Architect Academy Talent Transformation

DEVOPS PROFESSIONAL CERTIFICATION PROGRAM

Lab – 4: Getting Started with Maven

- > Review Maven Configuration / Setup
- > Create Maven Project using plugins Example, Jar & war
- > Execute maven goals (tasks)
- > Construct simple JUnit code and understand assert statements & Reports



1. Maven Configuration / Setup (Review)

- Set Environment variable
 - o **JAVA_HOME** point to the base directory location (JAVA_HOME to <yourpath>\jdk1.x.x)
 - MAVEN_HOME point to the base directory location(<yourpath>\apache-maven-3.x.x)
 - M2_HOME point to the base directory location (<yourpath>\apache-maven-3.x.x)
- Path JAVA Compiler, append Java compiler location to System Path (<yourpath>\jdk1.x.x\bin)
- Note Append the string; %M2% to the end of the system variable PATH

2. Generate maven project using Archetype plugin

a. Generate project structure whose artifact type would be jar – Quickstart Type

```
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C Secure https://topgearvm.wipro.com/f5vdifwd/vmview/ab829606-c6d5-44f5-901a-4b8011a4cbed/webclient/index.html#/desktop
DevOpsOS-TR: ~/ap/GettingStarted/mavenProcess
                                                                                                                                               🔎 🛅 🌗 1:43 PM 璺
 o<mark>sgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess$</mark> mvn archetype:generate -DgroupId=com.devops -DartifactId=Demo1 -DarchetypeArtifactId=mave
n-archetype-guickstart -DinteractiveMode=false
       Scanning for projects...
ITNE01
[INFO] -----
[INFO] >>> maven-archetype-plugin:3.0.1:generate (default-cli) > generate-sources @ standalone-pom >>>
TTNF01
[INFO] <<< maven-archetype-plugin:3.0.1:generate (default-cli) < generate-sources @ standalone-pom <<<
ITNF01
        --- maven-archetype-plugin:3.0.1:generate (default-cli) @ standalone-pom ---
[INFO] Generating project in Batch mode
        NG] No archetype found in remote catalog. Defaulting to internal catalog
[INFO] Using following parameters for creating project from Old (1.x) Archetype: maven-archetype-quickstart:1.0
[INFO] Parameter: basedir, Value: /home/osgdev/ap/GettingStarted/mavenProcess
[INFO] Parameter: basedir, Value: /home/osgdev/ap/GettingStarted/mavenProcess
[INFO] Parameter: groupId, Value: com.devops
[INFO] Parameter: groupId, Value: com.devops
[INFO] Parameter: artifactId, Value: Demol
[INFO] Parameter: packageName, Value: com.devops
[INFO] Parameter: version, Value: 1.0-SNAPSHOT
[INFO] project created from Old (1.x) Archetype in dir: /home/osgdev/ap/GettingStarted/mavenProcess/Demol
[INFO] BUILD SUCCESS
[TNFO] -----
[INF0] Total time: 3.163 s
[INF0] Finished at: 2018-07-12T13:43:05+05:30
sudev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess$
```

 Review project structure and check auto-generated pom.xml, sample main code and Junit test code

b. Generate project structure whose artifact type would be war.

```
Dynamic Webtop X \ \ \backsquare VMware Horizon
C a Secure https://topgearvm.wipro.com/f5vdifwd/vmview/916a8e39-c91f-4ddd-b9bf-a2c0166c642d/webclient/index.html#/desktop
                                                                                                                           ☆ 🗦 🔻 🔼 🕡 🔘 🖫 💆 :
                                                                                                                                        En (1) 12:28 PM
Terminal File Edit View Search Terminal Help
 o<mark>sgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess$</mark> mvn archetype:generate -DgroupId=com.devops -DartifactId=Demo2 -DarchetypeArtifactId=mave
n-archetype-webapp -DinteractiveMode=false
[INFO] Scanning for projects...
INFO
[INFO] Building Maven Stub Project (No POM) 1
[INFO]
[INFO]
       >>> maven-archetype-plugin:3.0.1:generate (default-cli) > generate-sources @ standalone-pom >>>
TNFOI
       <<< maven-archetype-plugin:3.0.1:generate (default-cli) < generate-sources @ standalone-pom <<</pre>
INFO
       --- maven-archetype-plugin:3.0.1:generate (default-cli) @ standalone-pom ---
[INFO]
[INFO]
       Generating project in Batch mode
[TNF0]
       Using following parameters for creating project from Old (1.x) Archetype: maven-archetype-webapp:1.0
[TNF0]
       Parameter: basedir, Value: /home/osgdev/ap/GettingStarted/mavenProcess
[INF0] Parameter: backage, Value: com.devops
[INF0] Parameter: groupId, Value: com.devops
[INF0] Parameter: artifactId, Value: Demo2
[INF0] Parameter: packageName, Value: com.devops
INFO] Parameter: version, Value: 1.0-SNAPSHOT
[INFO] project created from Old (1.x) Archetype in dir: /home/osgdev/ap/GettingStarted/mavenProcess/Demo2
 TNFO
[INFO] BUILD SUCCESS
[INF0] ------
[INF0] Total time: 5.426 s
 INFO] Finished at: 2018-07-16T12:28:44+05:30
sgdev@DevOpsOS-TR ~/ap/GettingStarted/mavenProcess$
```


• Quickstart Type Project - Compile and review folder / files

```
Dynamic Webtop
             X VMware Horizon
                                   × VMware Horizon
                                                        × \ \ \ AviCompileArtifact Config × \
C Secure https://topgearvm.wipro.com/f5vdifwd/vmview/ab829606-c6d5-44f5-901a-4b8011a4cbed/webclient/index.html#/desktop
@DevOpsOS-TR: ~/ap/GettingStarted/mavenProcess/Demo1
osqdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$ mvn compile
 [INFO] Scanning for projects...
 [INFO]
 [INFO] Building Demo1 1.0-SNAPSHOT
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ Demo1 ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
 [INF0] skip non existing resourceDirectory /home/osgdev/ap/GettingStarted/mavenProcess/Demol/src/main/resources
 [INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ Demo1 ---
 [INFO] Changes detected - recompiling the module!
      NG] File encoding has not been set, using platform encoding UTF-8, i.e. build is platform dependent!
 INFO] Compiling 1 source file to /home/osgdev/ap/GettingStarted/mavenProcess/Demo1/target/classes
 [INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 4.735 s
 [INFO] Finished at: 2018-07-12T13:47:12+05:30
 [INFO] Final Memory: 13M/182M
 osgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$
osgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$ tree
   – pom.xml
     src
          main
           └─ java
                  - com
                    devops
                          └─ App.java
          test
               java
                  - com
                     └─ devops
                            — AppTest.java
     target
          classes
            — com
               devops
                    └─ App.class
          maven-status
           └─ compile
                     default-compile
                            — createdFiles.lst
                            — inputFiles.lst
17 directories, 6 files
osgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$
```

Run goal: Clean and review folder / files

```
osgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$ mvn clean
[INFO] Scanning for projects...
[INFO]
[INF0] ------
[INFO] Building Demol 1.0-SNAPSHOT
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ Demo1 ---
[INFO] Deleting /home/osgdev/ap/GettingStarted/mavenProcess/Demo1/target
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] ------
[INFO] Total time: 0.687 s
[INFO] Finished at: 2018-07-12T13:48:40+05:30
[INFO] Final Memory: 7M/75M
  osgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$ tree
        - pom.xml
        - src
                    - main
                        └─ java
                                       — com

	─ devops

                                                         └─ App.java
                       test
                             — java
                                        — com

    devops
    de
                                                           └─ AppTest.java
 9 directories, 3 files
 osgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$
```

• Run goal: Test and review folder / files

```
osgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$ mvn test
[INFO] Scanning for projects...
[INFO] Building Demol 1.0-SNAPSHOT
[INFO]
           maven-resources-plugin:2.6:resources (default-resources) @ Demo1 ---
[INF01 ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /home/osgdev/ap/GettingStarted/mavenProcess/Demo1/src/main/resources
[INFO]
          - maven-compiler-plugin:3.1:compile (default-compile) @ Demo1 ---
[INFO] Changes detected - recompiling the module!
       [6] File encoding has not been set, using platform encoding UTF-8, i.e. build is platform dependent!
{\sf [INFO]} Compiling 1 source file to /home/osgdev/ap/GettingStarted/mavenProcess/Demo1/target/classes
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ Demo1 ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /home/osgdev/ap/GettingStarted/mavenProcess/Demo1/src/test/resources
TTNF01
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ Demo1 ---
[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 /home/osgdev/ap/GettingStarted/mavenProcess/Demo1/target/test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ Demo1 ---
[INFO] Surefire report directory: /home/osgdev/ap/GettingStarted/mavenProcess/Demol/target/surefire-reports
```

```
TESTS
Running com.devops.AppTest
Fests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.033 sec
Results :
[ests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO] BUILD SUCCESS
[INFO] ------
INF0] Total time: 4.532 s
INF0] Finished at: 2018-07-12T13:49:28+05:30
[INFO] Final Memory: 16M/180M
>>sgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$
osgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$ tree
  - pom.xml
   src
     — main
       └─ java
           — com
```

```
- devops
                      └─ App.java
                 - devops
                     └─ AppTest.java
   target
        classes
        L com
            └─ devops
                 — App.class
        maven-status

    maven-compiler-plugin

             — compile
                 └ default-compile
                      createdFiles.lst
inputFiles.lst
               - testCompile

    default-testCompile

                       — createdFiles.lst
                       inputFiles.lst
        surefire-reports
        com.devops.AppTest.txt
TEST-com.devops.AppTest.xml
        test-classes
          — com

	─ devops

	── AppTest.class

23 directories, 11 files
osgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$ ||
```

Run goal: Clean and package, also review folder / files

```
osgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$ mvn clean package
 [INFO] Scanning for projects...
 [TNF0]
         Building Demol 1.0-SNAPSHOT
 [INFO] -----
         --- maven-clean-plugin:2.5:clean (default-clean) @ Demo1 --
 [INFO] Deleting /home/osgdev/ap/GettingStarted/mavenProcess/Demo1/target
 [INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ Demo1 ---
 (MANNING) Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /home/osgdev/ap/GettingStarted/mavenProcess/Demol/src/main/resources
 [INF0]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ Demol ---
[INFO] Changes detected - recompiling the module!
[INFO] File encoding has not been set, using platform encoding UTF-8, i.e. build is platform dependent!
[INFO] Compiling 1 source file to /home/osgdev/ap/GettingStarted/mavenProcess/Demol/target/classes
 [INFO]
 [INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ Demol ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /home/osgdev/ap/GettingStarted/mavenProcess/Demol/src/test/resources
 [INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ Demol ---
 [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 /home/osgdev/ap/GettingStarted/mavenProcess/Demol/target/test-classes
 [INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ Demo1 ---
[INFO] Surefire report directory: /home/osgdev/ap/GettingStarted/mavenProcess/Demol/target/surefire-reports
Running com.devops.AppTest
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.024 sec
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
         --- mayen-jar-plugin:2.4:jar (default-jar) @ Demo1 ---
[INFO] Building jar: /home/osgdev/ap/GettingStarted/mavenProcess/Demol/target/Demol-1.0-SNAPSHOT.jar
[INFO]
[INFO] BUILD SUCCESS
[INFO] BUILD SUCCESS
[INFO] Total time: 6.591 s
[INFO] Finished at: 2018-07-12T13:54:47+05:30
[INFO] Final Memory: 17M/147M
[INFO]
osgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$
osqdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$ tree
   mx.mod —
      target
├─ classes
         com
devops
App.class
Demo1-1.0-SNAPSHOT.jar

    maven-archiver

            └─ pom.properties
           maven-status
            ∟ maven-compiler-plugin
                      compile default-compile
                            createdFiles.lst
inputFiles.lst
                     - testCompile
                       └─ default-testCompile
                            createdFiles.lst
inputFiles.lst
           surefire-reports
            com.devops.AppTest.txt
TEST-com.devops.AppTest.xml
              #ST-CCS

— com

— devops

— AppTest.class
24 directories, 13 files
       ev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$
```

• Run goal: test-compile & review folder / files

```
v@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$ mvn test-compile
[INFO] Scanning for projects...
[INFO]
 INFO
                                         Building Demol 1.0-SNAPSHOT
ineoi -----
[INFO] --- mayen-resources-plugin:2.6:resources (default-resources) @ Demo1 ---
(MANNING) Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /home/osgdev/ap/GettingStarted/mavenProcess/Demol/src/main/resources
 INF0] --- maven-compiler-plugin:3.1:compile (default-compile) @ Demo1 --
[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 /home/osgdev/ap/GettingStarted/mavenProcess/Demol/target/classes
[IMF0] --- maven-resources-plugin:2.6:testResources (default-testResources) @ Demol ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INF0] skip non existing resourceDirectory /home/osgdev/ap/GettingStarted/mavenProcess/Demol/src/test/resources
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ Demo1 ---
[INFO] Changes detected - recompiling the module!
[MARNING] File encoding has not been set, using platform encoding UTF-8, i.e. build is platform dependent!
[INFO] BUILD SUCCESS
[INFO] Total time: 2.567 s
[INFO] Total time: 2.567 s
[INFO] Finished at: 2018-07-12T14:02:28+05:30
[INFO] Final Memory: 14M/177M
[INFO] -----
  sgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$
```

• Run goal: Verify & review folder / files

```
ynamic Webtop 🗙 🕒 VMware Horizon x 🔻 🕒 VMware Horizon x 🕍 AviCompileArtifact Config x
C a Secure https://topgearvm.wipro.com/f5vdifwd/vmview/ab829606-c6d5-44f5-901a-4b8011a4cbed/webclient/index.html#/desktop
                                                                                                                                             ☆ 🚽 💙 🔼 🕡 🍳 🖫 📱 🗄
DevOpsOS-TR: ~/ap/GettingStarted/mavenProcess/Demo1
                                                                                                                                                       En (4) 2:03 PM 
[INFO] ------[INFO]
         DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$ mvn verify
[INFO] Scanning for projects...
[INFO] ------
[INFO] Building Demol 1.0-SNAPSHOT
[INFO] --- mayen-resources-plugin:2.6:resources (default-resources) @ Demo1 ---
[MARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /home/osgdev/ap/GettingStarted/mavenProcess/Demol/src/main/resources
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ Demol ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ Demol ---
[MARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /home/osgdev/ap/GettingStarted/mavenProcess/Demol/src/test/resources
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ Demo1 --- [INFO] Nothing to compile - all classes are up to date
[IMF0] --- maven-surefire-plugin:2.12.4:test (default-test) @ Demol --- [IMF0] Surefire report directory: /home/osgdev/ap/GettingStarted/mavenProcess/Demol/target/surefire-reports
 TESTS
Running com.devops.AppTest
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.019 sec
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO] Total time: 3.107 s
[INFO] Finished at: 2018-07-12T14:03:20+05:30
[INFO] Final Memory: 15M/174M
[INFO] ------
osgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$
```

Run goal: install & review folder / files

```
x VMware Horizon x \( \sum_{\text{\frac{1}{2}}} \) AviCompileArtifact Config x \( \text{\frac{1}{2}} \)
C ■ Secure | https://topgearvm.wipro.com/f5vdifwd/vmview/ab829606-c6d5-44f5-901a-4b8011a4cbed/webclient/index.html#/desktop
                                                                                                                                         ☆ 寻 💙 🚨 🕡 ② 🚇 💻 🗄
DevOpsOS-TR: ~/ap/GettingStarted/mavenProcess/Demo1
                                                                                                                                                 🔎 🗊 🕼 2:05 PM 🖳
clean: command not found
psgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demol$ mvn install
[INFO] Scanning for projects...
 INFO] Building Demo1 1.0-SNAPSHOT
TNFO
 INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ Demol ---
WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
 INFO] skip non existing resourceDirectory /home/osgdev/ap/GettingStarted/mavenProcess/Demol/src/main/resources
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ Demo1 ---
 INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ Demo1 ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /home/osgdev/ap/GettingStarted/mavenProcess/Demo1/src/test/resources
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ Demo1 ---
[INFO] Nothing to compile - all classes are up to date
       --- maven-surefire-plugin:2.12.4:test (default-test) @ Demo1 ---
[INFO] Surefire report directory: /home/osgdev/ap/GettingStarted/mavenProcess/Demo1/target/surefire-reports
Running com.devops.AppTest
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.038 sec
Tests run: 1. Failures: 0. Errors: 0. Skipped: 0
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ Demol ---
 [INFO] --- maven-install-plugin:2.4:install (default-install) @ Demo1 ---
[INFO] Installing /home/osgdev/ap/GettingStarted/mavenProcess/Demol/target/Demol-1.0-SNAPSHOT.jar to /home/osgdev/.m2/repository/com/devops/Demol-1.0-SNAPSHOT/Demol-1.0-SNAPSHOT.jar
 [INFO] Installing /home/osgdev/ap/GettingStarted/mavenProcess/Demol/pom.xml to /home/osgdev/.m2/repository/com/devops/Demol/1.0-SNAPSHOT/Demol
 1.0-SNAPSHOT.pom
 INFO1 BUILD SUCCESS
 [INFO] Total time: 3.363 s
[INFO] Finished at: 2018-07-12T14:05:20+05:30
[INFO] Final Memory: 15M/174M
[INFO]
  sgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$
```

• Run goal: Deploy & review folder / files

```
psgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$ mvn deploy
[INFO] Scanning for projects..
[INFO] Building Demol 1.0-SNAPSHOT
[INFO]
 INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ Demol ---
WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
 INFO] skip non existing resourceDirectory /home/osgdev/ap/GettingStarted/mavenProcess/Demol/src/main/resources
[INFO] --- mayen-compiler-plugin:3.1:compile (default-compile) @ Demo1 ---
 INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ Demol ---
[MARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /home/osgdev/ap/GettingStarted/mavenProcess/Demol/src/test/resources
        --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ Demo1 ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ Demo1 ---
[INFO] \ \ Sure fire \ report \ directory: \ /home/osgdev/ap/GettingStarted/mavenProcess/Demo1/target/surefire-reports
 TESTS
Running com.devops.AppTest
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.041 sec
Tests run: 1. Failures: 0. Errors: 0. Skipped: 0
```

```
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ Demol ---
[INFO] --- maven-install-plugin:2.4:install (default-install) @ Demol ---
[INFO] --- maven-install-plugin:2.4:install (default-install) @ Demol ---
[INFO] Installing /home/osgdev/ap/GettingStarted/mavenProcess/Demol/target/Demol-1.0-SNAPSHOT.jar to /home/osgdev/.m2/repository/com/devops/Demol/1.0-SNAPSHOT.par
[INFO] Installing /home/osgdev/ap/GettingStarted/mavenProcess/Demol/pom.xml to /home/osgdev/.m2/repository/com/devops/Demol/1.0-SNAPSHOT/Demol
-1.0-SNAPSHOT.pom
[INFO]
[INFO] --- maven-deploy-plugin:2.7:deploy (default-deploy) @ Demol ---
[INFO]
[INFO] BUILD FAILURE
[INFO] Total time: 3.778 s
[INFO] Total time: 3.778 s
[INFO] Final Memory: 11M/173M
[INFO] Final Memory: 11M/173M
[INFO] Final Memory: 11M/173M
[INFO] --- [Help 1]
[ERROR] Failed to execute goal org.apache.maven.plugins:maven-deploy-plugin:2.7:deploy (default-deploy) on project Demol: Deployment failed: r
epository element was not specified in the POM inside distributionManagement element or in -DaltDeploymentRepository=id::layout::url parameter
-> [Help 1]
[ERROR]
```

Run goal: Site & review folder / files



