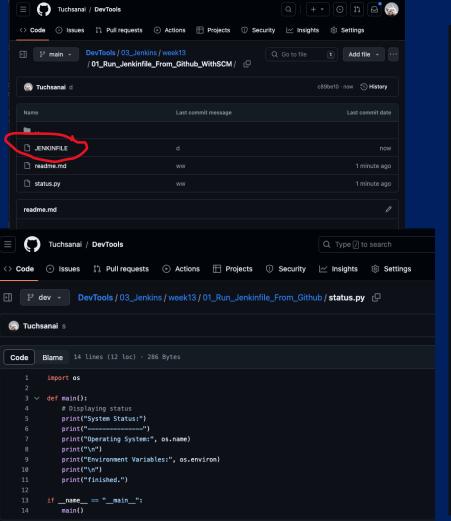
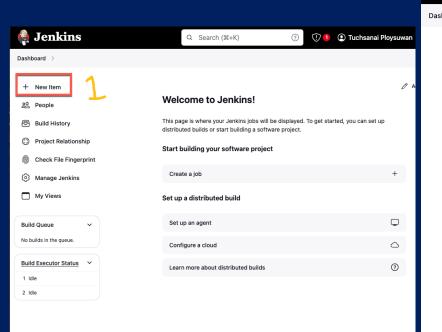


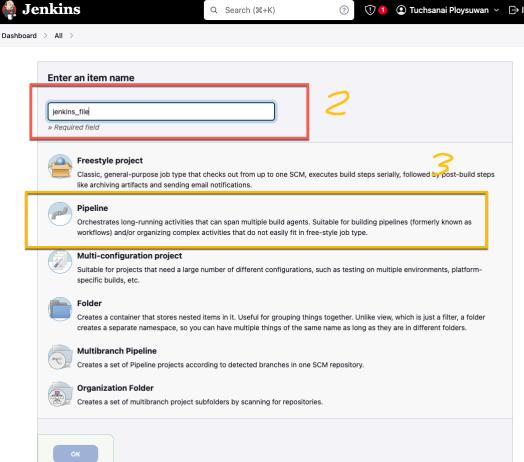
Week 13: SOFTWARE DEVELOPMENT TOOLS AND ENVIRONMENTS

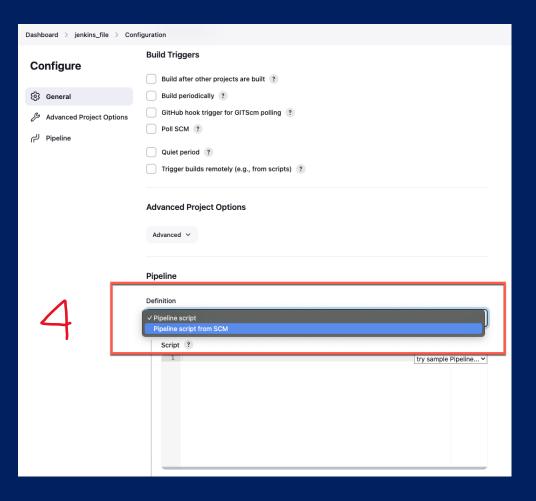
LAB 01: Run Jenkinfile using SCM From Github

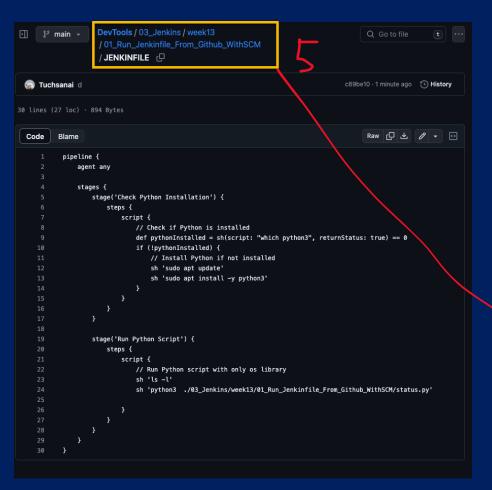


```
្ង main 🕶
                    DevTools / 03_Jenkins / week13
                                                                                    Q Go to file
                    / 01_Run_Jenkinfile_From_Github
                     / JENKINFILE 📮
 Tuchsanai aa
                                                                              65dd21b · 6 minutes ago ( History
29 lines (27 loc) · 814 Bytes
                                                                                    Raw [□ 🕹 🕖 🕶
          Blame
  Code
           pipeline {
               agent any
               stages {
                   stage('Check Python Installation') {
                       steps {
                           script {
                              // Check if Python is installed
                              def pythonInstalled = sh(script: "which python3", returnStatus: true) == 0
                              if (!pythonInstalled) {
                                  // Install Python if not installed
                                  sh 'sudo apt update'
                                  sh 'sudo apt install -y python3'
                  stage('Run Python Script') {
                       steps {
                           script {
                              // Run Python script with only os library
                              sh 'python3 status.py'
                              sh 'ls -l'
```

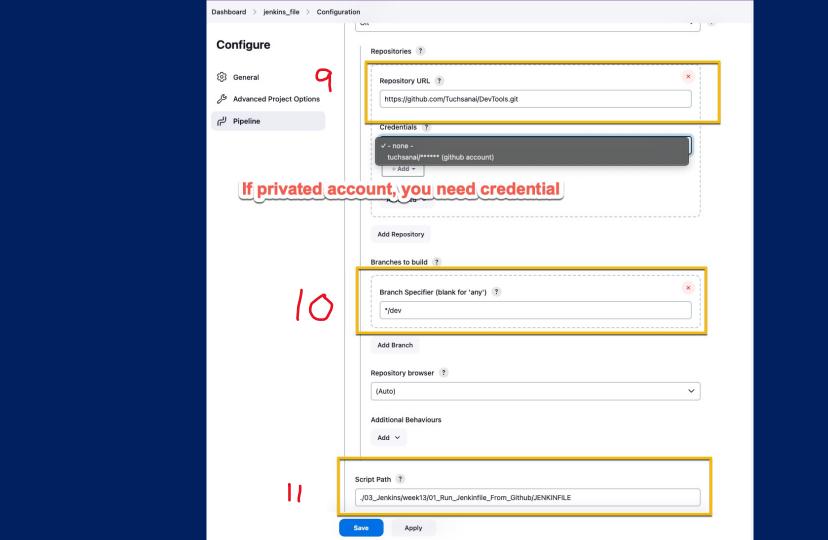


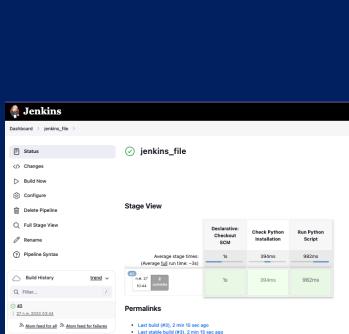






Dashboard > jenkins_file > Configuration	
	bullu 11199c13
Configure	Build after other projects are built ?
	Build periodically ?
General	GitHub hook trigger for GITScm polling ?
Advanced Project Options	Poll SCM ?
른 Pipeline	
(C Elbellile	Quiet period ?
	Trigger builds remotely (e.g., from scripts) ?
	Advanced Project Options
	Advanced ~
	Pipeline
	Definition
	Pipeline script from SCM
	SCM ?
	✓ None
	Git
	Script Path ?
	./03_Jenkins/week13/01_Run_Jenkinfile_From_Github/JENKINFILE
·	Lightweight checkout (?)
	Pipeline Syntax
	Save Apply





. Last successful build (#3), 2 min 15 sec ago

· Last completed build (#3), 2 min 15 sec ago

Dashboard > jenkins_file > #3

F Status

</>
Changes

Console Output

Yiew as plain text

M Edit Build Information

T Delete build '#3'

Restart from Stage

Git Build Data

Pipeline Steps

── Workspaces

← Previous Build

A Replay

Console Output Started by user Tuchsanai Ploysuwan Obtained ./03_Jenkins/week13/01_Run_Jenkinfile_From_Github/JENKINFILE from git https://github.com/Tuchsanai/DevTools.git [Pipeline] Start of Pipeline [Pipeline] node Running on Jenkins in /var/lib/jenkins/workspace/jenkins_file [Pipeline] { [Pipeline] stage [Pipeline] { (Declarative: Checkout SCM) [Pipeline] checkout The recommended git tool is: git using credential id_github > git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/jenkins_file/.git # timeout=10 Fetching changes from the remote Git repository > git config remote.origin.url https://github.com/Tuchsanai/DevTools.git # timeout=10 Fetching upstream changes from https://github.com/Tuchsanai/DevTools.git > git --version # timeout=10 > git --version # 'git version 2.34.1' using GIT_ASKPASS to set credentials github account > git fetch --tags --force --progress -- https://github.com/Tuchsanai/DevTools.git +refs/heads/*:refs/remotes/origin/* # timeout=10 > git rev-parse refs/remotes/origin/dev^{commit} # timeout=10 Checking out Revision adc46fceb6618509afeccd13dd26c1406fd5dbf3 (refs/remotes/origin/dev) > git config core.sparsecheckout # timeout=10 > git checkout -f adc46fceb6618509afeccd13dd26c1406fd5dbf3 # timeout=10 Commit message: "delete files" > git rev-list --no-walk 32de38e68ab198bf44721d9a241c74dc5f92a427 # timeout=10 [Pipeline] } [Pipeline] // stage [Pipeline] withEnv [Pipeline] { [Pipeline] stage [Pipeline] { (Check Python Installation) [Pipeline] script [Pipeline] { [Pipeline] sh + which python3 /usr/bin/python3 [Pipeline] } [Pipeline] // script [Pipeline] } [Pipeline] // stage [Pipeline] stage [Pipeline] { (Run Python Script) [Pipeline] script [Pipeline] { [Pipeline] sh + pwd /var/lib/jenkins/workspace/jenkins_file [Pipeline] sh + pvthon3 ./03 Jenkins/week13/01 Run Jenkinfile From Github/status.pv System Status: Operating System: posix Environment Variables: environ({'JENKINS_HOME': '/var/lib/jenkins', 'USER': 'jenkins', 'CI': 'true', 'RUN_CHANGES_DISPLAY_URL': 'http://54.251.188.144:8880/job/jenkins_file/3/display/redirect?page=changes', 'NODE_LABELS': 'built-in', 'HUDSON_URL': 'http://54.251.188.144:8880/', 'GIT_COMMIT': 'adc46fceb6618509afeccd13dd26c1406fd5dbf3', 'HONE': '/var/lib/jenkins', 'BUILD_URL': 'http://54.251.180.144:8080/job/jenkins_file/3/', 'HUDSON_COOKIE': '49a06cf3-5d30-418d-b9f6b4626631d20a', 'JENKINS SERVER COOKIE': 'durable-d51f3f7cf430a25df33cbb3c9f7893b2c452d20ea1b32523e4a26025dc82651f', 'NOTIFY SOCKET': '/run/systemd/notify', 'SYSTEMD EXEC PID': '8226', 'WORKSPACE': '/var/lib/jenkins/workspace/jenkins_file', 'LOGNAME': 'jenkins', 'NODE_NAME': 'built-in', 'JOURNAL_STREAM': '8:46337', 'RUN_ARTIFACTS_DISPLAY_URL': 'http://54.251.180.144:8080/job/jenkins_file/3/display/redirect?page=artifacts', 'STAGE_NAME': 'Run Python Script', 'EXECUTOR_NUMBER': '0', 'GIT_BRANCH': 'origin/dev', 'RUN_TESTS_DISPLAY_URL': 'http://54.251.180.144:8080/job/jenkins_file/3/display/redirect?page=tests', 'BUILD_DISPLAY_NAME': 'w3', 'HUDSON_HOME': '/var/lib/jenkins', 'JOB_BASE_NAME': 'jenkins_file', 'PATH': '/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/snap/bin', 'INVOCATION_ID': '3dd1b667c6f244@d98512e@c5fa349ed', 'BUILD_ID': '3', 'BUILD_TAG': 'jenkins-jenkins_file-3', 'LANG': 'C.UTF-8', 'JENKINS_URL': 'http://54.251.180.144:8080/', 'JOB_URL': 'http://54.251.180.144:8080/job/jenkins_file/', 'GIT_URL': 'https://github.com/Tuchsanai/DevTools.git', 'BUILD_NUMBER': '3', 'JENKINS_NODE_COOKIE': '9b609257-aaae-4d4c-ae44-6773be581705', 'SHELL': '/bin/bash', 'RUN_DISPLAY_URL': 'http://54.251.180.144:8080/job/jenkins_file/3/display/redirect', 'HUDSON_SERVER_COOKIE': '25d1a75683dc7e3e', 'JOB_DISPLAY_URL': 'http://54.251.180.144:8080/job/jenkins_file/display/redirect', 'JOB_NAME': 'jenkins_file', 'PWD': '/var/lib/jenkins/workspace/jenkins_file', 'GIT_PREVIOUS_COMMIT': '32de38e68ab198bf44721d9a241c74dc5f92a427', 'WORKSPACE_TMP': '/var/lib/jenkins/workspace/jenkins_file@tmp'}) finished

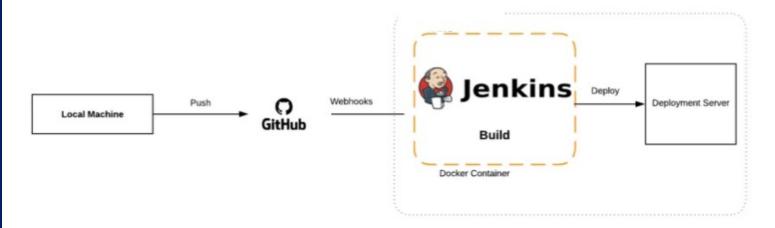
LAB 02: Run Jenkinfile without SCM From Github











Delivery (CD).











