AAA that will enable the delivery of stable and innovative use cases.

The project started with the Logate team replacing the existing AAA solution for fixed internet and implementing all services that Iskon currently offers to their subscribers on the new AAA platform.

Next, Logate participated in the redesign of existing environments which rely on AAA. With the new solution Iskon will separate the policing part in OpenProvider AAA and subscriber definition in the Central Database (CDB), which is a tailor made solution designed to meet the data management needs of OpenProvider AAA.

Using our Service Management Engine and OpenFunctions low-code platform, Iskon will have the possibility to introduce new services in a fast and easy way.

vAAA and vCDB implementation for fixed services

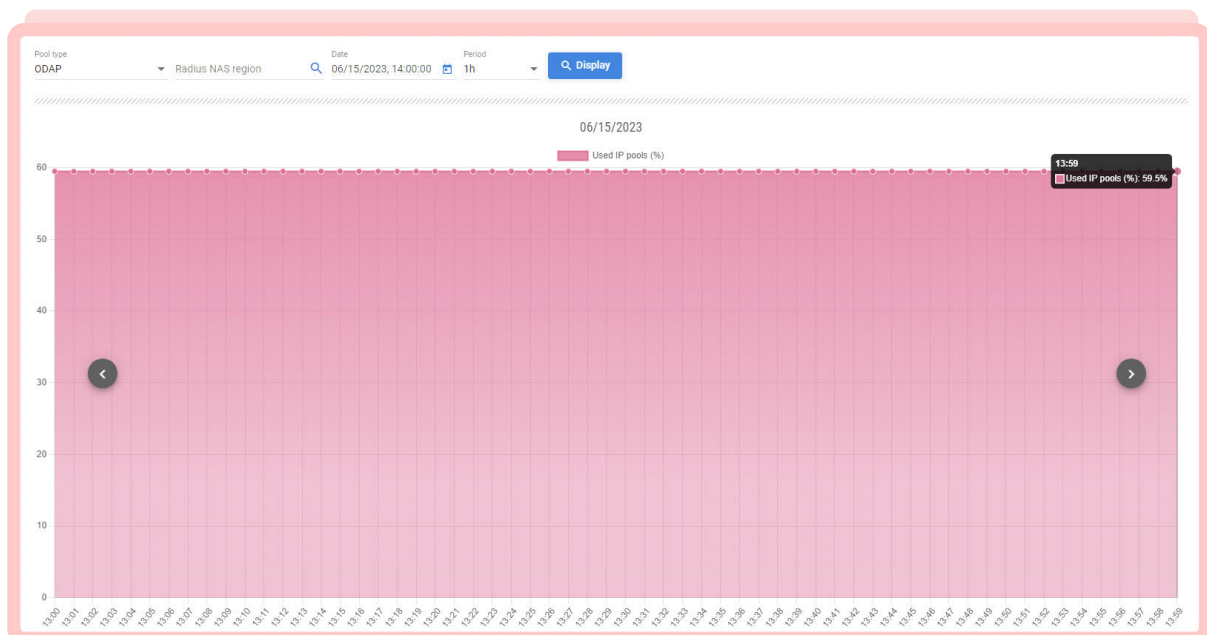
Logate deployed its OpenProvider AAA platform that had the following characteristics:

- 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 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.
- ODAP (od demand access pools) implementation for pools of IP addresses
- CDB implementation with subscriber and profile definition

ODAP definition

KEY	RADIUS NAS	POOL IP ADDRESS	POOL NETMASK	START	INTERIM	AVAILABLE
> BITMNG		10.129.254.208	255.255.255.240			✓ ...
> BITMNG		10.129.254.64	255.255.255.240			✓ ...
> BITMNG		10.129.253.240	255.255.255.240			✓ ...
> BITMNG		10.129.253.160	255.255.255.240			✓ ...
> BITMNG		10.129.254.128	255.255.255.240			✓ ...
> BITMNG		10.129.254.16	255.255.255.240			✓ ...
> BITMNG		10.129.253.48	255.255.255.240			✓ ...
> BITMNG		10.129.253.16	255.255.255.240			✓ ...

ODAP statistics



TEAM CAPABILITIES



Solution design



Project management



System integration



Data migration



Training and
education



24x7 remote support

About us

16

years on the
market

20^M

Millions of subscribers
on our AAA platform

80⁺

80+ years of collective
experience

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