

Hands-on Lab: Generate GitHub personal access token



Effort : 15 mins

Objectives

The goal of this lab is the create a **personal access token**. Personal access tokens function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS.

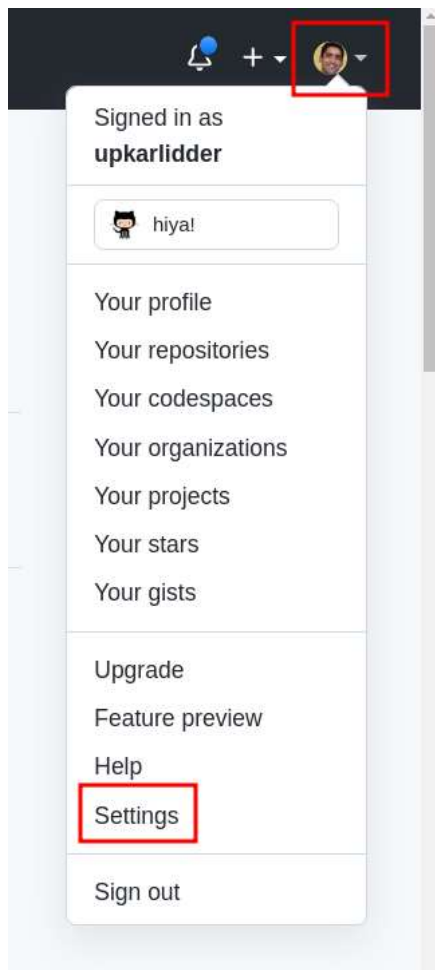
Pre-requisites

This lab requires a Github.com account. Additionally, verify your email address if it hasn't been verified on Github.

Exercise 1: Generate personal access token

Let's first create a personal access token that you will use as a password with pushing code back to GitHub.com

1. Open [GitHub.com](https://github.com). In the upper-right corner of any page, click your profile photo, then click Settings.



2. In the left sidebar, click **Developer settings**.

Account settings

Profile

Account

Appearance

Accessibility

Account security

Billing & plans

Security log

Security & analysis

Sponsorship log

Emails

Notifications

Scheduled reminders

SSH and GPG keys

Repositories

Packages

Pages

Organizations

Saved replies

Applications

Developer settings

Moderation settings

Blocked users

Interaction limits

Code review limits

Public profile

Name

Your name may appear around GitHub where you contribute or are mentioned. You can remove it at any time.

Public email

X Remove

You can manage verified email addresses in your [email settings](#).

Bio

You can @mention other users and organizations to link to them.

URL

Twitter username

Company

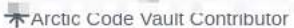
You can @mention your company's GitHub organization to link it.

Location

All of the fields on this page are optional and can be deleted at any time, and by filling them out, you're giving us consent to share this data wherever your user profile appears. Please see our [privacy statement](#) to learn more about how we use this information.

Update profile

Profile settings

This will display the  badge on your public profile page.

3. Click on **Personal access tokens** and **Generate new token**.

GitHub Apps

OAuth Apps

Personal access tokens

Personal access tokens

[Generate](#)

Tokens you have generated that can be used to access the [GitHub API](#).

<div></div>	Last used within
Expires on <i>Thu, Feb 10 2022</i> .	
<div></div>	Last used within the l

Personal access tokens function like ordinary OAuth access tokens. They can be used instead of a password to [authenticate to the API over Basic Authentication](#).

4. Give your token a descriptive name. To give your token an expiration, select the Expiration drop-down menu, then click a default or use the calendar picker. Select the scopes, or permissions, you'd like to grant this token. To use your token to access repositories from the command line, select repo.

Settings / Developer settings

GitHub Apps

OAuth Apps

Personal access tokens

New personal access token

Personal access tokens function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to [authenticate to the API over Basic Authentication](#).

Note
ibm-course
What's this token for?

Expiration *
30 days The token will expire on Wed, Feb 16 2022

Select scopes
Scopes define the access for personal tokens. [Read more about OAuth scopes.](#)

<input checked="" type="checkbox"/> repo	Full control of private repositories
<input type="checkbox"/> repo:status	Access commit status
<input type="checkbox"/> repo_deployment	Access deployment status
<input type="checkbox"/> public_repo	Access public repositories
<input type="checkbox"/> repo:invite	Access repository invitations
<input type="checkbox"/> security_events	Read and write security events
<input type="checkbox"/> workflow	Update GitHub Action workflows
<input type="checkbox"/> write:packages	Upload packages to GitHub Package Registry
<input type="checkbox"/> read:packages	Download packages from GitHub Package Registry
<input type="checkbox"/> delete:packages	Delete packages from GitHub Package Registry
<input type="checkbox"/> admin:org	Full control of orgs and teams, read and write org projects
<input type="checkbox"/> write:org	Read and write org and team membership, read and write org projects
<input type="checkbox"/> read:org	Read org and team membership, read org projects
<input type="checkbox"/> admin:public_key	Full control of user public keys
<input type="checkbox"/> write:public_key	Write user public keys
<input type="checkbox"/> read:public_key	Read user public keys
<input type="checkbox"/> admin:repo_hook	Full control of repository hooks
<input type="checkbox"/> write:repo_hook	Write repository hooks
<input type="checkbox"/> read:repo_hook	Read repository hooks
<input type="checkbox"/> admin:org_hook	Full control of organization hooks

Generate token

Cancel

5. **Copy the personal token somewhere safe.** Once you leave this page, you will not be able to see this token again. If you lose the token for any reason, you can generate a new token by following these steps again.

Settings / Developer settings

GitHub Apps

OAuth Apps



Personal access tokens

Personal access tokens

Generate new token Revoke

Tokens you have generated that can be used to access the [GitHub API](#).

Make sure to copy your personal access token now. You won't be able to see it again!

✓  

Delete

about:blank

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