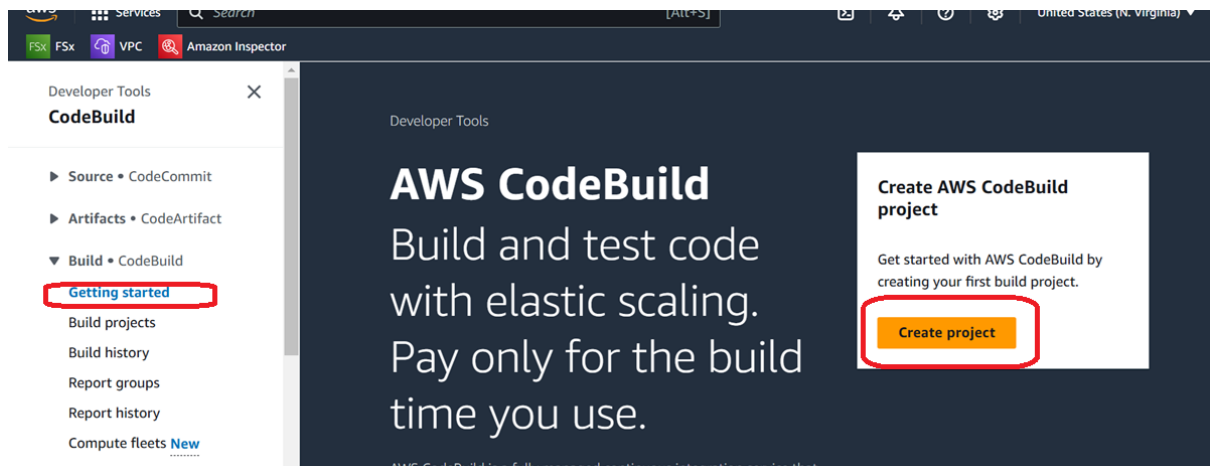
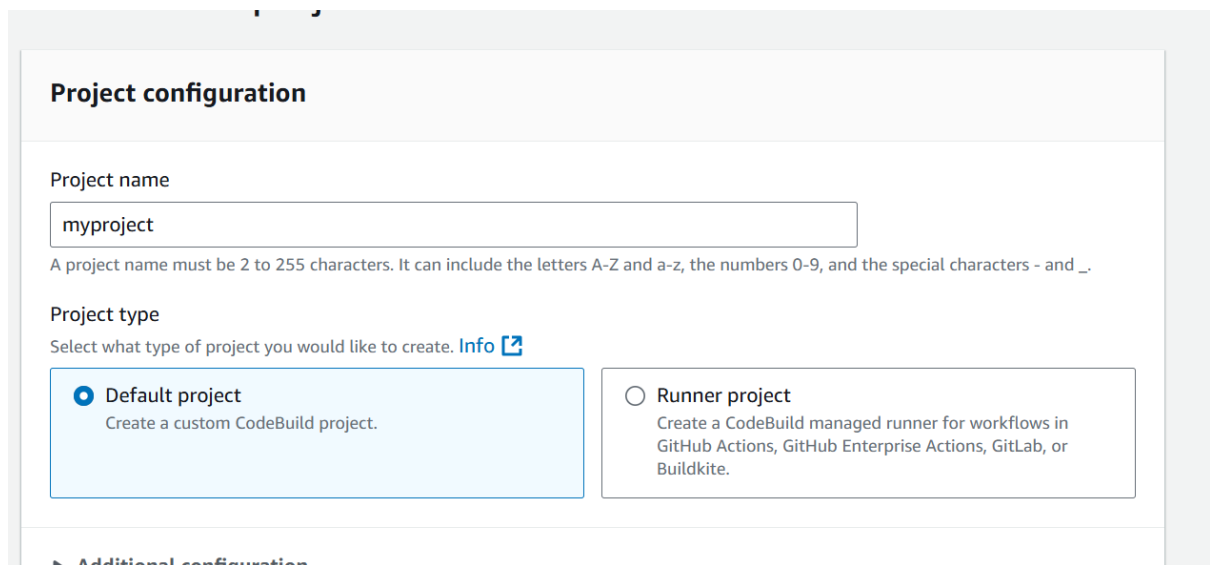


Lab: AWS Code Build

- 1) Go to aws console, search for code build



- 2) Click on Create Project

A screenshot of the 'Project configuration' page in the AWS CodeBuild console. The page has a light gray background. At the top, the title 'Project configuration' is in bold. Below it, there's a 'Project name' section with a text input field containing 'myproject'. A note below the input field states: 'A project name must be 2 to 255 characters. It can include the letters A-Z and a-z, the numbers 0-9, and the special characters - and _.' The next section is 'Project type', with the instruction 'Select what type of project you would like to create. Info [link icon]'. There are two radio button options: 'Default project' (selected) and 'Runner project'. The 'Default project' option has a description: 'Create a custom CodeBuild project.' The 'Runner project' option has a description: 'Create a CodeBuild managed runner for workflows in GitHub Actions, GitHub Enterprise Actions, GitLab, or Buildkite.' At the bottom, there's a section for 'Additional configuration' which is currently collapsed.

- 3) Add source

▼ Source

Add source

Source 1 - Primary

Source provider

GitHub

Credential

⊗ You have not connected to GitHub. [Manage account credentials.](#)

4) Click Manage account Credentials

Credential type

☐ GitHub App
Connect project to GitHub using an AWS managed GitHub App

☒ Personal access token
Connect project to GitHub using a personal access token

☐ OAuth app
Connect project to GitHub using an OAuth app

Service

☒ Secrets Manager (recommended)
Use Secrets Manager to store token

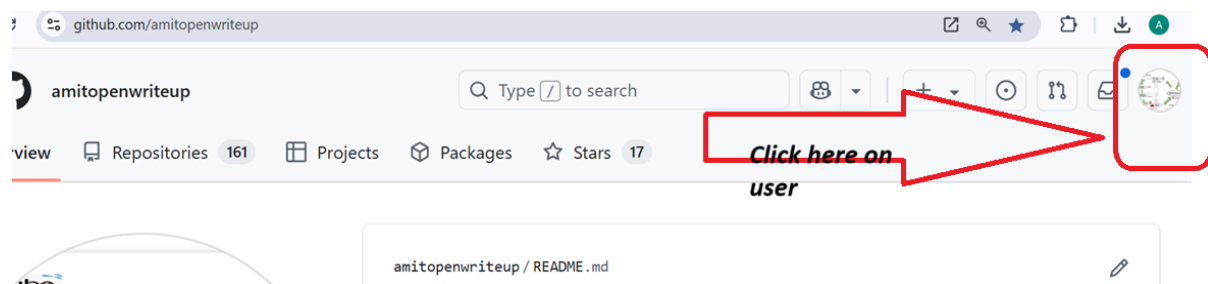
☐ CodeBuild
Use CodeBuild managed token

Secrets

☐ Existing secret
Choose an existing secret from your account

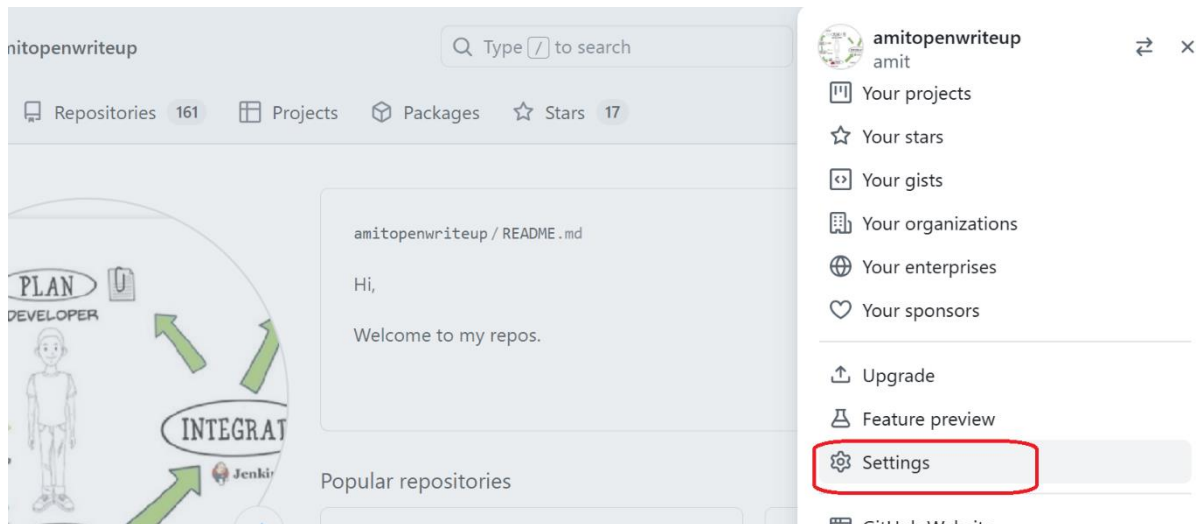
☒ New secret
Create a secret in your account

5) Go to github and get personal access token

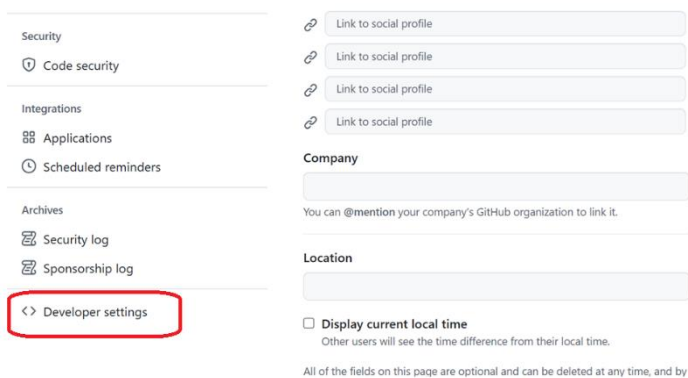


6) Click on Settings

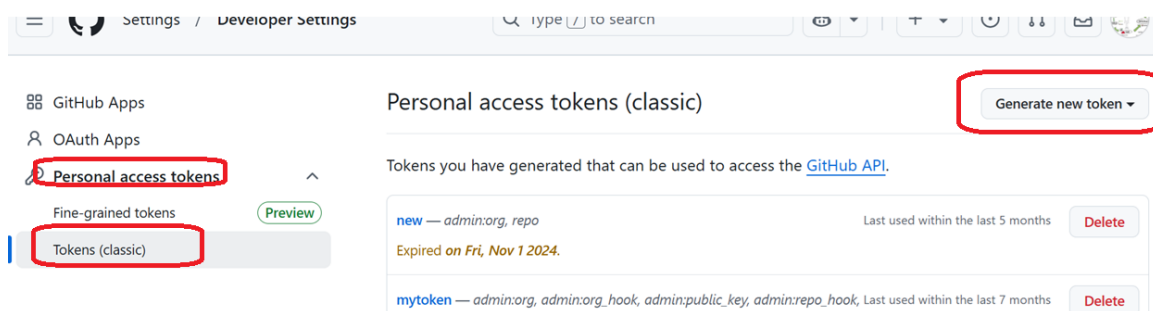
[My website](#) | [youtube](#) | [udemy](#)



7) Click on developer settings



Go to personal access token



al access tokens (classic)

Generate new token ▾

u have generated that can be used to access the

lmin:org, repo

1 Fri, Nov 1 2024.

Generate new token Beta

Fine-grained, repo-scoped

Generate new token (classic)

For general use

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

mytest

What's this token for?

Expiration *

30 days ▾

The token will expire on Wed, Mar 12 2025

Select below option

<input type="checkbox"/>	write:public_key	Write user public keys
<input type="checkbox"/>	read:public_key	Read user public keys
<input checked="" type="checkbox"/>	admin:repo_hook	Full control of repository hooks
<input checked="" type="checkbox"/>	write:repo_hook	Write repository hooks
<input checked="" type="checkbox"/>	read:repo_hook	Read repository hooks
<input type="checkbox"/>	admin:org_hook	Full control of organization hooks

Copy the token


selected are included in other scopes. Only the minimum set of necessary scopes for

Personal access tokens (classic)

ns

Preview

Tokens you have generated that can be used to access the

 Make sure to copy your personal access token now

Go to aws manage credentials page and add

Service

☒ **Secrets Manager (recommended)**
Use Secrets Manager to store token

☐ **CodeBuild**
Use CodeBuild managed token

Secrets

☐ **Existing secret**
Choose an existing secret from your account

☒ **New secret**
Create a secret in your account

Secret name

mysecret

Secret description - optional

GitHub personal access token

Now Code build → Create project and map to github

▼ Source

Add source

Source 1 - Primary

Source provider

GitHub

Credential

☒ Your account is successfully connected through Secrets Manager secret. [Manage account credentials.](#)

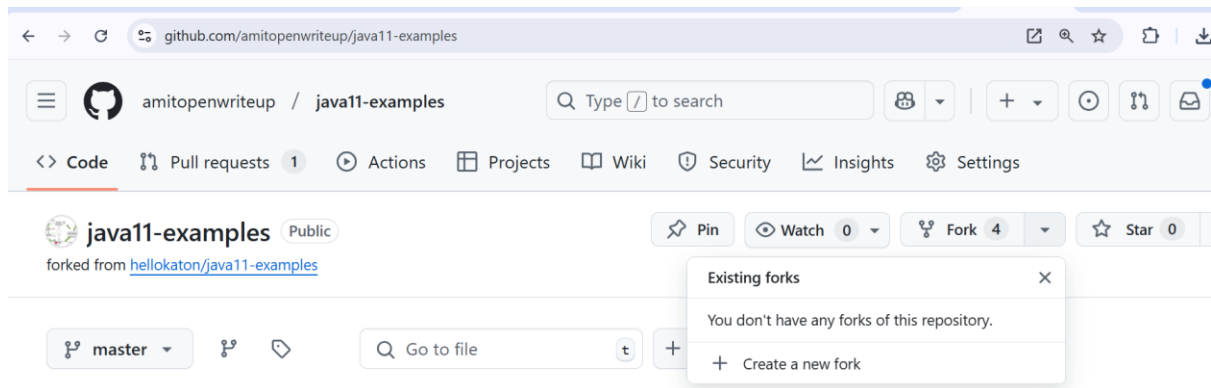
☐ Use override credentials for this project only

[My website](#) | [youtube](#) | [udemy](#)

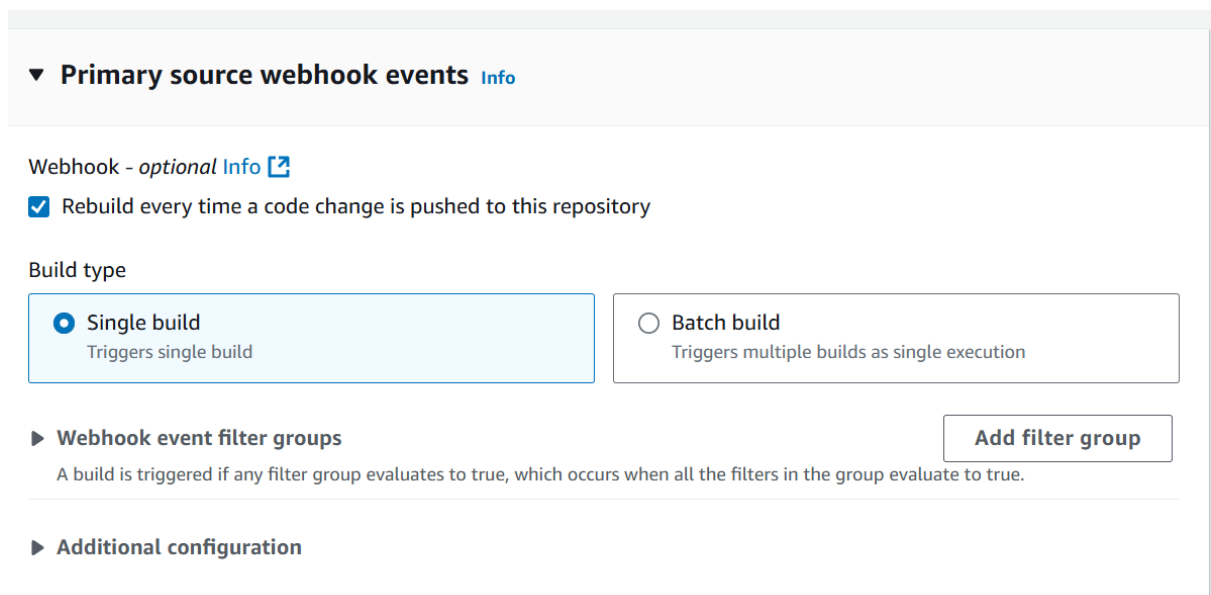
Fork below project in your github

<https://github.com/amitopenwriteup/java11-examples.git>

Open Url and fork it



Single build



Provisioning model [Info](#)

☒ On-demand
Automatically provision build infrastructure in response to new builds.

☐ Reserved capacity
Use a dedicated fleet of instances for builds. A fleet's compute and environment type will be used for the project.

Environment image

☒ Managed image
Use an image managed by AWS CodeBuild

☐ Custom image
Specify a Docker image

Compute

☒ EC2
Optimized for flexibility during action runs

☐ Lambda
Optimized for speed and minimizes the start up time of workflow actions

Operating system

Amazon Linux

Role name

codebuild-myproject-service-role

Type your service role name

► Additional configuration
Timeout, privileged, certificate, VPC, compute type, environment variables, file systems, auto-retry, registry credential

▼ Buildspec

Build specifications

☒ Insert build commands
Store build commands as build project configuration

☐ Use a buildspec file
Store build commands in a YAML-formatted buildspec file

▼ Buildspec

Build specifications

☒ Insert build commands
Store build commands as build project configuration

☐ Use a buildspec file
Store build commands in a YAML-formatted buildspec file

Build commands

Enter commands you want to run during the build phase. Separate each build command with "&&." For example, "mvn test && mvn package." Use a buildspec file to run commands in other phases or if you have a long list of commands.

mvn test && mvn package

Switch to editor

mvn test && mvn package

Click on Create Build project

Checking this option will upload build output logs to CloudWatch.

Group name - optional

The group name of the logs in CloudWatch Logs. The log group name will be /aws/codebuild/<project-name> by default.

Stream name prefix - optional

The prefix of the stream name of the CloudWatch Logs.

S3

☐ **S3 logs - optional**

Checking this option will upload build output logs to S3.

Cancel **Create build project**

Click on start build

[Developer Tools](#) > [CodeBuild](#) > [Build projects](#) > myproject

myproject

Actions ▼ **Create trigger** **Edit** **Clone** **Debug build** **Start build with overrides**

Start build

Configuration

Source provider	Primary repository	Artifacts upload location	Service role
-----------------	--------------------	---------------------------	--------------

Check the logs

Developer Tools
CodeBuild
Source • CodeCommit
Artifacts • CodeArtifact
Build • CodeBuild
Getting started
Build projects
Build history
Report groups
Report history
Compute fleets New
Account metrics
Related integrations
jenkins

Developer Tools > CodeBuild > Build history

Build history
Batch history

Build history
Refresh
Stop build
View artifacts
View logs
Delete builds
Retry build

< 1 >
Settings

<input type="checkbox"/>	Build run	Status	Project	Build number	Source version	Submitter	Duration
<input type="checkbox"/>	myproject:e630115f-b9bb-3acf333eb85d	✓ Succeeded	myproject	1	-	root	28 sec