06.04Apr. Dependencies & Testing 3 April 2023 08:36 PM Dependencies Executions Files Direct Execution = .EXE, .cmd, .bat, .jar, etc File -> PATH Silent Execution = .dli-Dynamic Link Library, .jar -> CLASSPATH Set CLASSPATH is used to Point to Dependencies(Library) Execute on Other Program wants to execute \$ java -cp c:\abc.jar notepad \$ java -cp c:\abc.jar;c:\xyz.jar wordpad \$ set classpath=%classpath%;c:\abc.jar;c:\xyz.jar;c:\pqr.jar; \$ java ms-word Maven --> POM.xml TestNG Manage: IDE - Eclipse CLI - JAR File (download jar, set classpath) Build - Maven CI- Jenkins How TestNG Framework Works Test Data --> Test Cases(Scenario) --> Build Tool(Maven) --> Generate Report --> Management/Client/Architectures 3,2 --> Test Cases(3+2, 3-2) --> Build Tool(Maven - mvn test) --> Generate Report(xml, html) --> Management/Client/Architectures/CRM/ERP/Email/Notification Service Current User Home Directory/Folder %userprofile% Windows, Unix(Linux/Mac) = ~ # java -cp <JAR-PATHs> <output-Address> Windows ava - g- "Sweeprofile%/, m2/repository/org/testng/tes/, 72.4.0/testng-7.4.0.1;ar/sweeprofile%/, m2/repository/com/bestraget/test-classes" org.testng.TestNG -testclass "com. baeldung testng. DateSerializer ServiceUnitTest" va - (p · ~ /m//pepository/org/testing Repository(Inter related Files = Project) 1. Source Code = Only Source Code(_java/_,py/_go) -> VCS Tool = Github BUILD TOO(| Apache Mayor, msi | -> Artifactory Tool = Frog/Azure Artifact 2. Output Files = Artifact(_war, _jar, _msi | -> Artifactory Tool = Frog/Azure Artifact 3. Complete So = Image (so, Vox, ovi, det) -> Virtualization/Container Tool = Vagrant/Docker Use Cases: > System Requirements > Helps to understand o the end-user actions o System Behaviour > Pictorial action displayed Officer1 Officer2 Clerk Continues Integration/CD/CD/CM/Tool Open Source Jenkins AWS - CodePipeline Azure - Pipeline

Using TestNG to Test Cases:

\$ mvn -P ExecuteSingleTest test
\$ mvn -P ExecuteTestSuite test