Practice for Lesson 2: Build and Run Jobs on Jenkins

Practices for Lesson 2

Overview

In these practices, you will build and run a job on Jenkins. Further, schedule a job to execute periodically and also integrate GitHub repository source code with Jenkins job.

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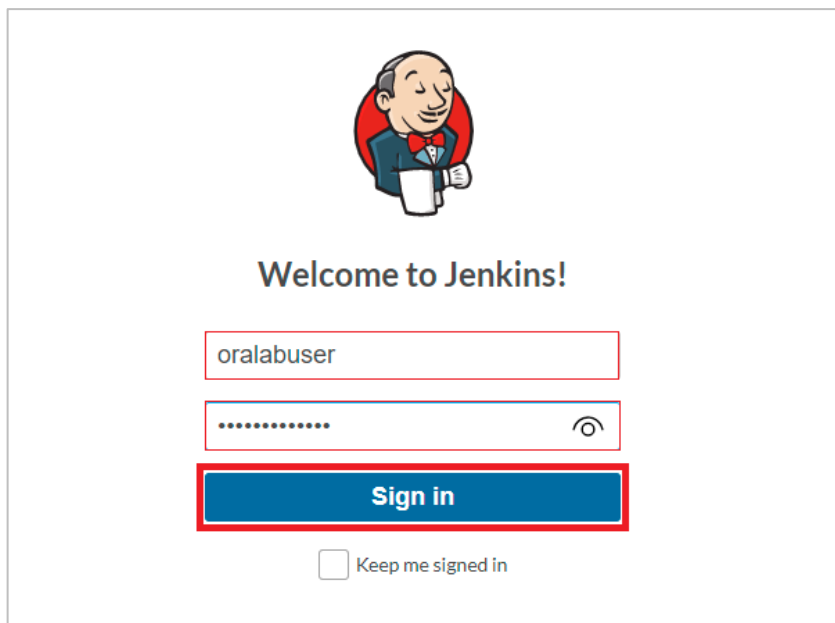# Practice 2-1: Build and Run a Job on Jenkins Instance

Overview

In this practice, you will learn how to build and run a Job on Jenkins Instance installed in AWS EC2 Linux instance.

Assumptions

You should have completed the Practice of Lesson 1.

Tasks

1. Sign in to **Jenkins Instance Dashboard**.

    a. In a browser on your local machine, enter the **Public IP** address of the EC2 instance followed by the IP address to sign in to the Jenkins Dashboard (for example, **34.208.77.168:8080**).
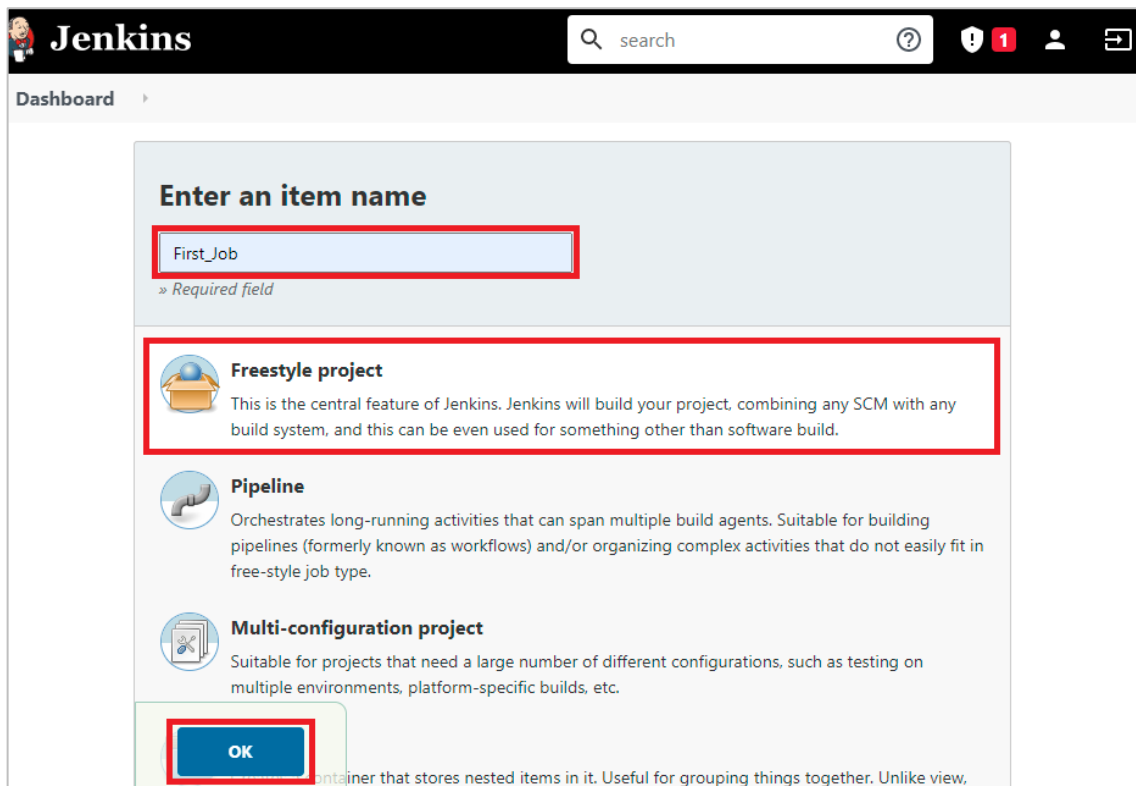

    b. Enter the user name and password provided.

    c. You will have access to the Jenkins Dashboard.

2. To build and run a job on Jenkins Instance.

    a. In the Jenkins Instance Dashboard, navigate to **Main menu** and select **New Item** to create a new job as shown below.
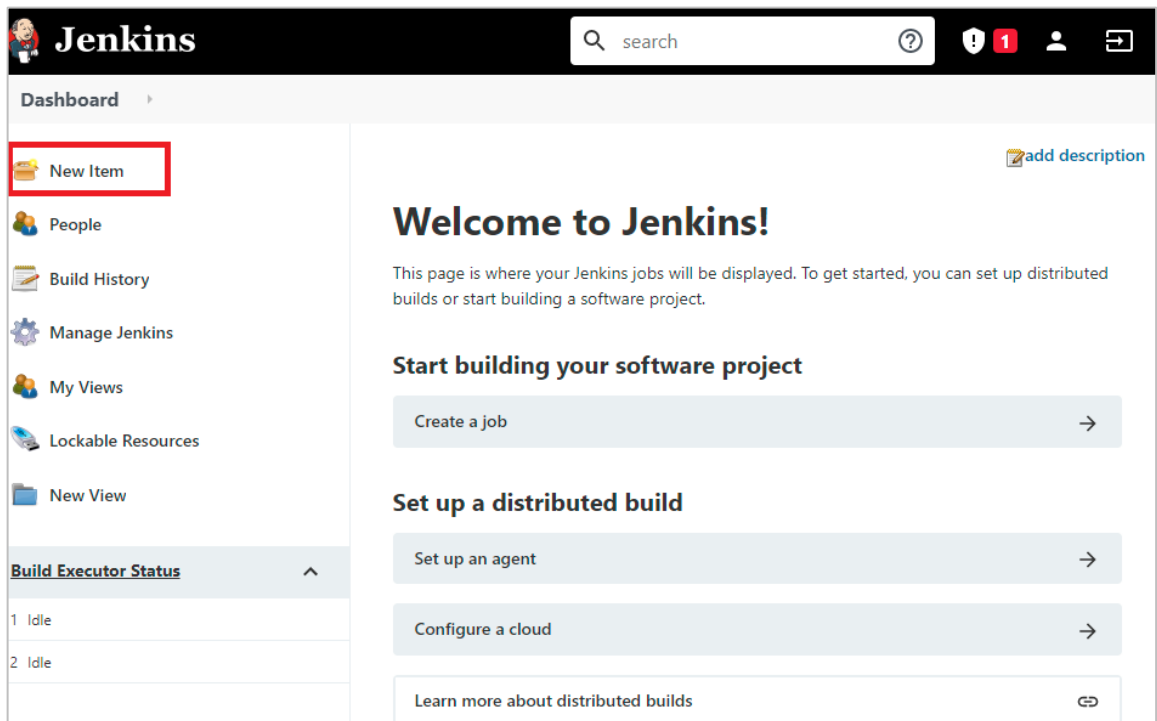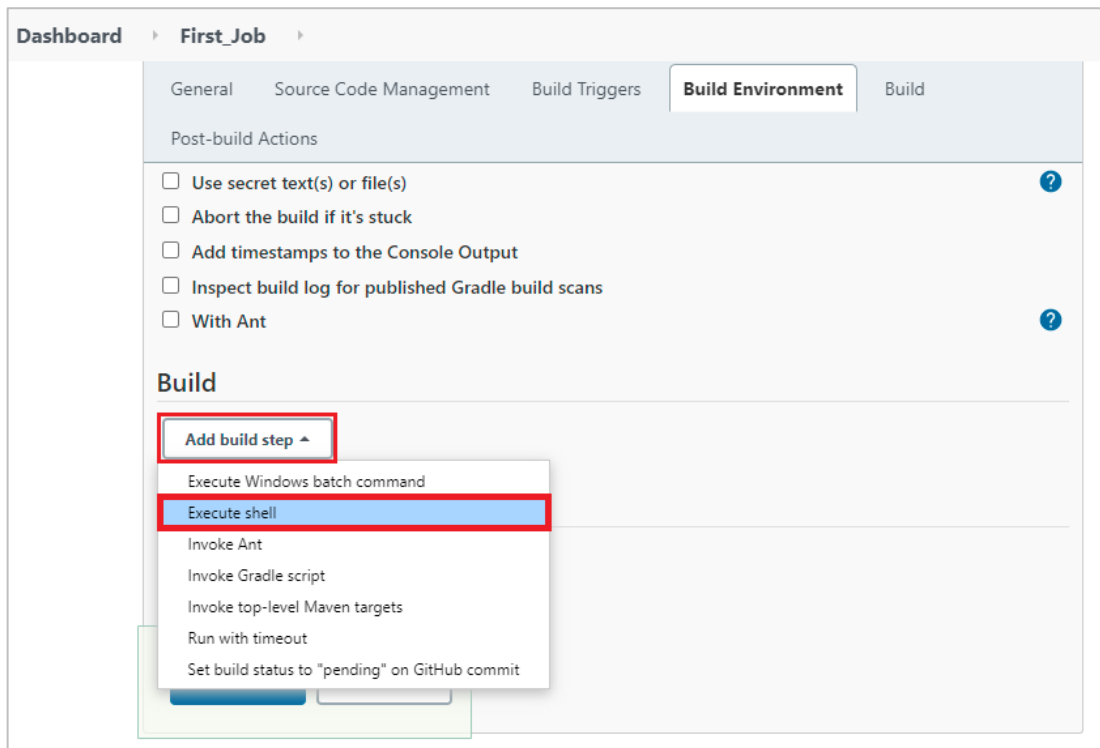
b. Provide the name for the new Job and select **Freestyle project** as shown below. Further, click **OK**.

c. As shown below, provide the **Description** for the New Job, which is an optional.

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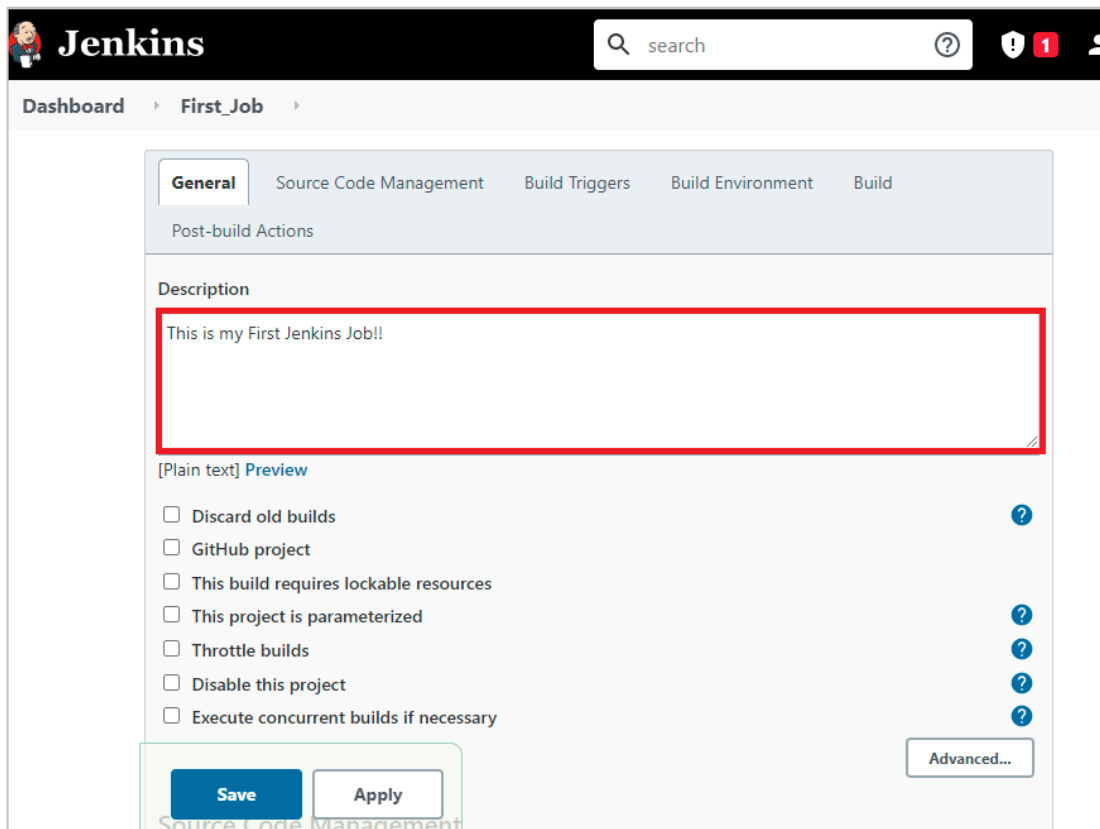
d. Scroll down to **Build** section**,** click **Add build step** and select **Execute shell** as shown below.

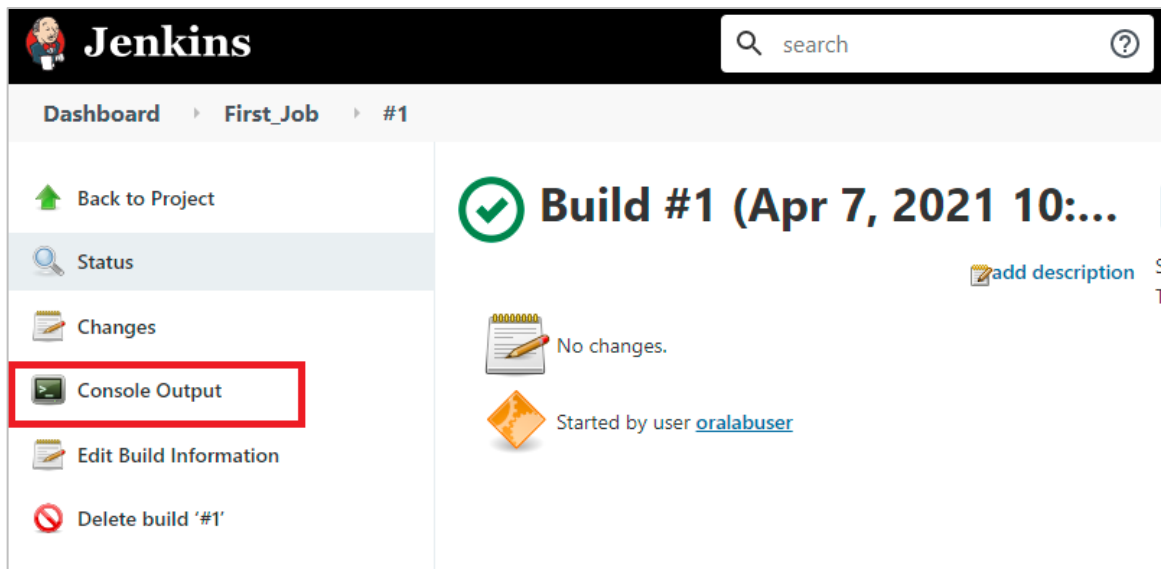e. In **Execute shell,** type the command as shown below and click **Save**.
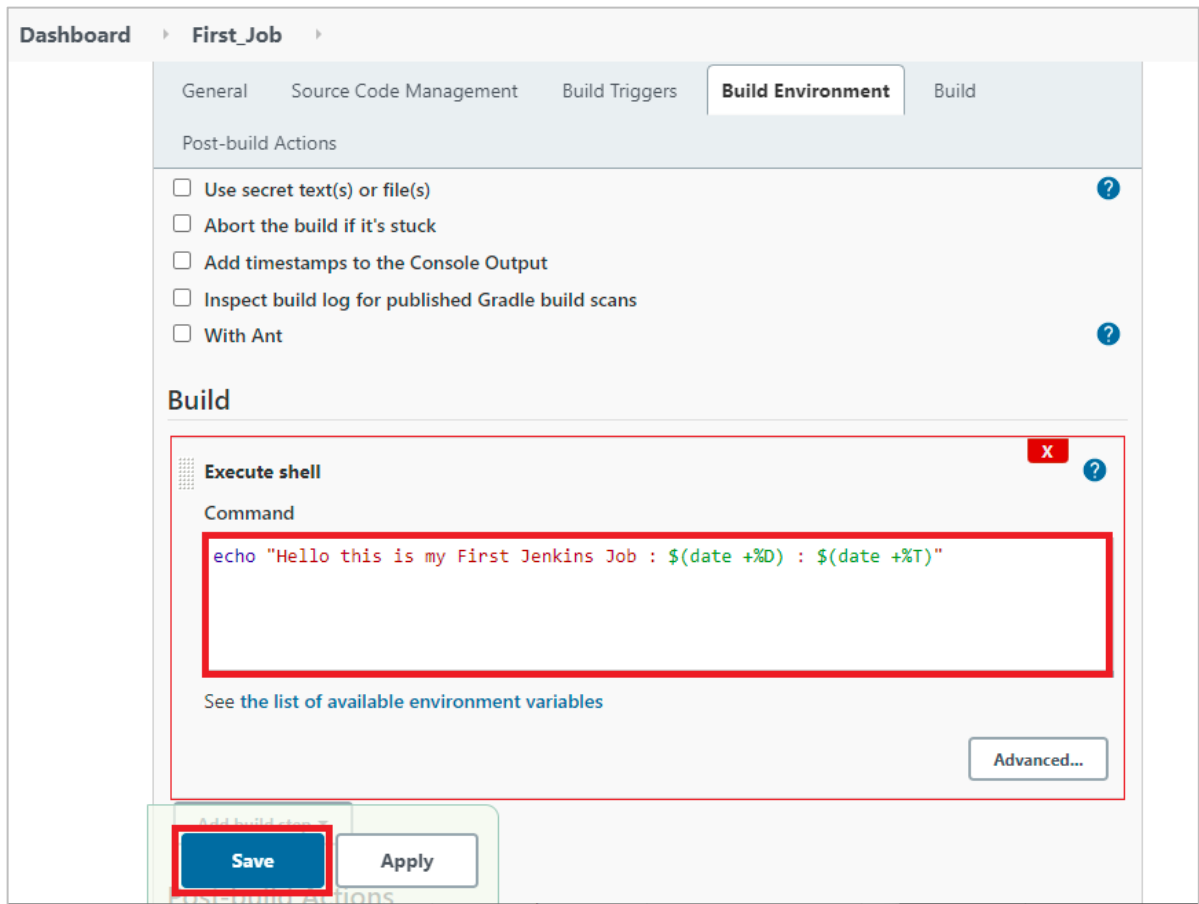
f. The project is created as shown below, select **Build Now** to build the job in Jenkins.

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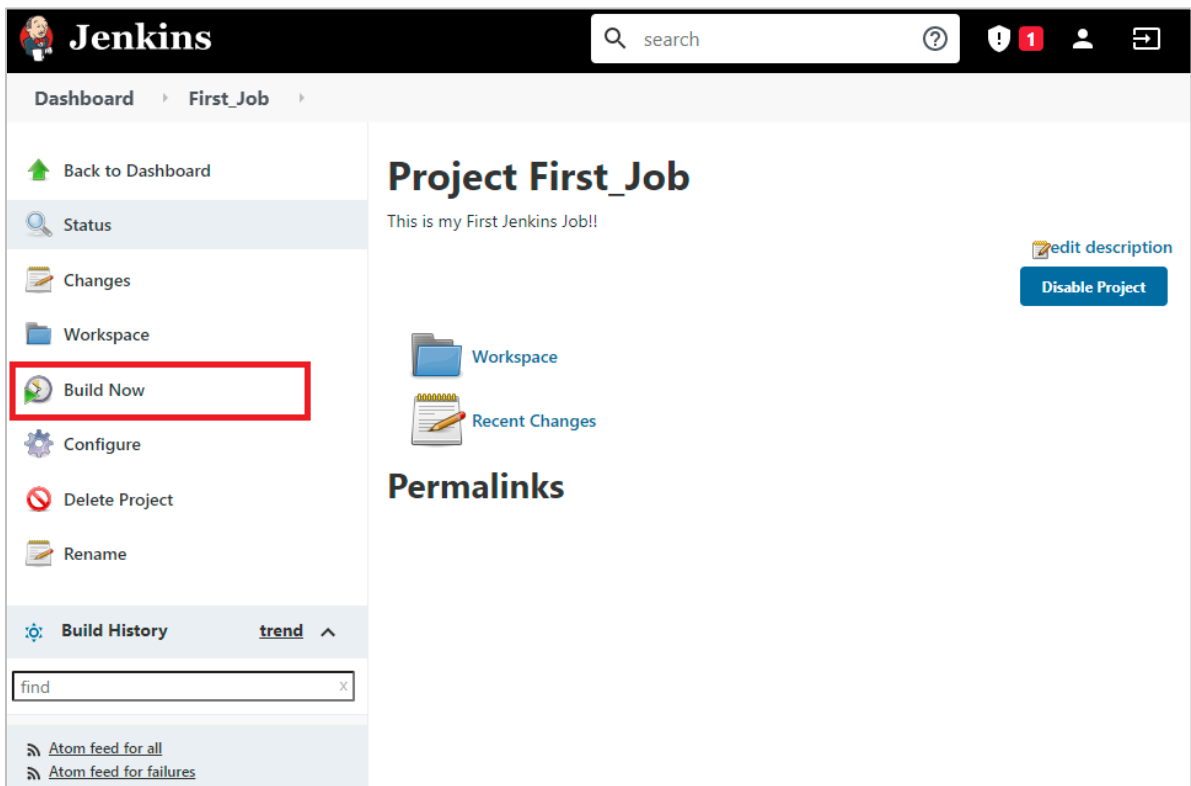
g. In the left bottom corner, click on the build created under **Build History** as shown below.
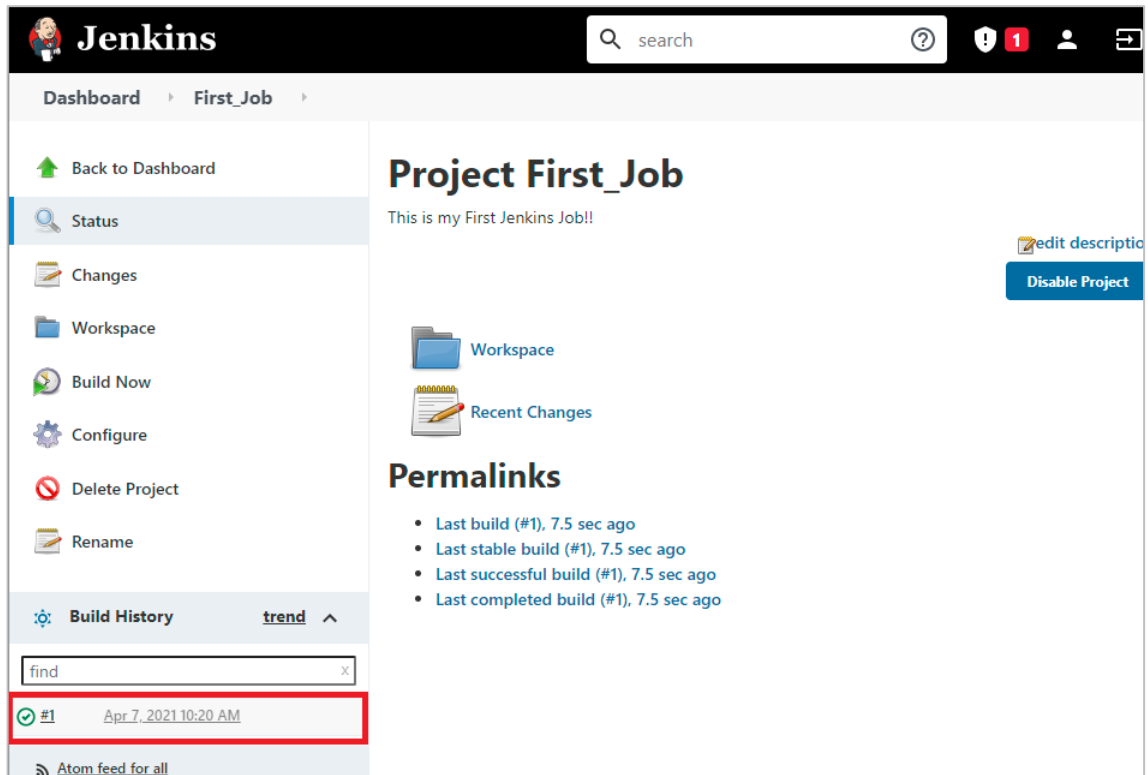
h. In the **Build** page, click **Console Output** to view the output of the job.

i. The Console output is displayed as shown below. The command provided in the job is executed successfully and the path of the workspace for this job in the instance is also provided.

3. Keep the Jenkins Dashboard and the AWS Management Console open for the next practice.

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