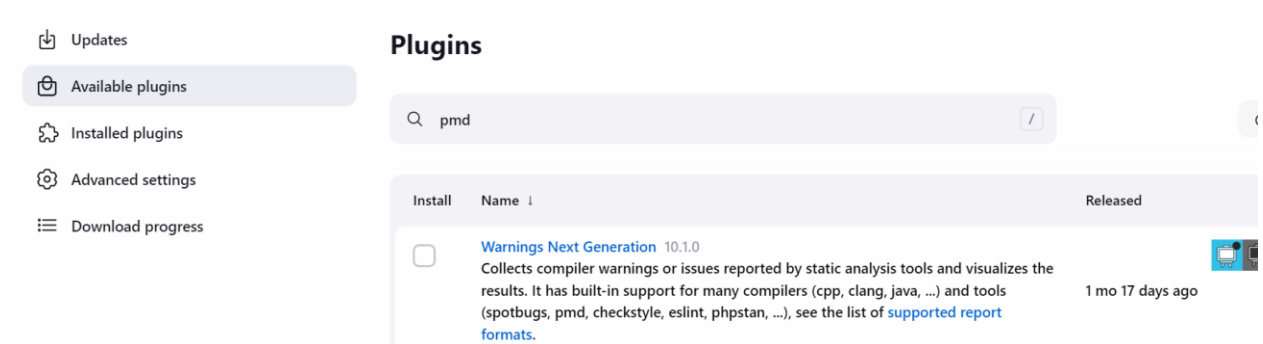


Scripted pipeline

- 1) Create a job with code compile and target as compile
- 2) Create second job with target as test
- 3) Create third job of QA with target as pmd:pmd

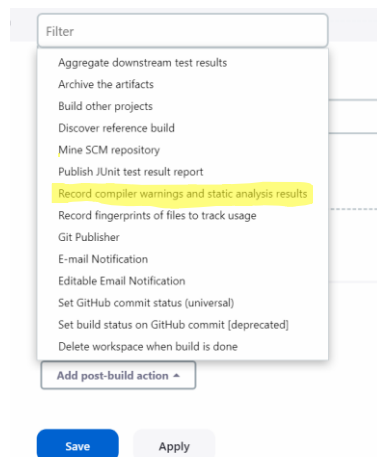
We need also to install a plugin which generates the site report

So we go to manage Jenkins -> plugins -> available plugins -> search for pmd



Install without restart

Go back your qa job -> configure -> post build action -> select the



Select pmd and save

Now build the job

- 4) Now we will create package job with goal as package

Build it

NOW WE HAVE 4 ITEMS ...but we need to connect them ? which means we have to define that after job 1 -> job 2 -> job3 -> job 4

We will use linked projects

Go to testing job -> configure -> build after other projects are build -> select your first project
Save

☒ Build after other projects are built ?

Projects to watch

codebuild-job1,

☒ Trigger only if build is stable

☐ Trigger even if the build is unstable

☐ Trigger even if the build fails

☐ Always trigger, even if the build is aborted

Similarly you can go to qa and define that after testing is done qa need to be done
And at the last do the same for package...that after qa is done package need to be build



If there is some update in github repo will it sense that update? How it does it?

We can use webhooks , poll scm or Scheduled project(in schedule it will check the project at a scheduled time)

We will here use poll scm

Go to the first job

Configure

☒ Poll SCM ?

Schedule ?



This poll scm is defined via cron jobs

e.g cron job: if I want my Jenkins to check github for update every Saturday at 6:00 pm . Can you create a cron job expression for me ?

0 18 * * 6

☒ Poll SCM ?

Schedule ?

* * * * *

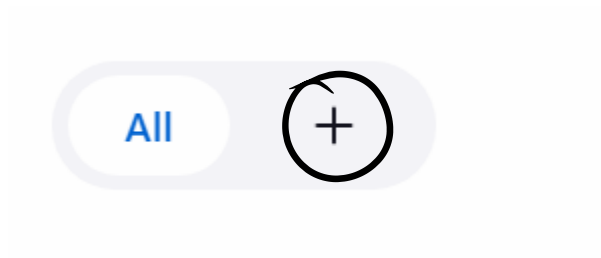
Go to your github repo and update readme.md file in your repo

We have job in sequential order arranged in pipeline format but we need to give it a view so that it should look like pipeline

Go to manage Jenkins -> install plugins

Install	Name ↓	Released
<input checked="" type="checkbox"/>	<div>Build Pipeline 1.5.8</div> <div> <div>User Interface</div> <div>Build Tools</div> <div>Other Post-Build Actions</div> </div> <div> This plugin renders upstream and downstream connected jobs that typically form a build pipeline. In addition, it offers the ability to define manual triggers for jobs that require intervention prior to execution, e.g. an approval process outside of Jenkins. </div> <div>Warning: This plugin version may not be safe to use. Please review the following</div>	5 yr 5 mo ago

Add a new view on dashboard



Give name -> build pipeline

Pipeline Flow

Layout

Based on upstream/downstream relationship

This layout mode derives the pipeline structure based on the upstream/downstream relationship, but is open for extension.

Upstream / downstream config

Select Initial Job ?

codebuild-job1

Select the first job

