

Globus ČR, v.o.s. Integration platform GSOA

Unicorn Systems has implemented and deployed a GSOA platform for the client that enables unified access to data and services over customers, loyalty program and Globus products through the REST API and Microservices in a service-oriented architecture



It is a comprehensive solution designed and built in record time for automated customer service needs in the My Globus Mobile App, as well as other Globus systems and websites.

Success story

Unicorn has provided a new integration and business platform with a universal REST API interface tailored to Globus's requirements, environment and strategy. Without an exaggeration in the agreed term, quality, budget and scope. Over the course of three months, five teams from three Unicorn development centers (Prague, Pilsen, Písek) collaborated to deliver a comprehensive delivery including eight modular applications, its security, high availability configuration for on-premise cloud infrastructure, and integration into ten highly heterogeneous backend and frontend systems. Intensive implementation was followed by a two-month test end2end operation culminating in a successful pre-Christmas launch and handing over to support with continuous agile development.

An essential part of the implementation of the platform was the synchronisation of the Unicorn development team and the Globus internal development team and the related transfer of the development of other GSOA modules to the internal team. The output of this activity is the first services successfully developed by this internal team and put into production.

The SOA principle has been decomposed according to the Microservices pattern into standalone services that improve modularity and enable efficient data combining. Currently, the platform exposes complex customer data, product catalogue, multimedia data, administration and distribution for the loyalty program through the REST API. This data is displayed online, uniformly, consistently and securely (in terms of authentication and authorisation).

Technology Framework Platform is Mobile First Cloud ready service-oriented architecture based on REST API, .NET Framework, XML, and using for its services besides MS SQL also databases MongoDB and Elastic. Authentication is built on OAuth2 standards and performance is controlled by load balancing and Proxy (IIS).

On this basis, other business services from independent supplier teams have been delivered and are being prepared. Unicorn Systems maintains the GSOA integration platform, continues to develop it, and is expected to become a key component of Globus for all online services in the future.

The GSOA platform we serve currently serves over 70,000 user accounts, and its robustness is attested by 3.5 million handled requests per week.

Statement of Globus representative:

"At Unicorn Systems, we have found a reliable partner for the implementation of the GSOA Integration Platform (Globus - Service-Oriented Service Architectures), which has become an important milestone for digitising our customer service. Thanks to this platform, we can innovate the way of shopping in all Globus hypermarkets much faster using, for example, mobile application or pilot projects such as buying food online. It will also enable us to more effectively deploy new technologies and interconnect GSOA technology services so that we can offer a personalised solution to each individual customer."

In Prague 19.12.2019

Petr ŘEHÁK
CIO IT
Globus ČR, v.o.s.



Globus hypermarkets are one of the longest present retail brands in the Czech Republic - since 1996, they have been addressing customers with the broadest range of food and non-food products on the Czech market. The German company owned by the Bruch family for five generations still maintains its family character and brings its unique values to the Czech Republic based on quality, freshness and honest craftsmanship. Each of the 15 Globus hypermarkets has its own butcher shop, bakery including a pastry shop and its own restaurant and café. Since 2018, Globus's own production has been presenting the new Globus Fair Manufacturing brand, which produces more than 700 foods every day. Production together with eight other own brands underlines Globus quality guarantee. Globally, Czech suppliers, including regional suppliers, have exemplary support for Globus. The characteristic motto "Here is the world still right" reflects the company not only in relation to customers and employees, who are always in the first place but also in a number of socially responsible activities. More at www.globus.cz