

Week 13 : SOFTWARE DEVELOPMENT TOOLS AND ENVIRONMENTS

LAB 01 : Run Jenkinfile using SCM From Github

In Jenkins, "SCM" stands for Source Code Management. SCM in Jenkins refers to the process of managing and integrating source code from version control systems into Jenkins projects.

Tuchsanai / DevTools

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main DevTools / 03_Jenkins / week13 / 01_Run_Jenkinsfile_From_Github_WithSCM /

Tuchsanai d c89be10 · now History

Name	Last commit message	Last commit date
JENKINFILE	d	now
readme.md	ww	1 minute ago
status.py	ww	1 minute ago

readme.md

Tuchsanai / DevTools

Type to search

<> Code Issues Pull requests Actions Projects Security Insights Settings

dev DevTools / 03_Jenkins / week13 / 01_Run_Jenkinsfile_From_Github / status.py

Tuchsanai s

Code Blame 14 lines (12 loc) · 286 Bytes

```
1 import os
2
3 def main():
4     # Displaying status
5     print("System Status:")
6     print("-----")
7     print("Operating System:", os.name)
8     print("\n")
9     print("Environment Variables:", os.environ)
10    print("\n")
11    print("finished.")
12
13 if __name__ == "__main__":
14    main()
```


main DevTools / 03_Jenkins / week13 / 01_Run_Jenkinsfile_From_Github / JENKINFILE

Tuchsanai aa 65dd21b · 6 minutes ago History

29 lines (27 loc) · 814 Bytes

Code Blame Raw Download Edit

```
1 pipeline {
2     agent any
3
4     stages {
5         stage('Check Python Installation') {
6             steps {
7                 script {
8                     // Check if Python is installed
9                     def pythonInstalled = sh(script: "which python3", returnStatus: true) == 0
10                    if (!pythonInstalled) {
11                        // Install Python if not installed
12                        sh 'sudo apt update'
13                        sh 'sudo apt install -y python3'
14                    }
15                }
16            }
17        }
18
19        stage('Run Python Script') {
20            steps {
21                script {
22                    // Run Python script with only os library
23                    sh 'python3 status.py'
24                    sh 'ls -l'
25                }
26            }
27        }
28    }
29 }
```

 **Jenkins**

Search (⌘+K) ?

Tuchsanai Ploysuwan

Dashboard >

+ New Item

1

People

Build History

Project Relationship

Check File Fingerprint

Manage Jenkins

My Views

Build Queue

No builds in the queue.

Build Executor Status

1 Idle

2 Idle

Welcome to Jenkins!

This page is where your Jenkins jobs will be displayed. To get started, you can set up distributed builds or start building a software project.

Start building your software project


Create a job +

Set up a distributed build

Set up an agent

Configure a cloud

Learn more about distributed builds

 **Jenkins**

Search (⌘+K) ?

Tuchsanai Ploysuwan


Dashboard > All >

Enter an item name

jenkins_file


» Required field

2


 **Freestyle project**

Classic, general-purpose job type that checks out from up to one SCM, executes build steps serially, followed by post-build steps like archiving artifacts and sending email notifications.


3

 **Pipeline**


Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.

 **Multi-configuration project**


Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.

 **Folder**

Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.

 **Multibranch Pipeline**

Creates a set of Pipeline projects according to detected branches in one SCM repository.

 **Organization Folder**

Creates a set of multibranch project subfolders by scanning for repositories.

OK

Configure

General

Advanced Project Options

Pipeline

Build Triggers

- ☐ Build after other projects are built ?
- ☐ Build periodically ?
- ☐ GitHub hook trigger for GITScm polling ?
- ☐ Poll SCM ?
- ☐ Quiet period ?
- ☐ Trigger builds remotely (e.g., from scripts) ?

Advanced Project Options

Advanced ▾

Pipeline

Definition

- ✓ Pipeline script
- Pipeline script from SCM

Script ?

1

try sample Pipeline... ▾

4

main

DevTools / 03_Jenkins / week13
/ 01_Run_Jenkinsfile_From_Github_WithSCM
/ JENKINFILE

Go to file

Tuchsanai d

c89be10 · 1 minute ago

History

30 lines (27 loc) · 894 Bytes

Code

Blame

Raw

Download

Edit

More

```
1 pipeline {
2   agent any
3
4   stages {
5     stage('Check Python Installation') {
6       steps {
7         script {
8           // Check if Python is installed
9           def pythonInstalled = sh(script: "which python3", returnStatus: true) == 0
10          if (!pythonInstalled) {
11            // Install Python if not installed
12            sh 'sudo apt update'
13            sh 'sudo apt install -y python3'
14          }
15        }
16      }
17    }
18
19    stage('Run Python Script') {
20      steps {
21        script {
22          // Run Python script with only os library
23          sh 'ls -l'
24          sh 'python3 ../03_Jenkins/week13/01_Run_Jenkinsfile_From_Github_WithSCM/status.py'
25        }
26      }
27    }
28  }
29 }
30 }
```

Configure

General

Advanced Project Options

Pipeline

☐ Throttle builds ?

Build Triggers

☐ Build after other projects are built ?

☐ Build periodically ?

☐ GitHub hook trigger for GITScm polling ?

☐ Poll SCM ?

☐ Quiet period ?

☐ Trigger builds remotely (e.g., from scripts) ?

Advanced

Definition

Pipeline script from SCM

SCM ?

None

Git

Script Path ?

./03_Jenkins/week13/01_Run_Jenkinsfile_From_Github_WithSCM/JENKINFILE

☒ Lightweight checkout ?[Pipeline Syntax](#)

Save

Apply

Repositories ?

Repository URL ?

https://github.com/Tuchsanai/DevTools.git

Credentials ?

tuchsanai/***** (github account)

+ Add ▾

Advanced ▾

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?

*/dev

Add Branch

Repository browser ?

(Auto)

Additional Behaviours

Add ▾

Script Path ?

./03_Jenkins/week13/01_Run_Jenkinsfile_From_Github_WithSCM/JENKINFILE

Save

Apply

Jenkins

Dashboard

>

jenkins_file

>

Status

Changes

Build Now

Configure

Delete Pipeline

Full Stage View

Rename

Pipeline Syntax

Build History

trend

Filter...

#3

27 s.w. 2024-03-44

Atom feed for all

Atom feed for failures

jenkins_file

Stage View

Average stage times:
(Average full run time: ~3s)

	Declarative: Checkout SCM	Check Python Installation	Run Python Script
	1s	394ms	982ms
	1s	394ms	982ms

Permalinks

- Last build (#3), 2 min 15 sec ago
- Last stable build (#3), 2 min 15 sec ago
- Last successful build (#3), 2 min 15 sec ago
- Last completed build (#3), 2 min 15 sec ago

Dashboard > jenkins_file > #3

Status

Changes

Console Output

View as plain text

Edit Build Information

Delete build '#3'

Git Build Data

Restart from Stage

Replay

Pipeline Steps

Workspaces

Previous Build

Console Output

Started by user Tuchsana1 Playsuwan

Obtained ./#3_Jenkins/week13/01_Run_Jenkinsfile_From_Github/JENKINFILE from git <https://github.com/Tuchsana1/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/Tuchsana1/DevTools.git> # timeout=10

Fetching upstream changes from <https://github.com/Tuchsana1/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/Tuchsana1/DevTools.git> +refs/heads/*:refs/remotes/origin/* # timeout=10

> git rev-parse refs/remotes/origin/dev^{commit} # timeout=10

Checking out Revision adc46fceb6618509afeccd13d26c1406fd5dbf3 (refs/remotes/origin/dev)

> git config core.sparsecheckout # timeout=10

> git checkout -f adc46fceb6618509afeccd13d26c1406fd5dbf3 # 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] sh

+ which python3

/usr/bin/python3

[Pipeline] }

[Pipeline] // script

[Pipeline] }

[Pipeline] // stage

[Pipeline] { (Run Python Script)

[Pipeline] script

[Pipeline] sh

+ pwd

/var/lib/jenkins/workspace/jenkins_file

[Pipeline] sh

+ python3 ./#3_Jenkins/week13/01_Run_Jenkinsfile_From_Github/status.py


System Status:




Operating System: posix

Environment Variables: environ({'JENKINS_HOME': '/var/lib/jenkins', 'USER': 'jenkins', 'CI': 'true', 'RUN_CHANGES_DISPLAY_URL': 'http://54.251.188.144:8080/job/jenkins_file/3/display/redirect?page=changes', 'NODE_LABELS': 'built-in', 'HUDSON_URL': 'http://54.251.188.144:8080', 'GIT_COMMIT': 'adc46fceb6618509afeccd13d26c1406fd5dbf3', 'HOME': '/var/lib/jenkins', 'BUILD_URL': 'http://54.251.188.144:8080/job/jenkins_file/3/', 'HUDSON_COOKIE': '49a06cf3-5d30-418d-b9f6-b4626631d20a', 'JENKINS_SERVER_COOKIE': 'durable-d51f37cf430a25df33cb3c9f7893bc2c452d20ea1b32523e4a26025dc82651f', '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://54.251.188.144:8080/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://54.251.188.144:8080/job/jenkins_file/3/display/redirect?page=tests', 'BUILD_DISPLAY_NAME': '93', 'HUDSON_HOME': '/var/lib/jenkins', 'JOB_BASE_NAME': 'jenkins_file', 'PATH': '/usr/local/sbin:/usr/local/bin:/usr/sbin:/bin:/sbin:/snap/bin', 'INVOCATION_ID': '3d61b667cf72448d99532ebcf5a349ed', 'BUILD_ID': '3', 'BUILD_TAG': 'jenkins-jenkins_file-3', 'LANG': 'C.UTF-8', 'JENKINS_URL': 'http://54.251.188.144:8080', 'JOB_URL': 'http://54.251.188.144:8080/job/jenkins_file/', 'GIT_URL': 'https://github.com/Tuchsana1/DevTools.git', 'BUILD_NUMBER': '3', 'JENKINS_NODE_COOKIE': '9b689257-aaae-4dc6-e446-6773be581705', 'SHELL': '/bin/bash', 'RUN_DISPLAY_URL': 'http://54.251.188.144:8080/job/jenkins_file/3/display/redirect', 'HUDSON_SERVER_COOKIE': '25d1a75683dc7e3e', 'JOB_DISPLAY_URL': 'http://54.251.188.144:8080/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_filetmp'})


finished.


LAB 02 : Run Jenkinfile without SCM From Github


 **Jenkins**


Search (⌘+K)    Tuchsana Ploysuwan


Dashboard >


 New Item


 People


 Build History

 Project Relationship


 Check File Fingerprint

 Manage Jenkins

 My Views

Build Queue 

No builds in the queue.

Build Executor Status 


1 Idle

2 Idle


Welcome to Jenkins!


This page is where your Jenkins jobs will be displayed. To get started, you can set up distributed builds or start building a software project.


Start building your software project

Create a job 

Set up a distributed build

Set up an agent 


Configure a cloud 

Learn more about distributed builds 


Enter an item name

No_SCM


» Required field

 **Freestyle project**


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OK

Configure

General

Advanced Project Options

Pipeline

☐ Throttle builds ?

Build Triggers

☐ Build after other projects are built ?☐ Build periodically ?☐ GitHub hook trigger for GITScm polling ?☐ Poll SCM ?☐ Quiet period ?☐ Trigger builds remotely (e.g., from scripts) ?

Advanced Project Options

Advanced ▾

Pipeline

Definition

Pipeline script ▾

```
1 pipeline {
2   agent any
3
4   stages {
5
6     stage('copy repository') {
7       steps {
8         // Copy the repository
9       }
10    }
11
12    stage('Check Python Installation') {
13      steps {
14        script {
15          // Check if Python is installed
16          def pythonInstalled = sh(script: "which python3", returnStatus: true) == 0
17          if (!pythonInstalled) {
18            // Install Python if not installed
19            sh 'sudo apt update'
20            sh 'sudo apt install -y python3'
21          }
22        }
23      }
24    }
25
26    stage('Run Python Script') {
27      steps {
28        script {
29          // Run Python script with only as library
30          sh 'pwd'
31          sh 'python3 ./03_Jenkins/week13/02_Run_Jenkinsfile_From_Github_withoutSCM/status.py'
32
33          sh 'ls -l'
34        }
35      }
36    }
37  }
38}
```

☒ Use Groovy Sandbox ?[Pipeline Syntax](#)

Save

Apply

3

status.py

www

readme.md

Jenkins file with GitHub

- detail in slides

```
pipeline {
  agent any

  stages {
    stage('copy repository') {
      steps {
        // Copy the repository
        checkout scmGit(branches: [[name: '/dev']], extensions: [], userRemoteConfigs: [[credentialsId: 'g
      ]
    }

    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 as library
          sh 'pwd'
          sh 'python3 ./03_Jenkins/week13/02_Run_Jenkinsfile_From_Github_withoutSCM/status.py'

          sh 'ls -l'
        }
      }
    }
  }
}
```

Dashboard > No_SCM > Pipeline Syntax

↑ Back

Snippet Generator

Declarative Directive Generator

Declarative Online Documentation

Steps Reference

Global Variables Reference

Online Documentation

Examples Reference

IntelliJ IDEA GDSL

Overview

This **Snippet Generator** will help you learn the Pipeline Script code which can be used to define various steps. Pick a step you are interested in from the list, configure it, click **Generate Pipeline Script**, and you will see a Pipeline Script statement that would call the step with that configuration. You may copy and paste the whole statement into your script, or pick up just the options you care about. (Most parameters are optional and can be omitted in your script, leaving them at default values.)

Steps

Sample Step

archiveArtifacts: Archive the artifacts

Files to archive ?

Advanced ▾

Generate Pipeline Script

Global Variables

There are many features of the Pipeline that are not steps. These are often exposed via global variables, which are not supported by the snippet generator. See the [Global Variables Reference](#) for details.

↑ Back

Snippet Generator

Declarative Directive Generator

Declarative Online Documentation

Steps Reference

Global Variables Reference

Online Documentation

Examples Reference

IntelliJ IDEA GDSL

Overview

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Steps

Sample Step

- ✓ archiveArtifacts: Archive the artifacts
- bat: Windows Batch Script
- build: Build a job
- catchError: Catch error and set build result to failure
- checkout: Check out from version control
- cleanWs: Delete workspace when build is done
- configFileProvider: Provide Configuration files
- deleteDir: Recursively delete the current directory from the workspace
- dir: Change current directory
- echo: Print Message
- emailxext: Extended Email
- emailxextrecipients: Extended Email Recipients
- error: Error signal
- fileExists: Verify if file exists in workspace
- findBuildScans: Find published build scans
- fingerprint: Record fingerprints of files to track usage
- git: Git
- input: Wait for interactive input
- isUnix: Checks if running on a Unix-like node
- junit: Archive JUnit-formatted test results
- library: Load a library on the fly

checkout ?

SCM

Git

Repositories ?

Repository URL ?

https://github.com/Tuchsanai/DevTools.git

Credentials ?

tuchsanai/*****

+ Add -

Advanced -

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?

*/dev

Add Branch

Repository browser ?

(Auto)

Additional Behaviours

Add -

☒ Include in polling? ?

☒ Include in changelog? ?

Generate Pipeline Script

Push button

checkout ?

SCM

Git

Repositories ?

Repository URL ?

https://github.com/Tuchsanai/DevTools.git

Credentials ?

tuchsanai/*****

+ Add -

Advanced -

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?

*/dev

Add Branch

Repository browser ?

(Auto)

Additional Behaviours

Add -

☒ Include in polling? ?

☒ Include in changelog? ?

Generate Pipeline Script

```
checkout scmGit(branches: [[name: '*/dev']], extensions: [], userRemoteConfigs: [[credentialsId: 'github', url: 'https://github.com/Tuchsanai/DevTools.git']])
```

Configure

General

Advanced Project Options

Pipeline

☐ Preserve stashes from completed builds ?

☐ This project is parameterized ?

☐ Throttle builds ?

Build Triggers

☐ Build after other projects are built ?

☐ Build periodically ?

☐ GitHub hook trigger for GITScm polling ?

☐ Poll SCM ?

☐ Quiet period ?

☐ Trigger builds remotely (e.g., from scripts) ?

Advanced Project Options

Advanced ▾

Pipeline

Definition

Pipeline script ▾

Script ?

```
1 pipeline {
2   agent any
3
4   stages {
5
6     stage('copy repository') {
7       steps {
8
9         // Copy the repository
10        checkout scmGit(branches: [[name: '*/*dev']], extensions: [], userRemoteConfigs: [])
11
12      }
13    }
14  }
15 }
```

Paste

☒ Use Groovy Sandbox ?

Pipeline Syntax

Save

Apply

Console Output

Started by user tp

[Pipeline] Start of Pipeline

[Pipeline] node

Running on Jenkins in /var/lib/jenkins/workspace/No_SCM

[Pipeline] {

[Pipeline] stage

[Pipeline] { (copy repository)

[Pipeline] checkout

The recommended git tool is: NONE

using credential github

> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/No_SCM/.git # timeout=10

Fetching changes from the remote Git repository

> git config remote.origin.url https://github.com/Tuchansai/DevTools.git # timeout=10

Fetching upstream changes from https://github.com/Tuchansai/DevTools.git

> git --version # timeout=10

> git --version # 'git version 2.34.1'

using GIT_ASKPASS to set credentials

> git fetch --tags --force --progress -- https://github.com/Tuchansai/DevTools.git +refs/heads/*:refs/remotes/origin/* # timeout=10

> git rev-parse refs/remotes/origin/dev^{commit} # timeout=10

Checking out Revision 773695d843e3e2f982ebecde9a88461af605 (refs/remotes/origin/dev)

> git config core.sparsecheckout # timeout=10

> git checkout -f 773695d843e3e2f982ebecde9a88461af605 # timeout=10

Commit message: "delete files"

First time build. Skipping changelog.

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Check Python Installation)

[Pipeline] script

[Pipeline] {

[Pipeline] sh

+ which python3

/var/lib/python3

[Pipeline] }

[Pipeline] // script

[Pipeline] }

[Pipeline] // stage

[Pipeline] { (Run Python Script)

[Pipeline] script

[Pipeline] {

[Pipeline] sh

+ pwd

/var/lib/jenkins/workspace/No_SCM

[Pipeline] }

+ python3 ./03_Jenkins/week13/02_Run_Jenkinsfile_From_Github_withoutSCM/status.py

System Status:

Operating System: posix

Environment Variables: environ({'JENKINS_HOME': '/var/lib/jenkins', 'USER': 'jenkins', 'CI': 'true', 'RUN_CHANGES_DISPLAY_URL': 'http://175.41.181.239:8080/', 'MODE_LABELS': 'built-in', 'HUDSON_URL': 'http://175.41.181.239:8080/', 'HOME': '/var/lib/jenkins', 'BUILD_URL': 'http://175.41.181.239:8080/job/No_SCM/2/', 'HUDSON_COOKIE': 'a7658642-e8f8-4763-9815-314baf6139f', 'JENKINS_SERVER_COOKIE': 'durable-586d74ee4c761eccc6b9c3ed728f70e911ca0476f3899a9c02a53e39619', 'NOTIFY_SOCKET': '/run/systemd/notify', 'SYSTEMD_EXEC_PID': '7568', 'WORKSPACE': '/var/lib/jenkins/workspace/No_SCM', 'LOGNAME': 'jenkins', 'NODE_NAME': 'built-in', 'JOURNAL_STREAM': '8:44869', 'RUN_ARTIFACTS_DISPLAY_URL': 'http://175.41.181.239:8080/job/No_SCM/2/display/redirect?page=artifacts', 'STAGE_NAME': 'Run Python Script', 'EXECUTOR_NUMBER': '1', 'RUN_TESTS_DISPLAY_URL': 'http://175.41.181.239:8080/job/No_SCM/2/display/redirect?page=tests', 'BUILD_DISPLAY_NAME': '92', 'HUDSON_HOME': '/var/lib/jenkins', 'JOB_BASE_NAME': 'No_SCM', 'PATH': '/usr/local/sbin:/usr/local/bin:/usr/sbin:/bin:/sbin:/snap/bin', 'INVOCATION_ID': 'aca2f35982ce43aaa80d8f676ec0bae', 'BUILD_ID': '2', 'BUILD_TAG': 'jenkins-No_SCM-2', 'LANG': 'C.UTF-8', 'JENKINS_URL': 'http://175.41.181.239:8080/', 'JOB_URL': 'http://175.41.181.239:8080/job/No_SCM/', 'BUILD_NUMBER': '2', 'JENKINS_NODE_COOKIE': '36180e5d-a913-4788-990d-25497ee17a95', 'SHELL': '/bin/bash', 'RUN_DISPLAY_URL': 'http://175.41.181.239:8080/job/No_SCM/2/display/redirect', 'HUDSON_SERVER_COOKIE': '4d0b2b048492119', 'JOB_DISPLAY_URL': 'http://175.41.181.239:8080/job/No_SCM/display/redirect', 'JOB_NAME': 'No_SCM', 'PWD': '/var/lib/jenkins/workspace/No_SCM', 'WORKSPACE_TMP': '/var/lib/jenkins/workspace/No_SCM/tmp'})

finished.

[Pipeline] sh

+ ls -l

total 28

drwxr-xr-x 6 jenkins jenkins 4096 Feb 28 08:53 00_GIT

drwxr-xr-x 3 jenkins jenkins 4096 Feb 28 08:53 01_Google Cloud

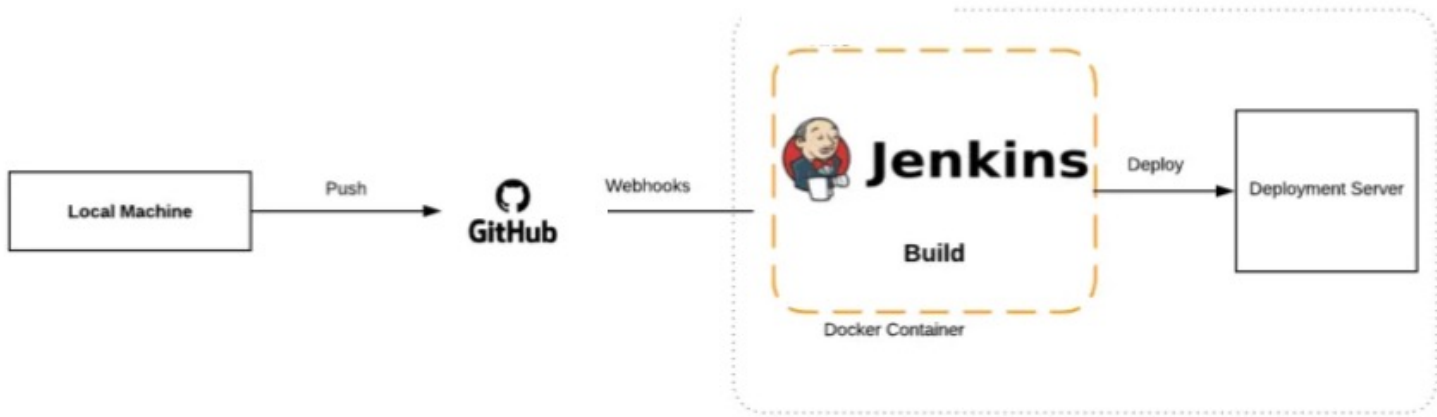
drwxr-xr-x 6 jenkins jenkins 4096 Feb 28 08:53 02_Docker

drwxr-xr-x 4 jenkins jenkins 4096 Feb 28 08:53 03_Jenkins

drwxr-xr-x 4 jenkins jenkins 4096 Feb 28 08:53 04_kubernetes

drwxr-xr-x 2 jenkins jenkins 4096 Feb 28 08:53 Mini_Project

-rw-r--r-- 1 jenkins jenkins 1695 Feb 28 08:53 README.md



Delivery (CD).

Tuchsanai / DevTools

<> Code Issues Pull requests Actions Projects Security Insights Settings

Tuchsanai Public

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main

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Tuchsanai q36a75ee · 6 hours ago🕒 629 Commits

00_GIT	ss	2 weeks ago
01_Google Cloud	ss	2 weeks ago
02_Docker	n	5 days ago
03_Jenkins	q	6 hours ago
04_kubernetes	y	5 days ago
Mini_Project	nn	yesterday
.gitignore	Update .gitignore	6 months ago
README.md	d	3 months ago

Readme

Activity

20 stars

1 watching

4 forks

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

Languages

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Repository name

DevToolsRename

Template repository

Template repositories let users generate new repositories with the same directory structure and files.

Learn more about template repositories.

Require contributors to sign off on web-based commits

Enabling this setting will require contributors to sign off on commits made through GitHub's web interface. Signing off is a way for contributors to affirm that their commit complies with the repository's terms, commonly the Developer Certificate of Origin (DCO). Learn more about signing off on commits.

Default branch

The default branch is considered the "base" branch in your repository, against which all pull requests and code commits are automatically made, unless you specify a different branch.

main

Social preview

Upload an image to customize your repository's social media preview

Tuchsanai / DevTools

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Webhooks allow external services to be notified when certain events happen. When the specified events happen, we'll send a POST request to each of the URLs you provide. Learn more in our [Webhooks Guide](#).

