

The Idea

Multifactor authentication (MFA) becomes a standard in the world of sensitive data. There are a lot of companies providing such services, but integration with their solutions takes too much time and efforts. So, our customer, having a lot of experience in using such services, came up with idea to create two-factor authentication service which can be setuped within several hours.

Easy to use service for multifactor authentication

The challenge

The main barrier on the beginning was unclear situation on how to achieve such speed of integration, as there was no any single standard in this field.

Another significant challenge is raised from the customer's domain: security solutions must be secure by itself.

The solution

After some investigation we come up with the following ideas:

- The solution should be provided as SaaS to reduce deployment
- Component-based architecture with low-coupled modules, concentrated on their particular tasks (high-cohesion) to enable quick adaptation for changes and customers needs
- REST API and clients on different programming languages for quick integration

Technologies

Core technology	Java 7
Core framework	Spring
ORM	Spring JDBC
DB	PostgreSQL
App Server	Tomcat, Jetty
Front-end	Tapestry
Build and deployment	Maven
Other	Memcached, Liquibase, Nginx

Results and current state

The project has been successfully released and already has several big clients. On this phase we are actively involved in developing components for integration with enterprise-level software using Radius, LDAP and other protocols.