

# Generating a Personalized Access Token

A small guide to generating a personalized access token to interact with external GitHub's GraphQL API.

## WE'LL COVER THE FOLLOWING



- Read/Write Data with GitHub's Personal Access Token

## Read/Write Data with GitHub's Personal Access Token #

To use GitHub's GraphQL API, you need to generate a **personal access token** on their website. The access token authorizes users to interact with data, and to read and write it under their username. You can follow these [step by step instructions](#) to generate the personal access token and be sure to check its necessary scopes (permissions), as you will need them to implement a well-rounded GitHub client later in the course.

<input checked="" type="checkbox"/> <b>repo</b>	Full control of private repositories
<input checked="" type="checkbox"/> repo:status	Access commit status
<input checked="" type="checkbox"/> repo_deployment	Access deployment status
<input checked="" type="checkbox"/> public_repo	Access public repositories
<input checked="" type="checkbox"/> repo:invite	Access repository invitations
<input checked="" type="checkbox"/> <b>admin:org</b>	Full control of orgs and teams
<input checked="" type="checkbox"/> write:org	Read and write org and team membership
<input checked="" type="checkbox"/> read:org	Read org and team membership
<input type="checkbox"/> <b>admin:public_key</b>	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"/> <b>admin:repo_hook</b>	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"/> <b>admin:org_hook</b>	Full control of organization hooks
<input type="checkbox"/> <b>gist</b>	Create gists
<input checked="" type="checkbox"/> <b>notifications</b>	Access notifications
<input checked="" type="checkbox"/> <b>user</b>	Update all user data
<input checked="" type="checkbox"/> read:user	Read all user profile data
<input checked="" type="checkbox"/> user:email	Access user email addresses (read-only)
<input checked="" type="checkbox"/> user:follow	Follow and unfollow users
<input type="checkbox"/> <b>delete_repo</b>	Delete repositories
<input type="checkbox"/> <b>write:discussion</b>	Read and write team discussions
<input type="checkbox"/> read:discussion	Read team discussions
<input type="checkbox"/> <b>admin:pgp_key</b>	Full control of user pgp keys ( <a href="#">Developer Preview</a> )
<input type="checkbox"/> write:pgp_key	Write user pgp keys
<input type="checkbox"/> read:pgp_key	Read user pgp keys

Later, the personal access token can be used to interact with GitHub's GraphQL API. Be careful not to share these authorizations with any third parties.

In the next lesson, we will use our token to configure the environment.