









Experiment - 04

- Create a new Maven Project with a Java Class and push the code to GitHub.

```
1
2 public class MyClass {
3
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
6         System.out.println("Hello Github & Jenkins");
7         System.out.println("Testing Jenkins Integration with Maven");
8     }
9
10 }
11
```

 Sarthak1306 Added L2	5bc750f 2 minutes ago	 4 commits
 .settings	My Maven Project - First Commit	1 hour ago
 src/main/java	Second Commit - Changed L1	1 hour ago
 .classpath	My Maven Project - First Commit	1 hour ago
 .gitignore	My Maven Project - First Commit	1 hour ago
 .project	My Maven Project - First Commit	1 hour ago
 pom.xml	My Maven Project - First Commit	1 hour ago

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

[Add a README](#)

- Download the Git Plugin for Jenkins.

Installing Plugins/Upgrades


Preparation

- Checking internet connectivity
- Checking update center connectivity

Javadoc  Pending

Maven Integration  Pending

Loading plugin extensions  Pending

 [Go back to the top page](#)
(you can start using the installed plugins right away)

 ☐ Restart Jenkins when installation is complete and no jobs are running

- We create a new Jenkins Job and Trigger the build using the Poll SCM Option (* * * * *) for every minute.

Build Triggers

☒ Build whenever a SNAPSHOT dependency is built

☐ Schedule build when some upstream has no successful builds

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

☐ Build after other projects are built


☐ Build periodically

☐ GitHub hook trigger for GITScm polling

☒ Poll SCM

Schedule

* * * * *

 **Do you really mean "every minute" when you say "* * * * *"? Perhaps you meant "H * * * * *" to poll once per hour**
 Would last have run at Sunday, 14 February, 2021 at 10:14:05 PM India Standard Time; would next run at Sunday, 14 February, 2021 at 10:14:05 PM India Standard Time.

☐ Ignore post-commit hooks

- We then build the project.

```
No credentials specified
> git rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/Sarthak1306/BRM_Lab4_2021.git # timeout=10
Fetching upstream changes from https://github.com/Sarthak1306/BRM_Lab4_2021.git
> git --version # timeout=10
> git --version # 'git version 2.24.3 (Apple Git-128)'
> git fetch --tags --force --progress -- https://github.com/Sarthak1306/BRM_Lab4_2021.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision 6c6de86ab457adbf6f550e940b7ac3d72e93a4db (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f 6c6de86ab457adbf6f550e940b7ac3d72e93a4db # timeout=10
Commit message: "Updated pom.xml"
> git rev-list --no-walk 048dede51fa0e9a013b14338b8f0fb85c069c8e1 # timeout=10
Parsing POMs
Established TCP socket on 61371
[BRM_Lab4_2021] $ /Library/Java/JavaVirtualMachines/jdk-13.0.2.jdk/Contents/Home/bin/java -cp /Users/sarthak/.jenkins/plugins/maven-plugin/WEB-INF/lib/maven35-agent-1.13.jar:/Applications/apache-maven-3.5.4/boot/plexus-classworlds-2.5.2.jar:/Applications/apache-maven-3.5.4/conf/logging-jenkins.maven3.agent.Maven35Main /Applications/apache-maven-3.5.4/Users/sarthak/.jenkins/war/WEB-INF/lib/remoting-4.6.jar /Users/sarthak/.jenkins/plugins/maven-plugin/WEB-INF/lib/maven35-interceptor-1.13.jar /Users/sarthak/.jenkins/plugins/maven-plugin/WEB-INF/lib/maven3-interceptor-commons-1.13.jar 61371
<====[JENKINS REMOTING CAPACITY]====>channel started
Executing Maven: -B -f /Users/sarthak/.jenkins/workspace/BRM_Lab4_2021/pom.xml compile
[INFO] Scanning for projects...
[INFO]
[INFO] -----< upes.ddn:BRM_Lab4_2021 >-----
[INFO] Building BRM_Lab4_2021 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ BRM_Lab4_2021 ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /Users/sarthak/.jenkins/workspace/BRM_Lab4_2021/src/main/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ BRM_Lab4_2021 ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding UTF-8, i.e. build is platform dependent!
[INFO] Compiling 1 source file to /Users/sarthak/.jenkins/workspace/BRM_Lab4_2021/target/classes
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 1.245 s
[INFO] Finished at: 2021-02-11T10:54:52+05:30
[INFO]
Waiting for Jenkins to finish collecting data
[JENKINS] Archiving /Users/sarthak/.jenkins/workspace/BRM_Lab4_2021/pom.xml to upes.ddn/BRM_Lab4_2021/0.0.1-SNAPSHOT/BRM_Lab4_2021-0.0.1-SNAPSHOT.pom
channel stopped
Finished: SUCCESS
```



Build History

trend ^

X



#6

11 Feb 2021, 10:59



#5

11 Feb 2021, 10:54

Atom feed for all Atom feed for failures

- Then after making a change in the code, the updated files are pulled from Github and the second scheduled build is performed.

```
Started by an SCM change
Running as SYSTEM
Building in workspace /Users/sarthak/.jenkins/workspace/BRM_Lab4_2021
The recommended git tool is: NONE
No credentials specified
> git rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/Sarthak1306/BRM_Lab4_2021.git # timeout=10
Fetching upstream changes from https://github.com/Sarthak1306/BRM_Lab4_2021.git
> git --version # timeout=10
> git --version # 'git version 2.24.3 (Apple Git-128)'
> git fetch --tags --force --progress -- https://github.com/Sarthak1306/BRM_Lab4_2021.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision 5bc750fb67848f2232d7ca76b69f27015276216a (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f 5bc750fb67848f2232d7ca76b69f27015276216a # timeout=10
Commit message: "Added L2"
> git rev-list --no-walk 6c6de86ab457adbf6f550e940b7ac3d72e93a4db # timeout=10
Parsing POMs
Established TCP socket on 61436
[BRM_Lab4_2021] $ /Library/Java/JavaVirtualMachines/jdk-13.0.2.jdk/Contents/Home/bin/java -cp /Users/sarthak/.jenkins/plugins/maven-plugin/WEB-INF/lib/maven35-agent-1.13.jar:/Applications/apache-maven-3.5.4/boot/plexus-classworlds-2.5.2.jar:/Applications/apache-maven-3.5.4/conf/logging-jenkins-maven3-agent.Maven35Main /Applications/apache-maven-3.5.4/Users/sarthak/.jenkins/war/WEB-INF/lib/remoting-4.6.jar /Users/sarthak/.jenkins/plugins/maven-plugin/WEB-INF/lib/maven35-interceptor-1.13.jar /Users/sarthak/.jenkins/plugins/maven-plugin/WEB-INF/lib/maven3-interceptor-commons-1.13.jar 61436
<==[JENKINS REMOTING CAPACITY]==>channel started
Executing Maven: -B -f /Users/sarthak/.jenkins/workspace/BRM_Lab4_2021/pom.xml compile
[INFO] Scanning for projects...
[INFO]
[INFO] -----< upes.ddn:BRM_Lab4_2021 >-----
[INFO] Building BRM_Lab4_2021 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ BRM_Lab4_2021 ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /Users/sarthak/.jenkins/workspace/BRM_Lab4_2021/src/main/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ BRM_Lab4_2021 ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding UTF-8, i.e. build is platform dependent!
[INFO] Compiling 1 source file to /Users/sarthak/.jenkins/workspace/BRM_Lab4_2021/target/classes
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] -----
[INFO] Total time: 1.690 s
[INFO] Finished at: 2021-02-11T10:59:51+05:30
[INFO]
```