

Task UFC-317: Date Encryption

The following document will go over the design of date encryption, as outlined in task ticket UFC-317.

Acceptance Criteria

For reference, the following are the acceptance criteria for this ticket:

- I want all of the dates of my data (date, createdAt, and updatedAt) to be encrypted.

Design Brainstorming

OK, so I think the biggest problem with adding date encryption is how to go about migrating old non-encrypted dates to new encrypted dates.

The best I can think of right now is to just do it as part of login, like we did with the old encryption migration process. Ironically, we're probably gonna have to dig that code out to-reuse it. We'll probably just have to do it once in dev, save a SQL dump, and just restore it to prod. That's probably the *easiest* way. Not the most sustainable way, but we shouldn't have to migrate any more unencrypted data after this.

Tasks

- Modify all the schemas/models to support strings for the dates.
- Migrate all existing user data to use encrypted dates.