

Module-8: Jenkins Assignment - 3

Getting Started

Getting Started

✓ Folders	✓ OWASP Markup Formatter	✓ Build Timeout	✓ Credentials Binding	** Ionicons API
✓ Timestampers	Workspace Cleanup	Ant	Gradle	Folders
Pipeline	GitHub Branch Source	Pipeline: GitHub Groovy Libraries	Pipeline Graph View	OWASP Markup Formatter
Git	SSH Build Agents	Matrix Authorization Strategy	PAM Authentication	** ASM API
LDAP	Email Extension	Mailer	Dark Theme	** JSON Path API
				** Struts
				** Pipeline: Step API
				** Token Macro
				Build Timeout
				** bouncycastle API
				** Credentials
				** Plain Credentials
				** Variant
				** SSH Credentials
				Credentials Binding
				** SCM API
				** Pipeline: API
				** commons-lang3 v3.x Jenkins API
				Timestampers
				** Caffeine API
				** Script Security
				** JavaBeans Activation Framework (JAF) API
				** JAXB
				** SnakeYAML API
				** JSON Api
				** Jackson 2 API

Dashboard > Manage Jenkins > Nodes >

Nodes

Clouds

Build Queue

No builds in the queue.

Build Executor Status

Built-In Node0/2

prod0/1

test0/1

Nodes

New Node

Configure Monitors

S	Name	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
	Built-In Node	Linux (amd64)	In sync	4.46 GiB	0 B	4.46 GiB	0ms
	prod	Linux (amd64)	In sync	4.65 GiB	0 B	4.65 GiB	52ms
	test	Linux (amd64)	In sync	4.64 GiB	0 B	4.64 GiB	18ms
last checked		10 sec	10 sec	10 sec	10 sec	10 sec	10 sec

Icon: S M L

Legend

Webhooks / Add webhook

We'll send a POST request to the URL below with details of any subscribed events. You can also specify which data format you'd like to receive (JSON, x-www-form-urlencoded, etc). More information can be found in [our developer documentation](#).

Payload URL *

Content type *

Secret

SSL verification


 By default, we verify SSL certificates when delivering payloads.

☐ Enable SSL verification ☒ Disable (not recommended)

Which events would you like to trigger this webhook?

- ☒ Just the push event.
- ☐ Send me everything.
- ☐ Let me select individual events.

All +

 Add description

S	W	Name	Last Success	Last Failure	Last Duration	
		prod	4 min 14 sec #4	N/A	3 min 30 sec	
		test	4 min 23 sec #11	15 min #7	3 min 39 sec	

Icon: S M L

...

Configure

General

Triggers

Pipeline

Advanced

Set up automated actions that start your build based on specific events, like code changes or scheduled times.

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

Pipeline

Define your Pipeline using Groovy directly or pull it from source control.

Definition

Pipeline script

Script ?

```
1- pipeline {
2-   agent { label 'test' }
3-
4-   stages {
5-     stage('Git Clone') {
6-       steps {
7-         git branch: 'develop', url: 'https://github.com/rabeent2/jenkins.git'
8-       }
9-     }
10-  }
11-
12-  post {
13-    success {
14-      build job: 'prod' // This triggers 'prod' after 'test' succeeds
15-    }
16-  }
17- }
```

File Contents Summary ?

Configure

- General
- Triggers
- Pipeline
- Advanced

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

Pipeline

Define your Pipeline using Groovy directly or pull it from source control.

Definition

Pipeline script

Script ?

```
1 pipeline {
2   agent {label 'prod'}
3
4   stages {
5     stage('prod job copy to prod server') {
6       steps {
7         git branch: 'develop', url: 'https://github.com/rabeent2/jenkins.git'
8       }
9     }
10  }
11 }
12
13
14
```

☒ Use Groovy Sandbox ?



rabeent2 / jenkins

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

jenkins / assinment.txt in develop

Edit Preview Code 55% faster with GitHub Copilot

1 test for jenkins

Step	Arguments	Status
Start of Pipeline - (11 sec in block)		✓
node - (10 sec in block)	test	✓
node block - (10 sec in block)		✓
stage - (0.38 sec in block)	Git Clone	✓
stage block (Git Clone) - (0.31 sec in block)		✓
git - (0.25 sec in self)		✓
stage - (10 sec in block)	Declarative: Post Actions	✓
stage block (Declarative: Post Actions) - (10 sec in block)		✓
build (Building prod) - (9.9 sec in self)	prod	✓

✓ < Build #12

Rebuild Console Configure

Pipeline



Details

Started 2 min 34 sec ago
Queued 6.7 sec
Took 11 sec

```
ubuntu@ip-172-31-94-225: ~ X ubuntu@ip-172-31-89-99: ~/v X ubuntu@ip-172-31-84-2: ~/wo X + v
* Management: https://landscape.canonical.com
* Support: https://ubuntu.com/pro

System information as of Sat Feb 22 05:39:43 UTC 2025

System load: 0.0 Processes: 114
Usage of /: 46.0% of 6.71GB Users logged in: 1
Memory usage: 65% IPv4 address for enX0: 172.31.89.99
Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

*** System restart required ***
Last login: Sat Feb 22 04:53:42 2025 from 152.58.203.19
ubuntu@ip-172-31-89-99:~$ cd workspace/
ubuntu@ip-172-31-89-99:~/workspace$ ls
test test@tmp
ubuntu@ip-172-31-89-99:~/workspace$ cd test
ubuntu@ip-172-31-89-99:~/workspace/test$ ls
assinment.txt demo.txt jenkins.txt
ubuntu@ip-172-31-89-99:~/workspace/test$ cat assinment.txt
test for jenkins
ubuntu@ip-172-31-89-99:~/workspace/test$
```

```
ubuntu@ip-172-31-94-225: ~ X ubuntu@ip-172-31-89-99: ~/w X ubuntu@ip-172-31-84-2: ~/w X + v
* Support: https://ubuntu.com/pro

System information as of Sat Feb 22 05:38:51 UTC 2025

System load: 0.01 Processes: 116
Usage of /: 36.4% of 6.71GB Users logged in: 1
Memory usage: 35% IPv4 address for enX0: 172.31.84.2
Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

101 updates can be applied immediately.
34 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Sat Feb 22 05:25:53 2025 from 152.58.203.19
ubuntu@ip-172-31-84-2:~$ cd workspace/
ubuntu@ip-172-31-84-2:~/workspace$ ls
prod
ubuntu@ip-172-31-84-2:~/workspace$ cd prod/
ubuntu@ip-172-31-84-2:~/workspace/prod$ ls
assinment.txt demo.txt jenkins.txt
ubuntu@ip-172-31-84-2:~/workspace/prod$ cat assinment.txt
test for jenkins
ubuntu@ip-172-31-84-2:~/workspace/prod$
```