Identity Management Solution for Automotive and Connected Vehicles

Challenge

Our client was attempting to create a simple and secure identity platform that allows for seamless access to mobility solutions. The product needed to be simple, scalable, and drive increased user experience while also placing a strong focus on increasing security and flexibility.

Solution

After an in-depth analysis, ForgeRock was recommended to create a scalable solution that would support millions of transactions from vehicles, mobile phones, and websites. During the migration from Azure to ForgeRock's authentication platform, we provided a seamless transition for over 1.6M users. We built the very first successful Kubernetes containerized solution that easily scales up or down depending on the traffic requirements without any changes to the existing configuration. This platform is a simple, flexible, and secure identity management solution that provides real-time authentication and will continue to seamlessly support millions of users as they continue to migrate in the following years.

The final solution is a highly available cloud-based and containerized modern infrastructure which allows for a wide variety of secure authentications and social login integration such as Facebook, Apple, and Google. On average, we save 25% of the projected cost: the architecture is so flexible and robust that it allows multiple environments to be shared within the same cluster and, when shared, can provide a 50% cost reduction.

Results

- Kubernetes containerized solution provides savings of over 50%

- Users have many options for password/authentication such as Device OAuth and Device Fingerprinting

- Simplified authentication process creates better user experience with seamless integration between phone and vehicle while delivering seamless access to valuable information and applications

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