

WALCHAND INSTITUTE OF
TECHNOLOGY, SOLAPUR
INFORMATION TECHNOLOGY
2021-22 SEMESTER –II

DevOps

Class: Final Year BTech.- IT (Sem-2)

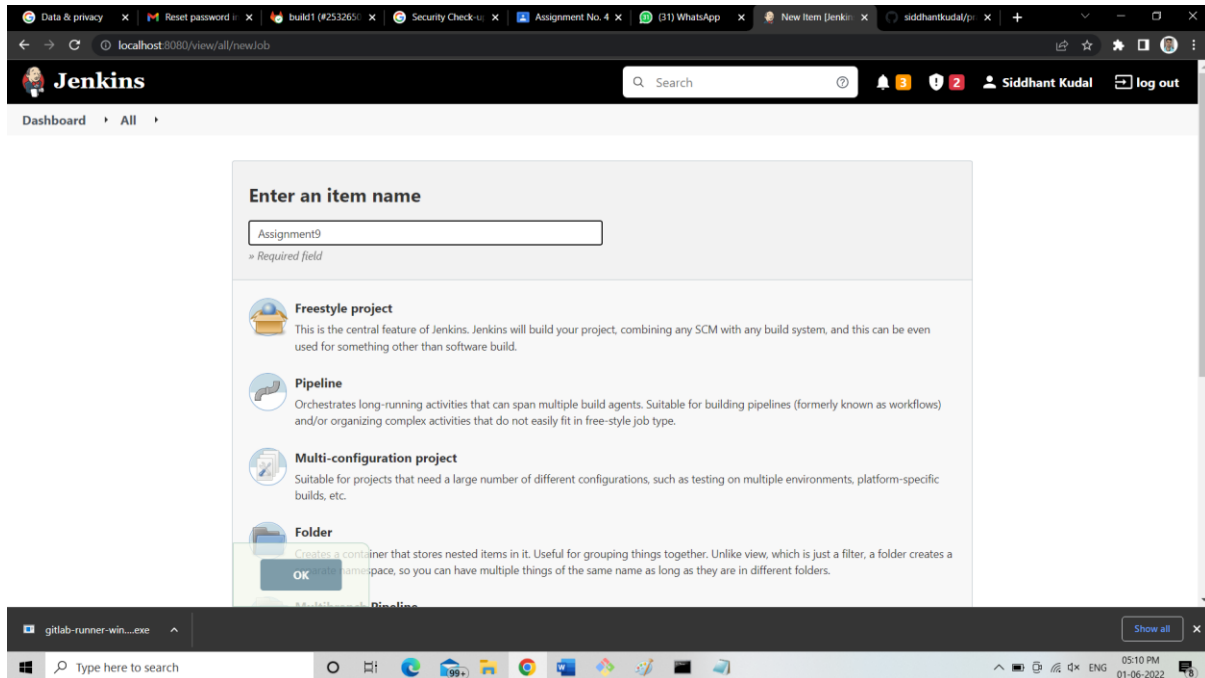
Name: Siddhant Kudal

Roll No: 27

Assignment: 9

Title: Create a Jenkins pipeline to execute any Java Application.

ScreenShot :



localhost:8080/view/all/newJob

Jenkins

Search

Siddhant Kudal log out

Dashboard > All >

Enter an item name

Assignment9

» Required field

Freestyle project

This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.

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 namespace, so you can have multiple things of the same name as long as they are in different folders.

OK

gitlab-runner-win...exe

Show all

Type here to search

05:10 PM 01-06-2022

localhost:8080/job/Assignment9/configure

Dashboard > Assignment9 >

General

Build Triggers

Advanced Project Options

Pipeline

☐ Build periodically ?

☐ GitHub hook trigger for GITScm polling ?

☒ Poll SCM ?

Schedule ?

No schedules so will only run due to SCM changes if triggered by a post-commit hook

☐ Ignore post-commit hooks ?

☐ Disable this project ?

☐ Quiet period ?

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

Advanced Project Options

Advanced...

Pipeline

Definition

Save Apply

Dashboard > Assignment9 > Pipeline

General Build Triggers Advanced Project Options Pipeline

Definition

Pipeline script from SCM

SCM ?

Git

Repositories ?

Repository URL ?

https://github.com/siddhantkudal/practice1.git

Credentials ?

- none - Add

Advanced...

Save Apply

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Dashboard > Assignment9 > Pipeline

General Build Triggers Advanced Project Options Pipeline

✓ Saved

*/master

Add Branch

Repository browser ?

(Auto)

Additional Behaviours

Add

Script Path ?

Jenkinsfile

☒ Lightweight checkout ?

Pipeline Syntax

Save Apply

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github.com/siddhantkudal/practice1/new/master

practice1 / Jenkinsfile in master Cancel changes

Edit new file Preview Spaces 2 No wrap

```
1 pipeline {
2
3   agent any
4
5   stages {
6
7     stage('Build') {
8
9       steps {
10
11         bat 'HelloWorld.java'
12         bat 'java -version'
13       }
14     }
15   }
16 }
17
18 stage('Run') {
19
20   steps {
21
22     echo "HelloWorld"
23   }
24 }
25 }
26 }
```

gitlab-runner-win...exe Show all

Type here to search

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github.com/siddhantkudal/practice1/new/master

```
2
3   agent any
4
5   stages {
6
7     stage('Build') {
8
9       steps {
10
11         bat 'HelloWorld.java'
12         bat 'java -version'
13       }
14     }
15   }
16 }
17
18 stage('Run') {
19
20   steps {
21
22     bat 'java HelloWorld'
23   }
24 }
25 }
26 }
```

Commit new file

gitlab-runner-win...exe Show all

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github.com/siddhantkudal/practice1/tree/master

siddhantkudal / practice1 (Public)

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

master 3 branches 0 tags

Go to file Add file Code

siddhantkudal Create Jenkinsfile f3c077a now 11 commits

1.html	modified html file	4 months ago
9ads.py	File Added	4 months ago
Addition.java	Add files via upload	26 days ago
HelloWorld.java	Update HelloWorld.java	23 days ago
JenkinsFile	Create Jenkinsfile	5 hours ago
Jenkinsfile	Create Jenkinsfile	now
add.py	addition file added	4 months ago
image1.html	Add files via upload	6 days ago
image2.html	Add files via upload	6 days ago
index.html	Add files via upload	6 days ago

Help people interested in this repository understand your project by adding a README. Add a README

About

No description, website, or topics provided.

0 stars

1 watching

0 forks

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

Languages

HTML 70.8% Python 25.0% Java 4.2%

gitlab-runner-win... Show all

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localhost:8080/job/Assignment9/

Dashboard Assignment9

Build Now

Configure

Delete Pipeline

Full Stage View

Rename

Pipeline Syntax

Polling Log

Build History trend

Filter builds...

Atom feed for all Atom feed for failures

Recent Changes

Stage View

	Declarative: Checkout SCM	Build	Run
Average stage times: (Average full run time: ~24s)	9s	7s	1s
#3 Jun 01 17:22 1 commit	7s	4s	1s
#2 Jun 01 17:20 No Changes	12s	10s	2s failed
#1 Jun 01 17:15 No Changes			

Permalinks

gitlab-runner-win... Show all

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Dashboard > Assignment9 > #3

```
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] bat

C:\ProgramData\Jenkins\jenkins\workspace\Assignment9>javac HelloWorld.java
[Pipeline] bat

C:\ProgramData\Jenkins\jenkins\workspace\Assignment9>java -version
java version "15.0.2" 2021-01-19
Java(TM) SE Runtime Environment (build 15.0.2+7-27)
Java HotSpot(TM) 64-Bit Server VM (build 15.0.2+7-27, mixed mode, sharing)
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Run)
[Pipeline] bat

C:\ProgramData\Jenkins\jenkins\workspace\Assignment9>java HelloWorld
Hello World Ashutosh Abhijeet Yash Sansakar Rohan walchand institute of technology solapur Solapur
[Pipeline] }
[Pipeline] // stage
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

REST API Jenkins 2.332.3

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