




Module 3: Git And Jenkins

Assignment 2

Job 1 Compile


Build a maven job as code compile.


**Jenkins**


sham chaudhari   log out

Dashboard >

+ New Item

 Build History

 Manage Jenkins

 My Views




Build Queue

No builds in the queue.


Build Executor Status



(0 of 2 executors busy)

All +

S	W	Name ↓	Last Success	Last Failure	Last Duration
		compile	40 sec #1	N/A	16 sec 

Icon: S M L


**Jenkins**


sham chaudhari   log out


Dashboard > compile >


Status


</> Changes

 Workspace

 Build Now


 Configure


 Delete Project

 Rename

Builds

Today

 [#1](#) 7:30 AM

 **compile**

Add description

Permalinks


- [Last build \(#1\), 5 min 14 sec ago](#)
- [Last stable build \(#1\), 5 min 14 sec ago](#)
- [Last successful build \(#1\), 5 min 14 sec ago](#)
- [Last completed build \(#1\), 5 min 14 sec ago](#)




Dashboard > compile > #1 > Console Output

```
Downloaded from central: https://repo.maven.apache.org/maven2/com/google/collections/google-collections/1.0/google-collections-1.0.jar (640 kB at 7.5 MB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/log4j/log4j/1.2.12/log4j-1.2.12.jar (358 kB at 4.2 MB/s)
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 13 source files to /var/lib/jenkins/workspace/compile/target/classes
[INFO] /var/lib/jenkins/workspace/compile/src/main/java/com/devopsdemo/tutorial/addressbook/AddressbookUI.java: Some input files use or override a deprecated API.
[INFO] /var/lib/jenkins/workspace/compile/src/main/java/com/devopsdemo/tutorial/addressbook/AddressbookUI.java: Recompile with -Xlint:deprecation for details.
[INFO] /var/lib/jenkins/workspace/compile/src/main/java/com/devopsdemo/tutorial/addressbook/backend/ContactService.java:
/var/lib/jenkins/workspace/compile/src/main/java/com/devopsdemo/tutorial/addressbook/backend/ContactService.java uses unchecked or unsafe operations.
[INFO] /var/lib/jenkins/workspace/compile/src/main/java/com/devopsdemo/tutorial/addressbook/backend/ContactService.java: Recompile with -Xlint:unchecked for details.
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 13.816 s
[INFO] Finished at: 2024-12-08T07:30:17Z
[INFO] -----
Finished: SUCCESS
```

Job 2 Unit test


Build a maven job as unit test.


 **Jenkins**


Search (CTRL+K)   sham chaudhari  log out

Dashboard >

+ New Item

 Build History

 Manage Jenkins

 My Views

Build Queue







No builds in the queue.

Build Executor Status


(0 of 2 executors busy)




All

+

S	W	Name	Last Success	Last Failure	Last Duration
		compile	15 min #1	N/A	16 sec 
		unit-test	25 sec #1	N/A	9.4 sec 

Icon: S M L


 **Jenkins**


Search (CTRL+K)   sham chaudhari  log out


Dashboard > unit-test >


Status


</> Changes

 Workspace

 Build Now

 Configure


 Delete Project


 Rename

Builds

Filter

Today

 #1 7:44 AM

 **unit-test**

Add description

Permalinks

- Last build ([#1](#)), 1 min 7 sec ago
- Last stable build ([#1](#)), 1 min 7 sec ago
- Last successful build ([#1](#)), 1 min 7 sec ago
- Last completed build ([#1](#)), 1 min 7 sec ago

Dashboard > unit-test > #1 > Console Output

```
com.devopsdemo.utilities.TestLogger - java.lang.ArithmeticException: / by zero
Cause:at com.devopsdemo.utilities.ExceptionThrower.getCounter(ExceptionThrower.java:13)
Cause:at com.devopsdemo.utilities.TestLogger.testGetErrorMessage3(TestLogger.java:45)
Tests run: 5, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.056 sec - in com.devopsdemo.utilities.TestLogger
Running com.devopsdemo.utilities.TestHexAsciiConversion
testing ascii conversion into hexadecimal
74657374696e6720617363696920636f6e76657274696e6746f2068657861646563696d616c
Tests run: 4, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.035 sec - in com.devopsdemo.utilities.TestHexAsciiConversion
Running com.devopsdemo.utilities.TestGenericComparator
Tests run: 14, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.038 sec - in com.devopsdemo.utilities.TestGenericComparator


Results :

Tests run: 23, Failures: 0, Errors: 0, Skipped: 0

[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 7.158 s
[INFO] Finished at: 2024-12-08T07:44:59Z
[INFO] -----
Finished: SUCCESS
```

Job 3 Package

Build a maven job as creating package.

 **Jenkins**

Search (CTRL+K) ? sham chaudhari v log out

Dashboard >

+ New Item

Build History

Manage Jenkins

My Views

Build Queue
No builds in the queue.


Build Executor Status
(0 of 2 executors busy)

All +

S	W	Name ↓	Last Success	Last Failure	Last Duration	
✓	☀	compile	19 min #1	N/A	16 sec	▶
✓	☀	create-package	20 sec #1	N/A	10 sec	▶
✓	☀	unit-test	5 min 0 sec #1	N/A	9.4 sec	▶

Icon: S M L

Add description

 **Jenkins**

Search (CTRL+K) ? sham chaudhari v log out

Dashboard > create-package >

Status

Changes

Workspace

Build Now

Configure

Delete Project

Rename

Builds
Filter /
Today
#1 7:49 AM

✓ create-package

Add description

Permalinks

- Last build (#1), 39 sec ago
- Last stable build (#1), 39 sec ago
- Last successful build (#1), 39 sec ago
- Last completed build (#1), 39 sec ago


Dashboard > create-package > #1 > Console Output

```
Progress (1): 5.8/5.9 MB
Progress (1): 5.8/5.9 MB
Progress (1): 5.8/5.9 MB
Progress (1): 5.8/5.9 MB
Progress (1): 5.8/5.9 MB
Progress (1): 5.9/5.9 MB
Progress (1): 5.9/5.9 MB
Progress (1): 5.9/5.9 MB
Progress (1): 5.9 MB

Downloaded from central: https://repo.maven.apache.org/maven2/com/github/luben/zstd-jni/1.5.5-2/zstd-jni-1.5.5-2.jar (5.9 MB at 16 MB/s)
[INFO] Packaging webapp
[INFO] Assembling webapp [sampleapp] in [/var/lib/jenkins/workspace/create-package/target/sampleapp]
[INFO] Processing war project
[INFO] Building war: /var/lib/jenkins/workspace/create-package/target/sampleapp.war
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 8.253 s
[INFO] Finished at: 2024-12-08T07:49:40Z
[INFO] -----
Finished: SUCCESS
```

Job 4 Deploy

Build a maven job as deploy application war file which we can created in package job

 **Jenkins**

Search (CTRL+K) ? sham chaudhari v log out

Dashboard >

+ New Item

Build History

Project Relationship

Check File Fingerprint

Manage Jenkins

My Views

Build Queue
No builds in the queue.


Build Executor Status
(0 of 2 executors busy)

All +

S	W	Name ↓	Last Success	Last Failure	Last Duration
✓	☀	compile	2 hr 6 min #1	N/A	16 sec
✓	☀	create-package	1 hr 46 min #1	N/A	10 sec
✓	☁	deploy	28 sec #3	43 min #2	7.8 sec
✓	☀	unit-test	1 hr 51 min #1	N/A	9.4 sec

Icon: S M L

Add description

 **Jenkins**

Search (CTRL+K) ? sham chaudhari v log out

Dashboard > deploy >

Status

Changes

Workspace

Build Now

Configure

Delete Project

Rename

Builds
Filter /
Today
#3 9:35 AM ✓
#2 8:53 AM ✗
#1 8:51 AM ✗

✓ deploy

Add description

Permalinks

- Last build (#3), 49 sec ago
- Last stable build (#3), 49 sec ago
- Last successful build (#3), 49 sec ago
- Last failed build (#2), 43 min ago
- Last unsuccessful build (#2), 43 min ago
- Last completed build (#3), 49 sec ago

Dashboard > deploy > #3 > Console Output

Tests run: 23, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.04 sec in com.devops.sampleapp.TestSampleApp

Results :

Tests run: 23, Failures: 0, Errors: 0, Skipped: 0

[INFO]
[INFO] --- war:3.4.0:war (default-war) @ sampleapp ---
[INFO] Packaging webapp
[INFO] Assembling webapp [sampleapp] in [/var/lib/jenkins/workspace/deploy/target/sampleapp]
[INFO] Processing war project
[INFO] Building war: /var/lib/jenkins/workspace/deploy/target/sampleapp.war
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 4.733 s
[INFO] Finished at: 2024-12-08T09:35:59Z
[INFO] -----
[DeployPublisher][INFO] Attempting to deploy 1 war file(s)
[DeployPublisher][INFO] Deploying /var/lib/jenkins/workspace/deploy/target/sampleapp.war to container Tomcat 9.x Remote with context null
[/var/lib/jenkins/workspace/deploy/target/sampleapp.war] is not deployed. Doing a fresh deployment.
Deploying [/var/lib/jenkins/workspace/deploy/target/sampleapp.war]
Finished: SUCCESS

Here is example of web application deployed on tomcat server

← → ↻

Not secure 34.135.103.123:8080/sampleapp/

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Dashboard / Kite Gmail Task Data QA DOC Deepmap Auto Pilot NV Learning Outlook LS Team Doc Data Factory DeepMap Tools Por... Task Viewer >> All Bookmarks

Filter contacts... New contact

First Name	Last Name	Email
George	White	george@white.com
Daniel	Thompson	daniel@thompson.com
Timothy	Jones	timothy@jones.com
Peter	Wilson	peter@wilson.com
Dan	Robinson	dan@robinson.com
Dan	Davis	dan@davis.com
Olivia	Davis	olivia@davis.com
Dan	Smith	dan@smith.com
Daniel	Anderson	daniel@anderson.com
Alice	Thomas	alice@thomas.com
Linda	Harris	linda@harris.com
Daniel	Robinson	daniel@robinson.com
Mike	Young	mike@young.com
Umberto	Anderson	umberto@anderson.com
Scott	Thompson	scott@thompson.com
Rene	Martin	rene@martin.com