# Early Changes to Hypothes.is

To both get into the Hypothes.is application to make some specifc early modifications and to work out the best approach for later modifications, I made some superficial changes to the code.

I altered the HTML templates to add a “service” field. The idea with that, was that a user could authenticate again their de facto annotation service, or they could nominate a remote annotation service. I was able to add the additional field, but I re-read part of the hypothes.is road map. This requirement is needed to be able to name OJS as an authentication source. The project vision covers portable authentication: https://github.com/hypothesis/vision/issues/68 ; and the bookmarklet implies the capacity name a different source of authentication by naming my account as “[dewolfe002@helene.library.uvic.ca](mailto:dewolfe002@helene.library.uvic.ca)” as opposed to “dewolfe002.”

Inside of the /h/auth/local/models.py there is code to parse a username from a domain. The main trunk of code doesn’t do anything to address third party authentication. There is oauth code (/h/auth/local/oauth.py) in Hypothes.is as well but it doesn’t appear to have any linkage to allow for connection of the passage of credentials. More talk on the project - <https://github.com/hypothesis/h/wiki/Using-several-instances-of-H-simultaneously> -- when I posed a question about authentication via an alternate domain (i.e. authenticate via our main site; or by something else-- authorized by the hypothes.is site; or our install of OJS) this was the thread in Google Groups ( <https://groups.google.com/forum/#!topic/hypothesis-forum/0C_5Ed6LnH8> ). Basically the respondent suggested that each instance of Hypothes.is needed a separate Firefox add-on or Chrome bookmarklet.

In the case local authentication, they supply their username. In the case of remote services, they could supply a domain demarcated by an @ (eg. jsmith is local; [jsmith@hypothes.is](mailto:jsmith@hypothes.is) would use that service for authentication).

There is a placeholder for SSO in the project vision for <https://github.com/hypothesis/vision/issues/118> -- that has not been fleshed out or elaborated upon.

# Attempts

The Firefox add-on adds an IFRAME in a DIV to a given webpage. it appears to overlay the frame over the side of the pre-existing HTML. Other services that allow for third party authentication will redirect users to the remote site (eg. to Facebook to authenticate against Facebook inside of the Facebook domain).

I attempted to add a script into the list of included scripts that could replace the Javascript source (the embed.js file) with a source that was different (eg. something that loaded from a third party to populate the add-on region with different remote code). The manifest of vendor scripts could not be added to. I did add the reference to persona.js in the assets.yaml but a reload / recompile of the Hypothes.is does not add this to the HTML output. When I reloaded the script, it crashed the application launch. Commenting out those elements allowed the application to come back allbeit with problems.

Much of the client side code in Hypothes.is is generated with CoffeeScript. I did attempt to affect the code by making changes in the Coffeescript files so that I could name default service urls that could replaced by the JavaScript. When that didn’t have the desired effect, i reached out to the community to ask where my error was. I have not received a substantive answer on how to do this differently: <http://stackoverflow.com/questions/26723232/setting-a-form-field-with-a-default-value-using-coffeescript>