**How to deposit your tool on the NRDC GitHub website**

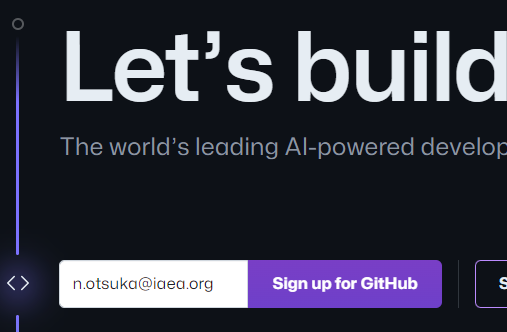
Naohiko Otsuka (2024-05-19)

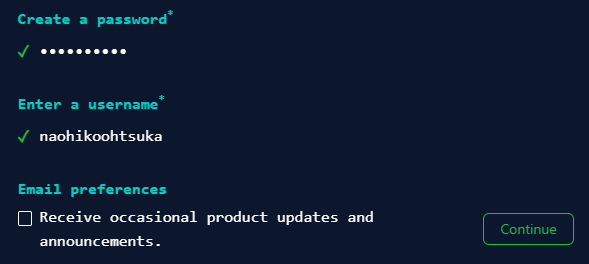
Following recommendation from the NRDC 2024 meeting, I prepared a GitHub website for exchanges and collaboration on development of software tools between NRDC members on a trial basis. Note that the NRDC software website (<https://nds.iaea.org/nrdc/nrdc_sft/>) will serve as the primary website for software tool exchanges.

This is a short guide for the NRDC members who want to share an EXFOR related codes developed by a NRDC member to the NRDC GitHub website. This guide explains a developer creates a new GitHub user account (user name: naohikootsuka) and upload a tool “x4util”.

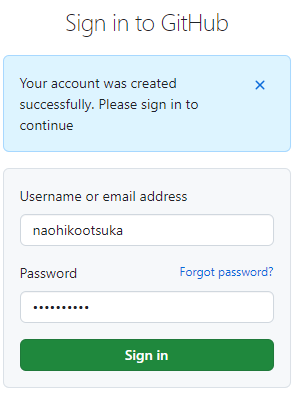
**1. Creation of your GitHub account**

1.1. Create a username (naohikootsuka) and password with your email address on the GitHub main website https://github.com/:

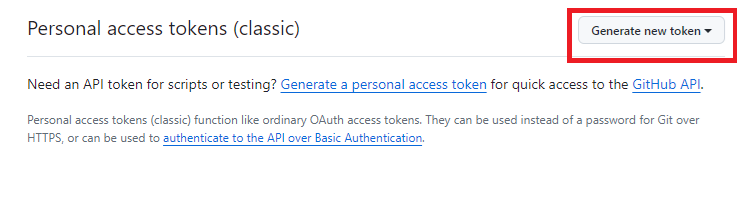
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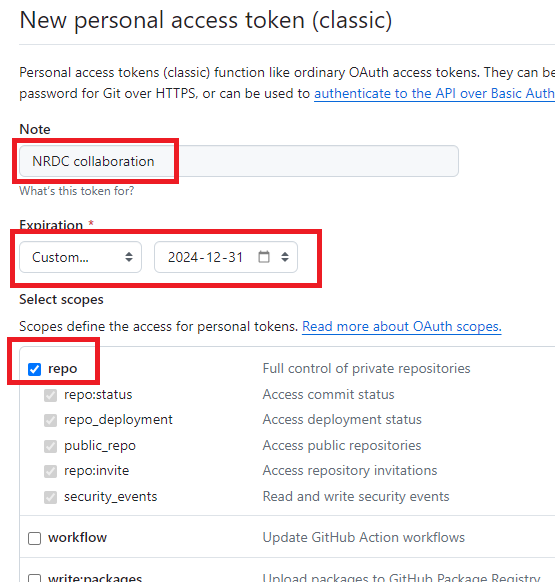
1.2. Sign in at <https://github.com/> with the newly created account:

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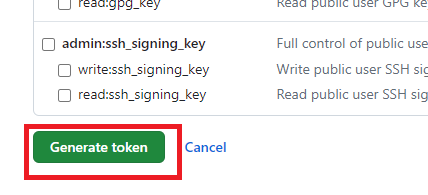
1.3. Generate an access token at <https://github.com/settings/tokens/>.

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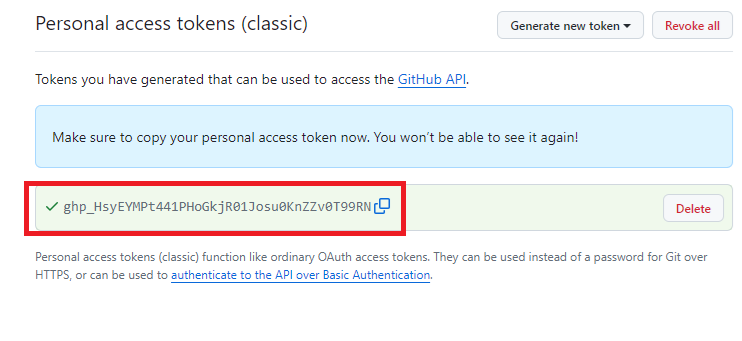
1.4. Provide note, expiration date and scope.

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1.5. Click “Generate token:

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1.6. Print access token (This will be required when you deposit your tool.)

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**2. Preparation of a directory (repository) on your computer (Linux)**

The next example shows uploading of all files under the directory “x4util-20240503” and a file “iaea-nds-0244.pdf”.

% cd /home/git/x4util

% ls

x4util-20240503/ iaea-nds-0244.pdf

% git init

Initialized empty Git repository in /home/git/x4util/.git/

% git add .

% git commit -m “initial commit”

[master (root-commit) ad2d3e2] initial commit

12 files changed, 6474 insertions(+)

create mode 100644 iaea-nds-0244.pdf

create mode 100644 x4util-20240503/x4\_dic227.py

create mode 100644 x4util-20240503/x4\_dica2j.py

create mode 100644 x4util-20240503/x4\_dicdis.py

…

% git branch -M main

**3. Upload the files to NRDC GitHub from your computer**

Inform the NRDC coordinator the repository name (e.g., “x4util”), and do the following procedure once the repository is created by the coordinator:

% cd /home/git/x4util

% git remote add origin <https://github.com/IAEA-NRDCNetwork/x4util.git>

% git push origin main

Username for 'https://github.com': **naohikootsuka**

Password for 'https://naohikootsuka@github.com': \*\*\*\*

(Here you have to provide your access token, not password!)

Counting objects: 100% (15/15), done.

Delta compression using up to 8 threads

Compressing objects: 100% (15/15), done.

Writing objects: 100% (15/15), 266.08 KiB | 12.09 MiB/s, done.

Total 15 (delta 1), reused 0 (delta 0)

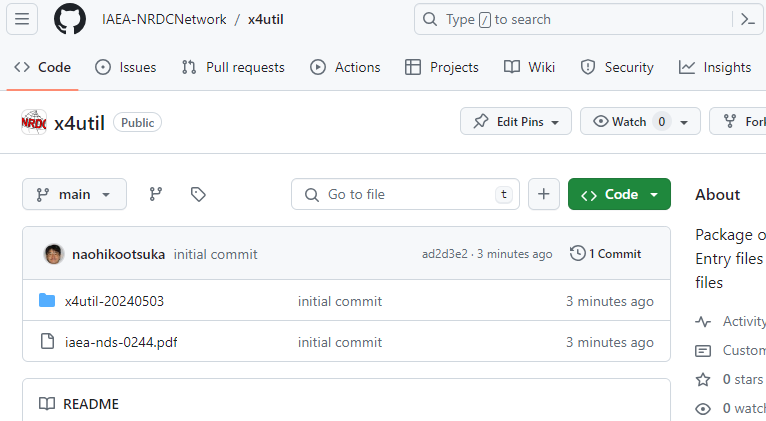
remote: Resolving deltas: 100% (1/1), done.

To https://github.com/IAEA-NRDCNetwork/x4util.git

\* [new branch] main -> main

**4. Confirm presence of your files on NRDC GitHub**

Visit <https://github.com/IAEA-NRDCNetwork/x4util>:



**5. Deletion of the repository**

If you want to delete the repository, inform the NRDC coordinator deletion of the repository, and also delete the .git/ folder in your computer.

% cd /home/git/x4util

% ls -a

x4util-20240503/ iaea-nds-0244.pdf

./ ../ .git/ x4util-20240503/ iaea-nds-0244.pdf

% rm -rf .git