

Fimnet Auth Overview



Version: 2014-04-11

Overview

The new Fimnet Auth is based on OAuth 2.0 authentication framework with Open ID Connect extension. It'll be very similar to Facebook Auth, Twitter Auth, or Google Auth, so most web developers will already be familiar with the underlying mechanism. The implementation will therefore be faster and easier than the previous version of Fimnet Auth.

Fimnet Auth consists of two parts:

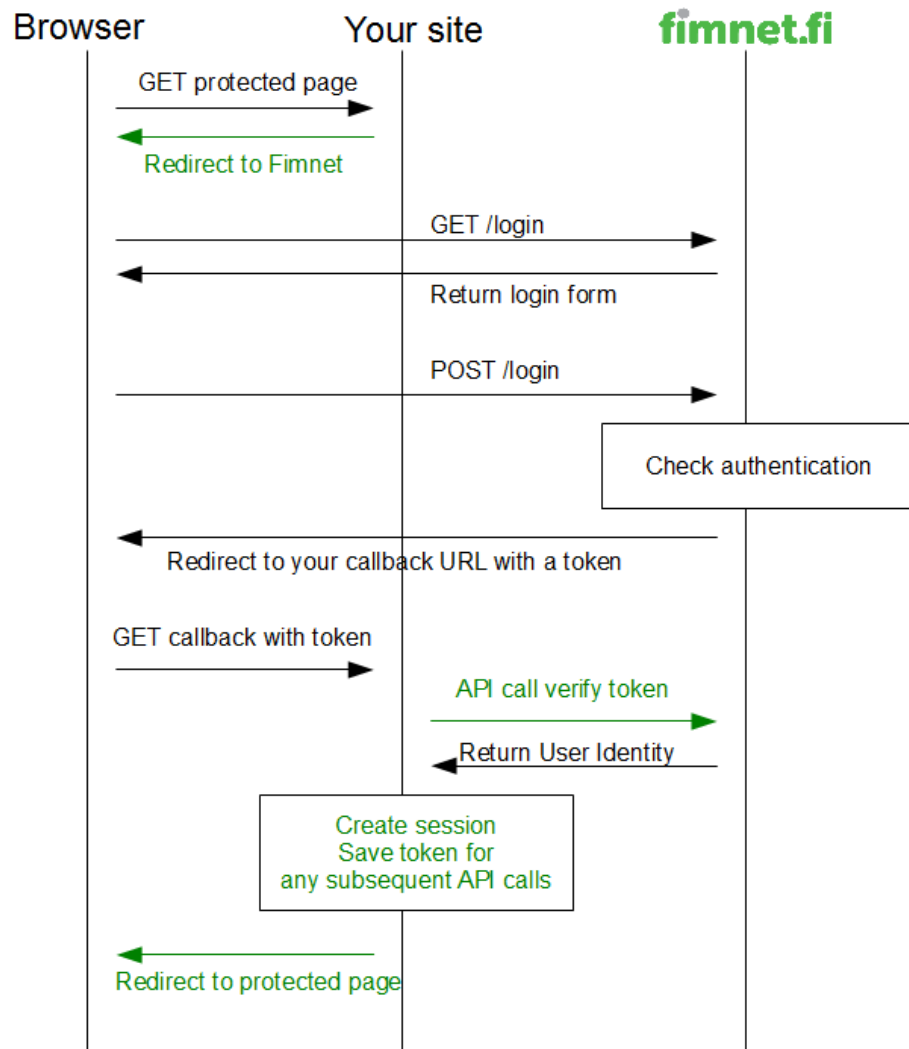
- FIRE API (Fimnet Registry API) : a REST/JSON API to the Fimnet user database. With it you can read and update user information.
- Fimnet Auth itself, as know as “the login form”, a OAuth 2.0 and Opend ID Connect application for user login, logout and password recovery.

The general workflow is as follow:

1. Your application implements its own session management. If the user is not logged it, your application will display a link “Login with Fimnet”.
2. Upon clicking the link, the user will be redirected to secured Fimnet login page, where he'll enter his Fimnet ID and password. If the user has already a Fimnet session active, he won't have to signin again.
3. After successful authentication, the user will be redirected to your application, to a special callback URL with a set of parameters (authorization grant). Your application will then make an API call to Fimnet to verify this authorization grant. In return it will receive an Access Token, and the user Identity (ID Token).
4. If the call is successful, you can log the user into your application. With the Access Token, you can access to new FIRE API during the time of the session in order to get more information about the user, or even update it (depending on your level of access).
5. (optional) When the user logs out from Fimnet, Fimnet Auth can call another callback where you will destroy the user session in your application.

Fimnet Authentication 2014

Communication flow



In green: the actions you have to implement:

- Redirect the user to Fimnet if not he is not signed in on your site.
- A callback that will be called once the authentication is complete. If the authentication is successful, it will have to verify the token and create the user session.

What we provide

When you get access to Fimnet Auth, you'll receive the following information:

- A set of client ID / client secret for your application (equivalent to a username/password). These credentials will give you access to Fimnet Auth and FIRE API
- Documentation for the FIRE API
- Client library for the FIRE API (not available in every programming language)

Additional reading

- <http://oauth.net/2/>
- <http://openid.net/connect/>

Disclaimer

Fimnet Auth is still a work in progress. The final specifications are subject to change.