

# GitHub

## Introduction

The GitHub integration collects events from the [GitHub API](#).

- <https://docs.github.com/en/rest?apiVersion=2022-11-28>

Logs

## Audit

The GitHub audit log records all events related to the GitHub organization.

To use this integration, you must be an organization owner, and you must use an Personal Access Token with the admin:org scope.

This integration is not compatible with GitHub Enterprise server.

## Code Scanning

The Code Scanning lets you retrieve all security vulnerabilities and coding errors from a repository setup using Github Advanced Security Code Scanning feature.

To use this integration, GitHub Apps must have the security\_events read permission. Or use a personal access token with the security\_events scope for private repos or public\_repo scope for public repos.

## Secret Scanning

The Github Secret Scanning lets you retrieve secret scanning for advanced security alerts from a repository setup using Github Advanced Security Secret Scanning feature.

To use this integration, GitHub Apps must have the secret\_scanning\_alerts read permission. Or you must be an administrator for the repository or for the organization that owns the repository, and you must use a personal access token with the repo scope or security\_events scope. For public repositories, you may instead use the public\_repo scope.

## Dependabot

The Github Dependabot lets you retrieve known vulnerabilities in dependencies from a repository setup using Github Advanced Security Dependabot feature.

To use this integration, you must be an administrator for the repository or for the organization that owns the repository, and you must use a personal access token with the repo scope or security\_events scope. For public repositories, you may instead use the public\_repo scope.

## Issues

The Github Issues datastream lets you retrieve github issues, including pull requests, issue assignees, comments, labels, and milestones. See About Issues for more details. You can retrieve issues for specific repository or for entire organization. Since Github API considers pull requests as issues, users can use github.issues.is\_pr field to filter for only pull requests.

All issues including closed are retrieved by default. If users want to retrieve only open requests, you need to change State parameter to open.

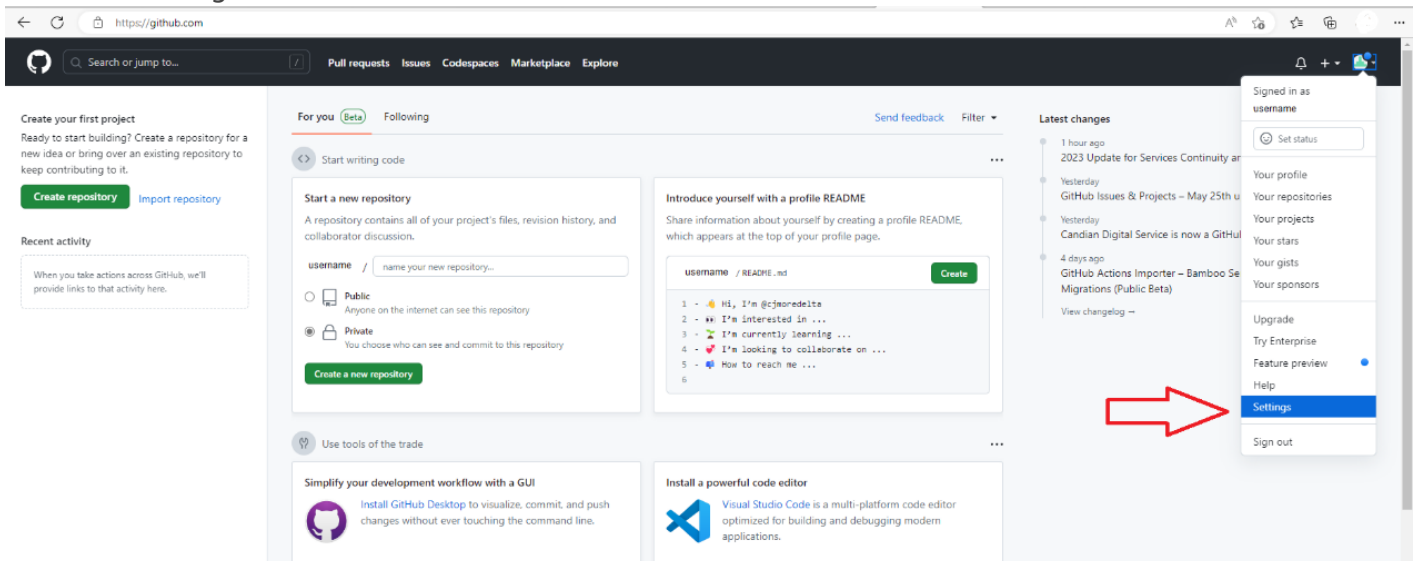
To use this integration, users must use Github Apps or Personal Access Token with read permission to repositories or organization. Please refer to Github Apps Permissions Required and Personal Access Token Permissions Required for more details.

## GitHub Integration Procedures

This integration is not compatible with GitHub Enterprise server.

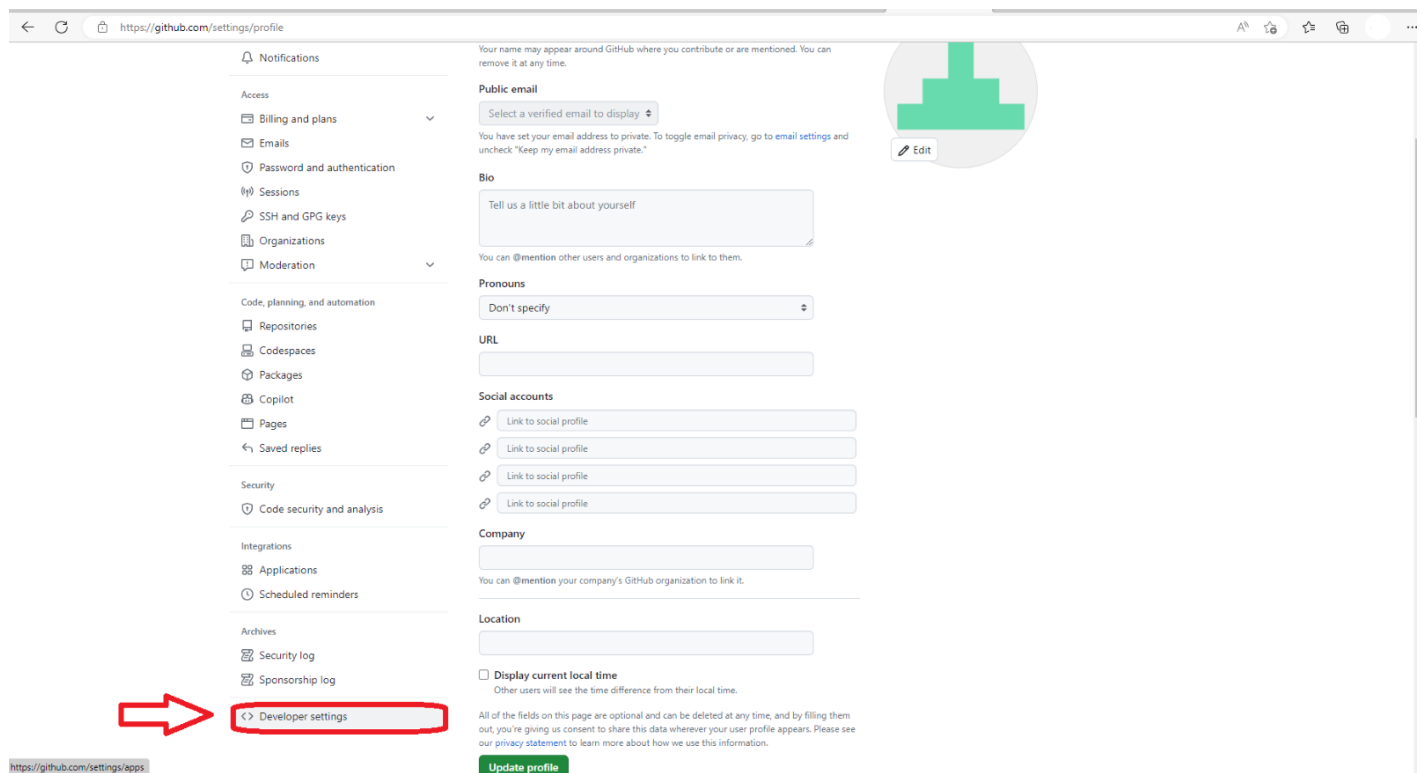
Please provide the following information to CyTech:

### 1. Select Settings



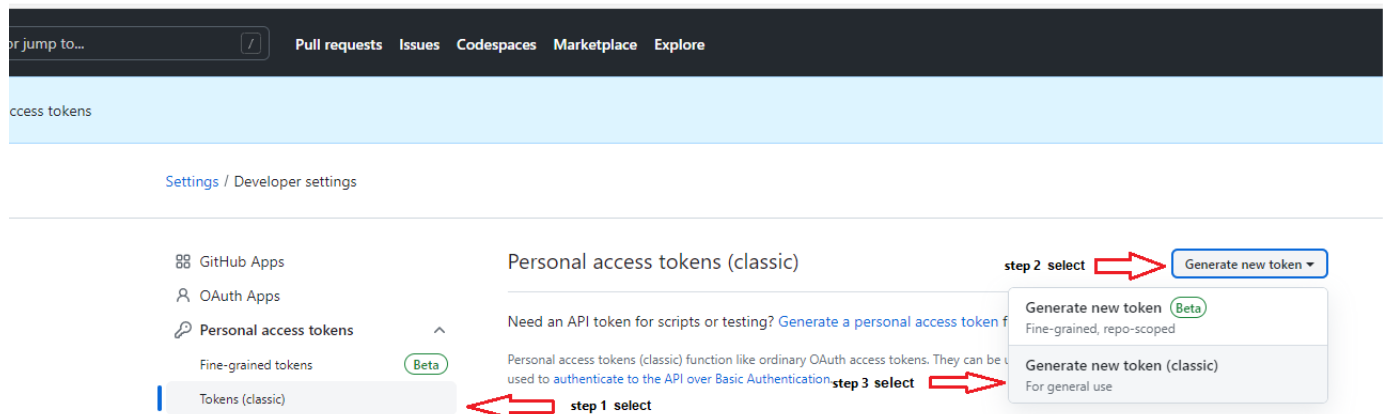
The screenshot shows the GitHub homepage. On the right side, the user menu is open, displaying options like 'Signed in as username', 'Set status', 'Your profile', 'Your repositories', 'Your projects', 'Your stars', 'Your gists', 'Your sponsors', 'Upgrade', 'Try Enterprise', 'Feature preview', 'Help', 'Settings', and 'Sign out'. A red arrow points to the 'Settings' option. The background shows the main GitHub interface with sections for 'Create your first project', 'Start writing code', 'Introduce yourself with a profile README', and 'Latest changes'.

## 2. Select Developer Settings



## 3. Select token (classic)

<https://github.com/settings/tokens>



## 4. Select scope admin:scope

**New personal access token (classic)**

Personal access tokens (classic) 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**

What's this token for?

**Expiration**

30 days The token will expire on Sun, Jun 25 2023

**Select scopes**

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

<input 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"/> manage_runners:org	Manage org runners and runner groups
<input type="checkbox"/> write:gpg_key	Write public user GPG keys
<input type="checkbox"/> read:gpg_key	Read public user GPG keys
<input type="checkbox"/> admin:ssh_signing_key	Full control of public user SSH signing keys
<input type="checkbox"/> write:ssh_signing_key	Write public user SSH signing keys
<input type="checkbox"/> read:ssh_signing_key	Read public user SSH signing keys

**Generate token** **Cancel**

## Collect GitHub logs via API

1. Personal Access Token - the GitHub Personal Access Token. Requires the 'admin:org' scope
2. Organization Name - The GitHub organization name/ID

## GHAS Code Scanning

1. Personal Access Token - the GitHub Personal Access Token. Requires the 'public\_repo' scope for public repositories and 'security\_events' scope for private repositories. \nSee [List code scanning alerts for a repository](#)
2. Repository owner - The owner of GitHub Repository. If repository belongs to an organization, owner is name of the organization

## GHAS Dependabot

1. Personal Access Token - The GitHub Personal Access Token. \nSee [Authenticating with GraphQL](#)

2. Repository owner - The owner of GitHub Repository

## Github Issues

1. Personal Access Token - the GitHub Personal Access Token.

2. Repository owner - The owner of GitHub Repository. If repository belongs to an organization, owner is name of the organization.

## GHAS Secret Scanning

1. Personal Access Token - the GitHub Personal Access Token. Requires admin access to the repository or organization owning the repository along with a personal access token with 'public\_repo' scope for public repositories and repo or security\_events scope for private repositories.  
See List secret scanning alerts for a repository

2. Repository owner - The owner of GitHub Repository

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Revision #3

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