

Web Service Improvements

New functions:

- Turning on/off 2FA for user
- Check if 2FA is enabled for logged in user
- Public: Accept second factor -
 - Can only be called if the request is to submit a second factor for a user that has recently attempted to log in, assuming the request is also from the same IP address as the login attempt.
- Generate and store secrets. Needs to have new table UserSecret
- Public: "Holding function" - Returns UserInfo (token, expiration etc.)
 - ourwebservice.com/service/holdingfunction/longrandomlygeneratedstring
 - ^ 404 - timed out or canceled (should expire in one minute)
 - 200 ok - Returns UserInfo (token, expiration etc.) once
- Public: Cancel login attempt

Changes to existing functions:

- For login:
 - Returns a secret on first login
 - If a user has a secret, send response pointing to the "holding function", indicating that you want further authentication.
 - Store IP Address and time of last logged in attempt for user
 - If time of last logged in attempt for user is less than one minute ago, fail the login
- For password reset:
 - Remove secrets
 - Optionally toggle off 2FA setting for user (assuming that they don't belong to a sponsor that forces 2FA)

Notes:

- Will think more on the sponsor using 2FA but users having the previous app version (without 2fa). ::confused_and_thinking:: - I think the idea is to intentionally break the older apps, so that an unsecure app cannot connect to the web service.