

Experiment No. 2.3

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Branch: MCA - CCD

Semester: III

Subject Name: DevOps Process Automation Lab

UID: 22MCC20039

Section/Group: MCD-1/ Grp A

Date of Performance: 9th Oct 23

Subject Code: 22CAP-745

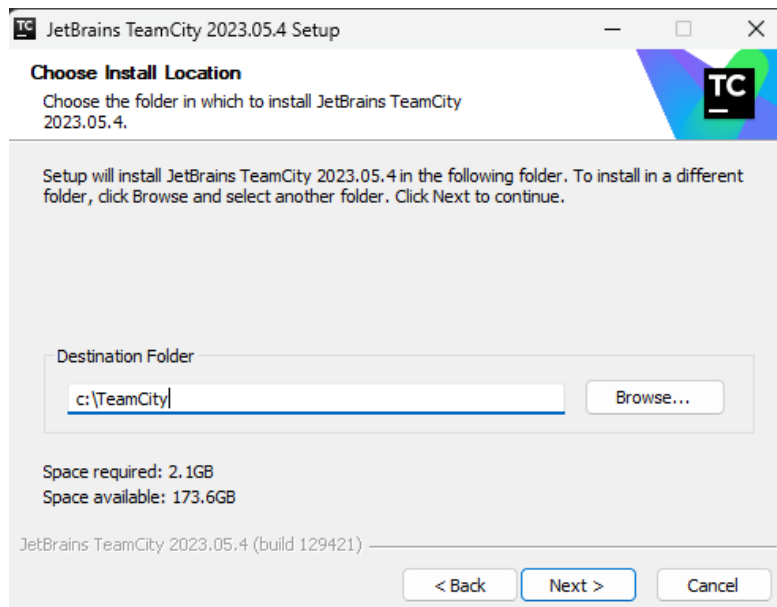
1. Aim/Overview of the practical:

- Install and configure TeamCity.
- Make sure you fork the SpringPetClinic repository in your GitHub and connect that repository with TeamCity.
- Create a new project via TeamCity dashboard and build all the 9 goals of Maven.

Code for practical:

A.

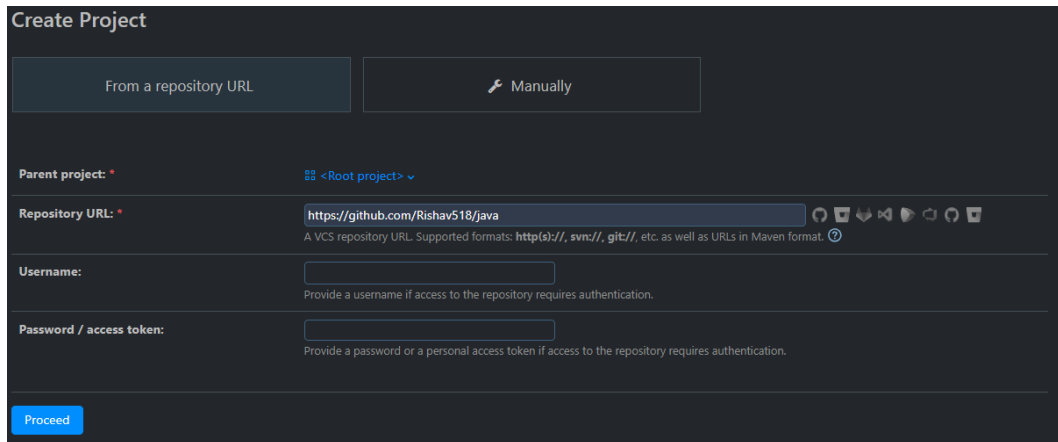
- Open JetBrains website and search Teamcity and download.
- Open installer and click on next and select path of software.



- Select port for localhost on which it will be 8111 by default.
- Click on use system user and click on ok.
- Run Teamcity on localhost:8111

B.

- Open Github and fork repository.
- Open **Teamcity > Projects > New**.
- Click on from a Repository and enter github repository link.



Create Project

From a repository URL | Manually

Parent project: * <Root project> v

Repository URL: * A VCS repository URL. Supported formats: http(s)://, svn://, git://, etc. as well as URLs in Maven format.

Username: Provide a username if access to the repository requires authentication.

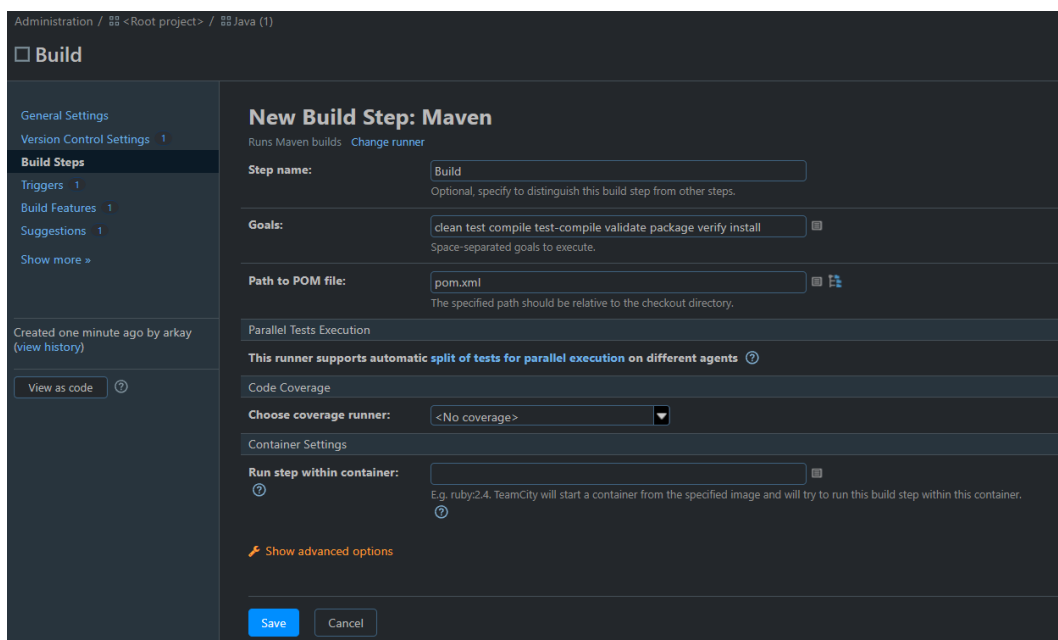
Password / access token: Provide a password or a personal access token if access to the repository requires authentication.

Proceed

- Enter username and password if repo is private.
- Click on proceed.
- Enter name and branch and click on create button

C.

- Click on Build steps from left sidebar and click on add and search maven.
- Add build step name as Build and enter all 9 goals of maven.



Administration / <Root project> / Java (1)

Build

General Settings | Version Control Settings 1 | **Build Steps** | Triggers 1 | Build Features 1 | Suggestions 1 | Show more >

Created one minute ago by arkay (view history)

View as code ⓘ

New Build Step: Maven
Runs Maven builds | Change runner

Step name: Optional, specify to distinguish this build step from other steps.

Goals: Space-separated goals to execute.

Path to POM file: The specified path should be relative to the checkout directory.

Parallel Tests Execution

This runner supports automatic **split of tests for parallel execution on different agents** ⓘ

Code Coverage

Choose coverage runner: <No coverage> v

Container Settings

Run step within container: ☒ ⓘ E.g. ruby:2.4. TeamCity will start a container from the specified image and will try to run this build step within this container.

Show advanced options

Save Cancel

- Click on save and click on run.
- Project will be build in some moments.



The screenshot displays the TeamCity web interface. The top navigation bar includes links for Projects, Changes, Agents, and Queue. The left sidebar shows a tree view of the project structure, including Java (1) and its sub-items. The main content area shows the details of a build for Java (1) at 17 Oct 13:44. The build status is 'Success'. The build log shows the following steps: Updating sources: auto ch... Step 1/1: Build (Maven) 10s Publishing internal artifacts < 1s. The build duration is 23s. The bottom of the interface shows the TeamCity Professional version and copyright information.

***** THE END *****