

CASE STUDY

Loop21 Hotspot Software for VOLhotspot (Vorarlberg, AT)



Teleport is running more than 100 VOLhotspots in Vorarlberg, Austria. These hotspots need continuous software development, maintenance and updates. Loop21 offered the perfect solution to outsource these issues. Together, Teleport and Loop21 realised an individualised unique software package for the hotspots in Vorarlberg.



HIGHLIGHTS

- » Loop21 Hotspot Software
- » Individualization
- » Prepayment interface
- » Internet login
- » Voucher module
- » Administration backend
- » Expandability

Overview

Loop21 put several software aspects and modules together to come up to the project's desires. For authentication, the registration module is extended with an interconnection to Teleport's own SMS gateway.

Accounting is realised in two ways. On the one hand, the payment interface module is activated with MPAY24 – users can register, log in and buy their credit on their own. On the other hand, an administration backend for the several hotspot locations has been developed. Now, these locations (e.g. hotels, bars, etc.) can create vouchers to sell to their customers. In the background, Teleport has access to an interface to watch the sales of the sold Internet accounts of every location. Every month, they can make an accounting to settle their commissions automatically.

The design of the login pages has been adapted to the corporate identity of VOLhotspot. Different pages for desktop and mobile devices have been implemented. The system is differentiating on its own.

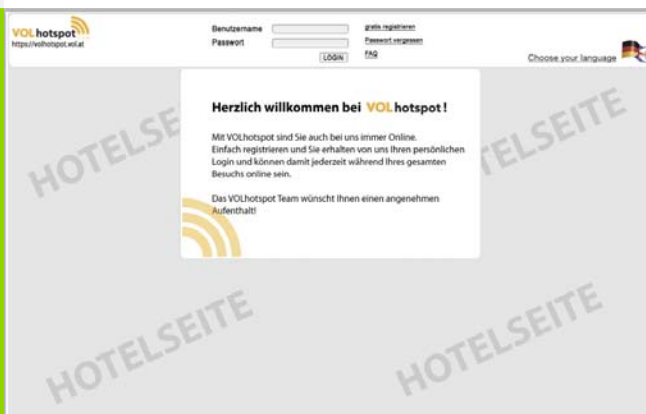
Also the multilingualism and the small location-based module are big issues in this project. Several translations such as German, English, Russian, French, etc. can be chosen by the user or automatically by the user's device. And every single hotspot can show its own "Landing page" during the log in procedure.

Another point of the outsourcing is that Loop21 takes care of system backups in their independent datacentre, operations, software updates, 2nd level support and retention of data. In future, also the interconnection between Teleport's customer database and the Loop21 user database is considered. Then, every customer of Teleport can use their existing customer ID and e.g. birth date to log into a VOLhotspot.

Systems in use

- » Loop21 hotspot system (server and client version)
- » Internet Login and AAA-system (authentication, authorization, accounting)
- » Voucher module & prepayment interface module (MPAY24)
- » LBS (Location-based Service) / Landing Page
- » Storage of Internet traffic data
- » 2nd level-support and operations

Screenshots (Login page, desktop version)



About us

The company Loop21 Mobile Net GmbH is situated in Austria (Europe) and is a full-owned subsidiary of www.funknetz.at GmbH, which services a range of Internet projects in Europe and abroad, being one of the largest Wireless Internet Service Providers (WISP). Being a mere garage start-up in 1999, the company has developed into a well-established company by now.

By using the fundamental network and infrastructure know-how efficiently, Loop21 is a developer, producer and provider of Wi-Fi hotspot systems. Offering well-developed WIFI hotspot software including location-based services that cover complete areas, the trend of "Wi-fi Internet" is combined with entertainment and infotainment, which is realised step by step in Europe and abroad.

The young and dynamic team services a large number of providers, companies, tourism associations, amusement parks, gastronomy, hotel industry, towns, municipalities and shopping centres worldwide. That shows the intersectoral demand for innovative tools, which improve the customer relationship and guidance.

Offering unique software, experiences in international activities were collected. Loop21 has realised various consulting projects by now. The company convinces with its transnational experiences. Projects in Germany, Italy, the Slovak Republic, Hungary, Kosovo, Greece and Nigeria stand out due to the precise project handling, competence and flexibility.

Contact information

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