**Jenkins – Git**

**Jenkins**

In this project, Jenkins installed. The project is created using github link. There are two projects: Git\_sample\_build and sample\_test.

1. Update

A screenshot of a computer

Description automatically generated

1. We need to install java

Graphical user interface, text

Description automatically generated

1. To check whether java installed or not by verifying version.

Text

Description automatically generated

1. We need to install maven.

Graphical user interface, text

Description automatically generated

1. To check whether maven is installed or not.

Text

Description automatically generated

1. To check whether git installed or not.

Graphical user interface, text, application

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1. Now, installing Jenkins.

A screenshot of a computer

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Graphical user interface, text

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1. Now, running Jenkins.war file to open Jenkins in the browser.

Graphical user interface, text

Description automatically generated

1. Copy Password

Text

Description automatically generated

1. Now open Jenkins with ip address (EC2 public ip) with port number (8080) and paste password generated above.

Graphical user interface, text, application

Description automatically generated

1. Click on “Install suggested plugins”.

Graphical user interface, application, PowerPoint

Description automatically generated

1. All the suggested plugins are installing.

Graphical user interface, application, Word

Description automatically generated

1. Click on “New Item”

Graphical user interface, text, application

Description automatically generated

1. Name of the project is “Git\_Sample\_Build”

Graphical user interface, text, application, email

Description automatically generated

1. Select “free style project”.

Graphical user interface, text, application, email

Description automatically generated

1. Install all plugins which are required to execute a project (Ex. Git)

Graphical user interface, text

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1. In the source code management select “Git” and paste the github path.

Graphical user interface, text, application, email

Description automatically generated

1. Specify whether master or main branch of github.

Table

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1. Select “Delete workspace before build starts”.

Graphical user interface, text, application, email

Description automatically generated

1. Click on Apply and Save.

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, application, email

Description automatically generated

1. Now, we are executing another project with name: sample\_test.

Graphical user interface, text, application, Teams

Description automatically generated

1. We should follow same process as above.

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, application

Description automatically generated

1. Now, creating pipeline. Specify any name.

Graphical user interface, text, application, Teams

Description automatically generated

1. Click on create.

Graphical user interface, text, application, email, Teams

Description automatically generated

1. Successfully installed Jenkins and created pipeline.

Graphical user interface, application, website

Description automatically generated

**Git (Source Code Management)**

1. Git initialization

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1. Creating files in that folder.

A screenshot of a computer

Description automatically generated with medium confidence

1. Git status

A screenshot of a computer

Description automatically generated with medium confidence

1. Executing git status after creating one more file in that folder.

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

1. Modifying some content in the file.

A screenshot of a computer

Description automatically generated

1. Git commit

A screenshot of a computer

Description automatically generated

1. See the log file by executing: git log --oneline

A screenshot of a computer

Description automatically generated

1. Commit second time.

A screenshot of a computer

Description automatically generated

1. Git log --oneline

A screenshot of a computer

Description automatically generated with medium confidence

1. Login github and create a new repository.

A screenshot of a computer

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

1. In the cli execute add command to push into the github. (specify github newly created url).

Graphical user interface, text, application

Description automatically generated

1. Push command execution.

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

1. Then our files uploaded (pushed) to the github repository.

A screenshot of a computer

Description automatically generated