Migrate to Harvard Enterprise GitHub (code.harvard.edu)

To migrate a repository from a git based version control (like github, Bitbucket, code.seas.harvard.edu, etc) to Harvard Enterprise GitHub

1. Create a repository in code.harvard.edu
2. Use git commands to move the repository contents.

Example: Suppose we want to migrate my_test_repo (git@bitbucket.org:my_project/my_test_repo.git) from Bitbucket to Harvard Enterprise GitHub.

Create new repository "my_test_repo" in code.harvard.edu using the UI or API

Using the website

- Login to code.harvard.edu
- Create new repository, for help use: https://help.github.com/articles/create-a-repo/

Or with API calls

Note that token and API calls are useful if you want to automate things or move multiple repositories at once.

- Create a personal token in code.harvard.edu:
  - fill out the Token description
  - check the "Repo" box in the Select Scope.
  - For more help with the personal token look at: https://help.github.com/articles/creating-a-personal-access-token-for-the-command-line
  - For Simplicity, assign the token value to a variable (say AUTH_TOKEN).
  - Create a repository (private or public) in your organization (Like SEAS). Note that the list of available parameters to create a repository can be found here: https://developer.github.com/v3/repos/

```bash
AUTH_TOKEN=f1af1e2a1985d6f789f85505b28de329185e4cf4
DATA='{"name":"my_test_repo", "description":"my_test_repo repo in Harvard GitHub", "private":true, "has_wiki":true}"

curl -H "Content-Type: application/json" -H "Authorization: token $AUTH_TOKEN" -X POST -d "$DATA"
https://code.harvard.edu/api/v3/orgs/SEAS/repos
```

- Write down the repository ssh URL. In this case it is "ssh_url": "git@code.harvard.edu:SEAS/my_test_repo.git",

Migrate the repository

- Clone the old repository
- Remove the old repository remote URL
- Add the new remote repository URL,
- push to the remote repository.

```bash
git clone --mirror git@bitbucket.org:my_project/my_test_repo.git
cd my_test_repo
git remote remove origin
git remote add origin git@code.harvard.edu:SEAS/my_test_repo.git
git push origin --mirror
```

- The "--mirror" option is to map all the branches and tags.
You need to setup SSH keys to the push to a repository in code.harvard.edu

Remove your token

if you created a token above, then delete it

go to: https://code.harvard.edu/settings/tokens then delete it.