Deblokt
REMOVING ROADBLOCKS IN YOUR BUSINESS

How Deblokt enabled FocustApps to authenticate easily and securely across multiple applications and environments

Challenge

As FocustApps, a mobile app developer, was creating more and more smaller distributed applications instead of giant monoliths, a problem arose: how to protect all these applications and enable them to talk to each other and have knowledge about the user's identity and privileges? The company uses cloud infrastructure and maintains dozens of apps in any environment at all times, and many require user credentials to support user interaction.

The challenge was two-fold:

① getting all applications to talk to each other in a standard, secure and scalable way

② supporting major identity providers, but still keeping a local user store and assigning roles and claims at will

When American company FocustApps needed a modern Single Sign-On solution, with easy user, roles and claims management, it asked Deblokt for help. Here is how Deblokt, specialist in open-source Single Sign-On solutions, helped FocustApps with simple and secure authentication, using industry-standard protocols, across multiple applications in multiple cloud environments.

Solution

The team at Deblokt built a fully customizable Single Sign-On solution, using IdentityServer4, an OpenID Connect certified Identity Provider solution, as a primer. To support several legacy endpoints custom flows were added. Deblokt built a custom user interface for the forward-facing pages and provided full ownership of the entire code base, in order to enable FocustApps to continuously compile and deploy into any environment.

Benefits

- ⊘ A fully custom and OpenID Connect standard-certified solution

- ⊘ Full ownership of the SSO solution and no subscription fees

- ⊘ Deployment to any platform in-house or on-cloud

- ⊘ Easily modifiable source code and SSO behavior

- ⊘ Support for multi-factor authentication protocols like FIDO2 and TOTP

Results

FocustApps has a tailor-made Single Sign-On solution that uses makes adding new applications to the cloud and connecting to existing applications simple and secure, using standard authentication flows. It runs perfectly without supervision, and keeps a log of any errors and warnings that might have happened during daily use. FocustApps integrates it into almost all of the applications they develop. The SSO solution is running 24/7/365, and FocustApps has paid only for cloud hosting, after the initial periods of implementation, integration, and support concluded.

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