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EPAM Systems, RD Dep., RD Dep. MTN.*NIX.09 Continuous Delivery with Jenkins

MTN.*NIX.09 Continious Delivery with Jenkins

Software build principles

REVISION HISTORY					
Ver.	Description of Change	Author	Date	Approved	
				Name	Effective Date
<1.0>	Initial revision	Aleksandr Mazurenko	<25-Jun-2017>		

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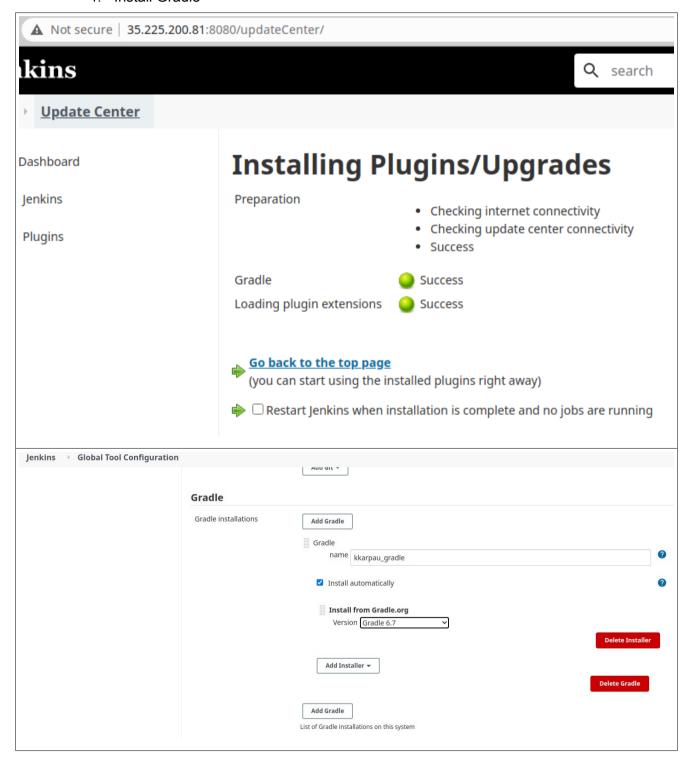
Task 1. Gradle build

Review

Implement Gradle build script for sample project.

Task

1. Install Gradle

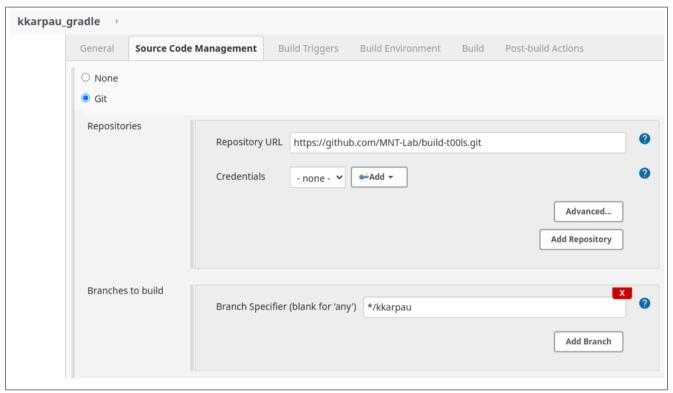


Clone GitHub project git@github.com:MNT-Lab/build-t00ls.git

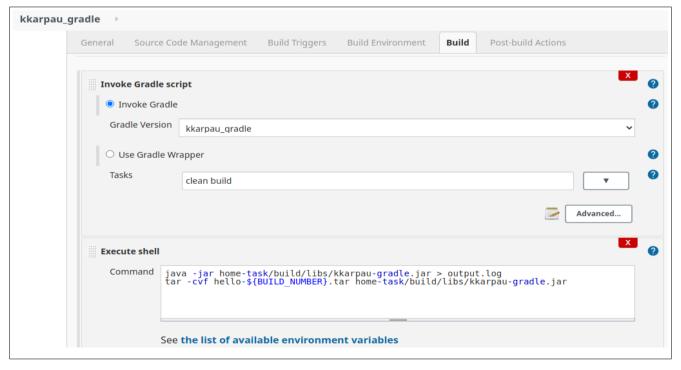
3. Create your own branch based on master by pattern:

First char of name + surname

Example: The name of student - Serhei Ivanou. The branch will be **sivanou**.

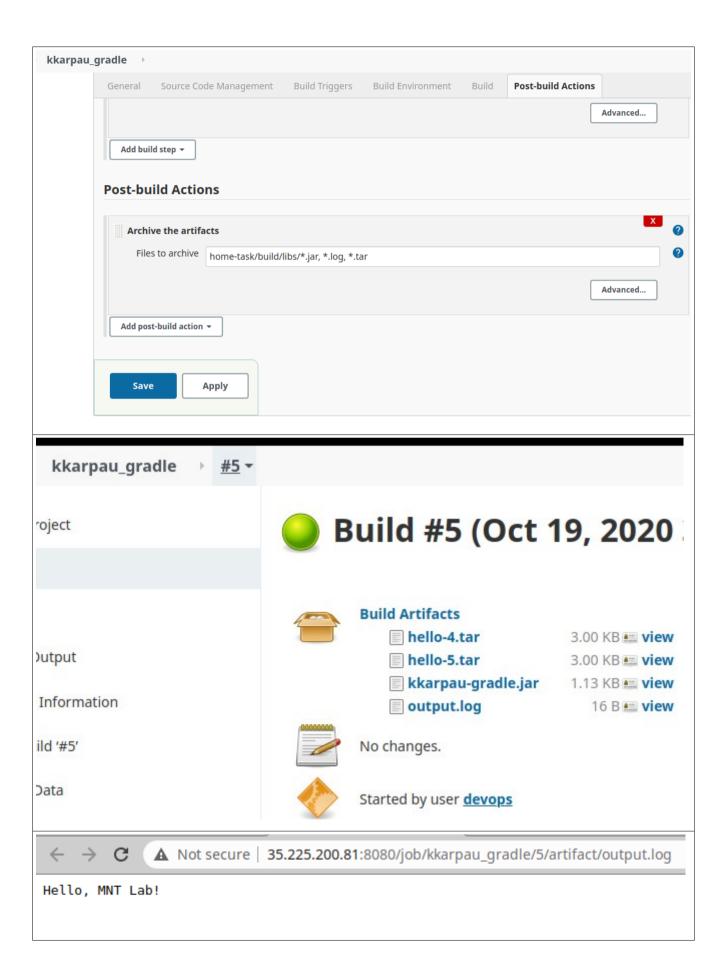


4. Implement **build.gradle** build to clean, compile, test, create jar file and distribution artifact. (source code in 'src' repo).



- 5. Build file should contain:
 - Tasks: "build-custom", "test-custom" and "hello".
 - "hello" should depend on "test-custom", "test-custom" should depend on "build"
 - setting custom artifact name

- 6. All changes should be tracked by commits to own branch
- 7. Push to GitHub
- 8. Setup Jenkins job("helloworld-sivanou-gradle-build")::
 - a) build from repository (poll SCM)
 - b) use Gradle plugin
 - c) run jar and output save to file 'output.log'
 - d) archive and attach jar fileARTEFACT_NAME=hello-\$BUILD_NUMBER.tar.gz
 - e) attach log file to build



Additional Practice: install gradle wrapper and try to manipulate by tasks/commands

Report:

Email pattern: [MNT-CD-4]-FirstName-LastName

Contains: GitHub link, Plugin config, Job config, output (screenshot)

GitHub Repository:

https://github.com/MNT-Lab/build-t00ls/tree/kkarpau