Lesson 07 Demo 02

Setting up Slack Channel for Configuring Build Notifications

Objective: To set up Slack channel for configuring build notifications for receiving updates about the build process

**Tools required:** Jenkins

Prerequisites: Slack account

Steps to be followed:

1. Log in to the Jenkins CI tool and create a freestyle job
2. Set up Slack channel
3. Configure Slack in Jenkins

Step 1: Log in to the Jenkins CI tool and create a freestyle job

1.1 Open the browser, go to the Jenkins **Dashboard** by typing **localhost:8080** in your browser, provide the credentials, and click the **Sign in** button
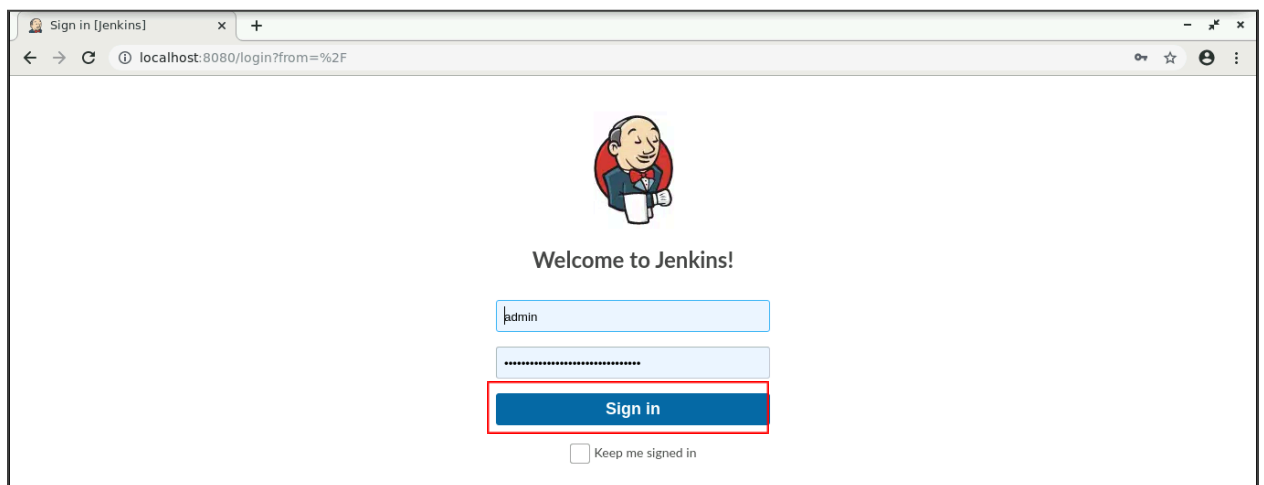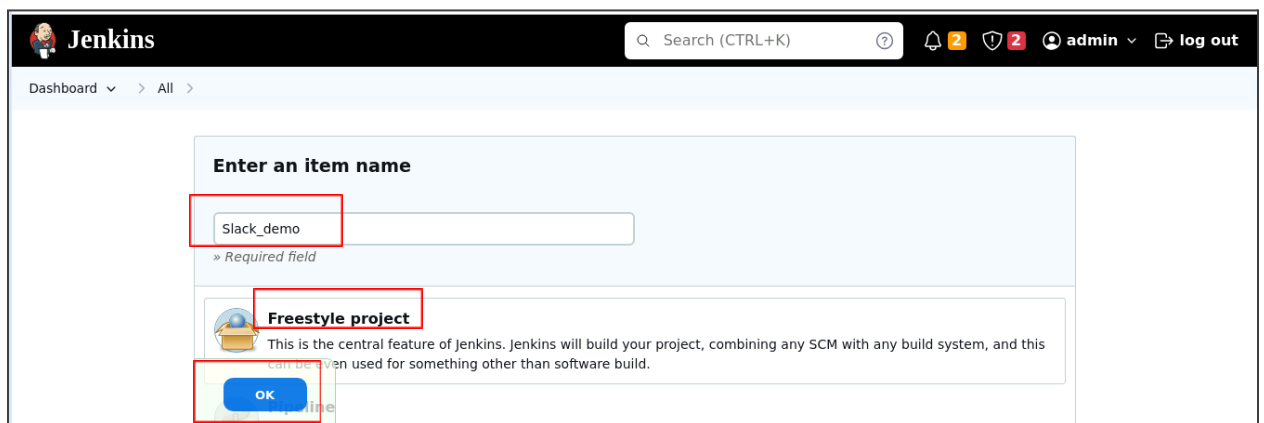

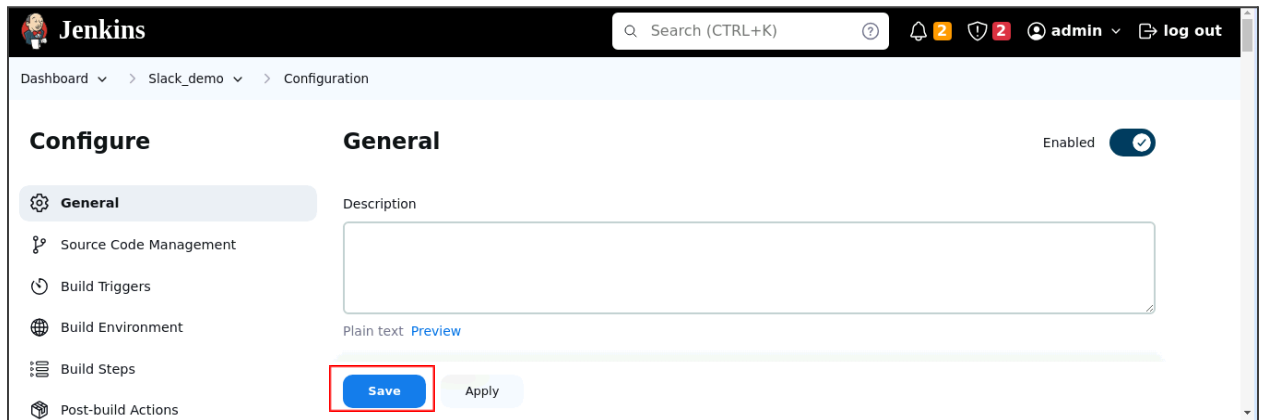**Note:** The credentials for accessing Jenkins in the lab are Username: **admin** and Password: **admin.**

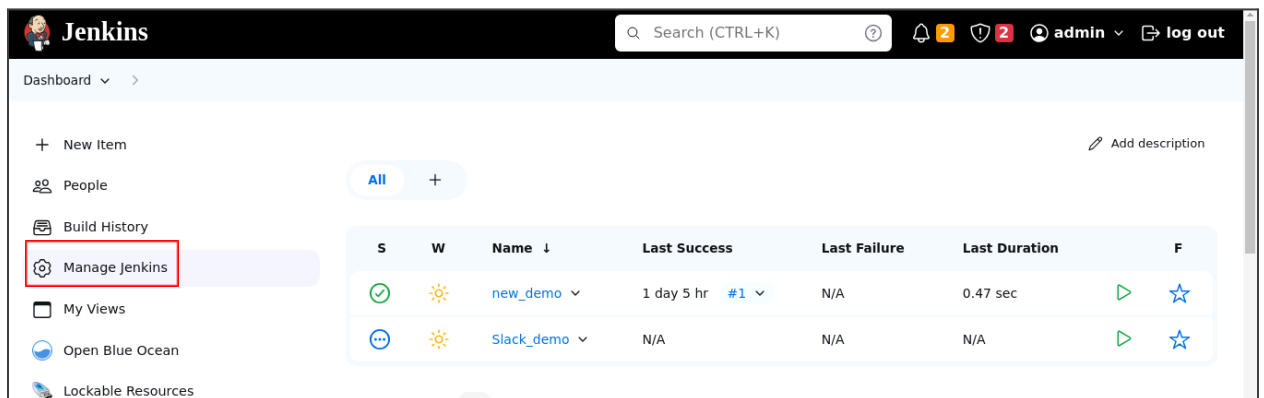1.2 Click on the **New Item** option as shown in the screenshot below:
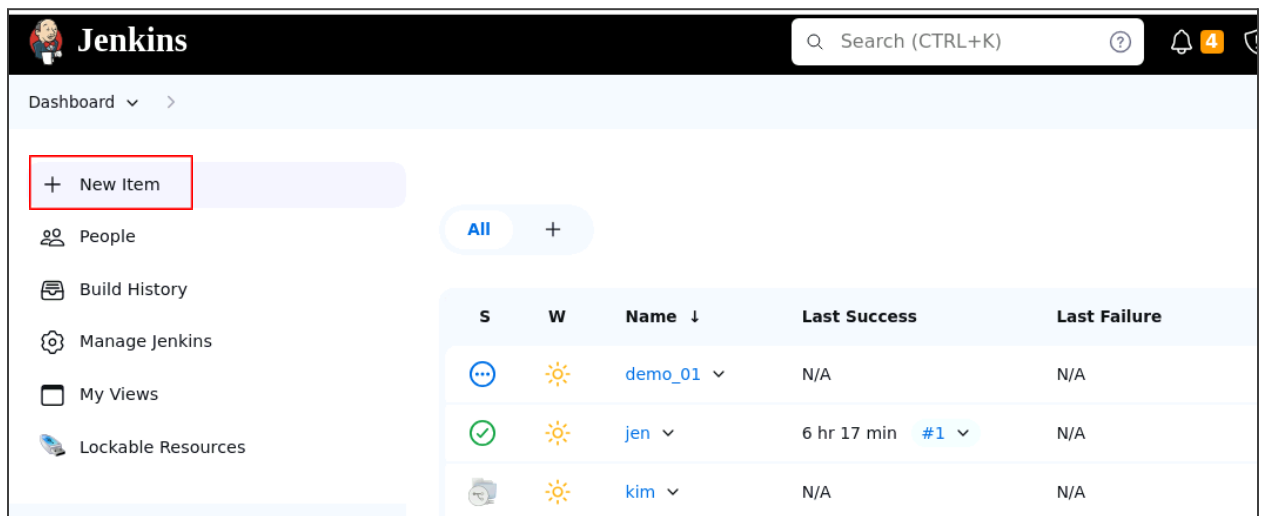
1.3 Enter a desired name for the project, select **Freestyle project**, and then click on **OK** as shown in the screenshot below:
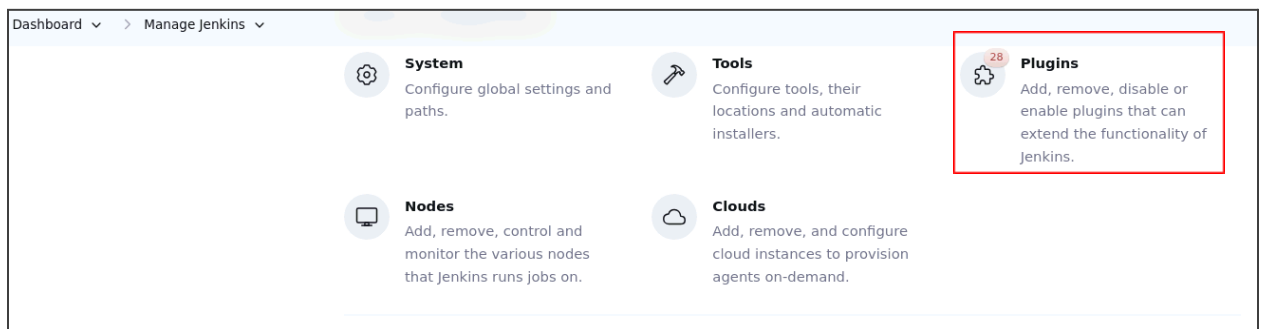
1.4 Click on **Save** button as shown in the screenshot below:
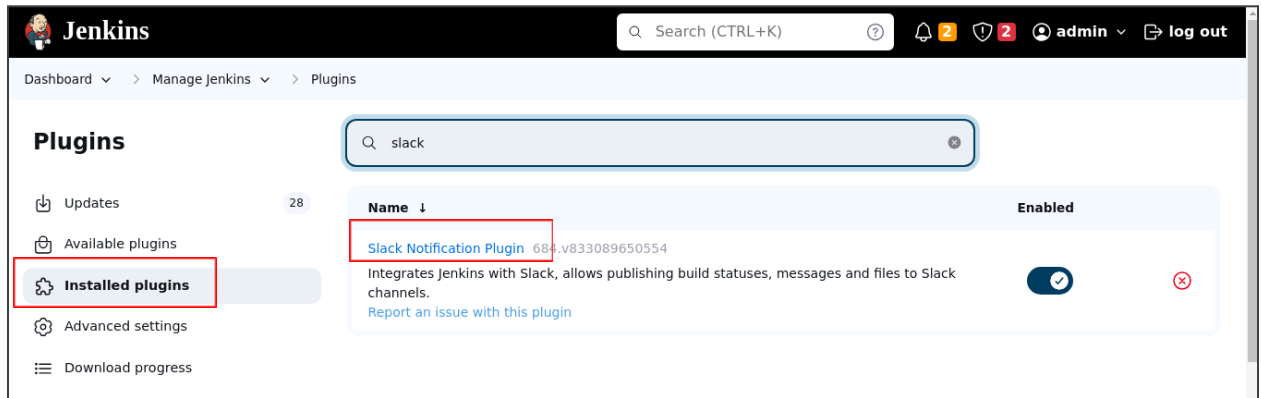

1.5 Click on **Manage Jenkins** as shown in the screenshot below:

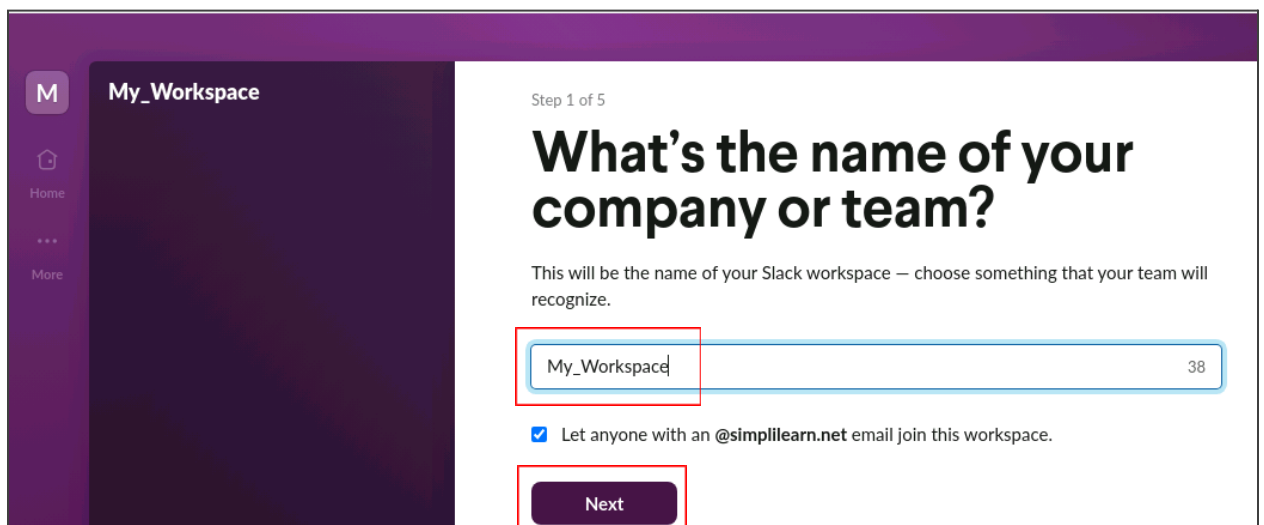1.6 Click on **Plugins** as shown in the screenshot below:

1.7 Click on **Installed plugins** to verify whether the **Slack Notification Plugin** has been installed

Note: Slack Notification Plugin is already installed in your practice lab environment. If not, click on **Available plugins** and search for **Slack Notification Plugin** and install it.

Step 2: Set up Slack channel

2.1   Open the browser, go to Slack, enter a desired name of your company or team, and then click on **Next** as shown in the screenshot below:

Note: Ensure that you create a personal Slack account using your personal email address to proceed

2.2 Enter a desired name for your profile and then click on **Next** as shown in the screenshot below:

2.3 Click on **Skip this step** as shown in the screenshot below:

Note: You can skip this step, as it is not necessary to add any coworker email in here.

2.4   Enter a desired channel name and then click on **Next** as shown in the screenshot below:

2.5   Click on **Start with Free** as shown in the screenshot below:

2.6 Click on the channel name that you have created as shown in the screenshot below:
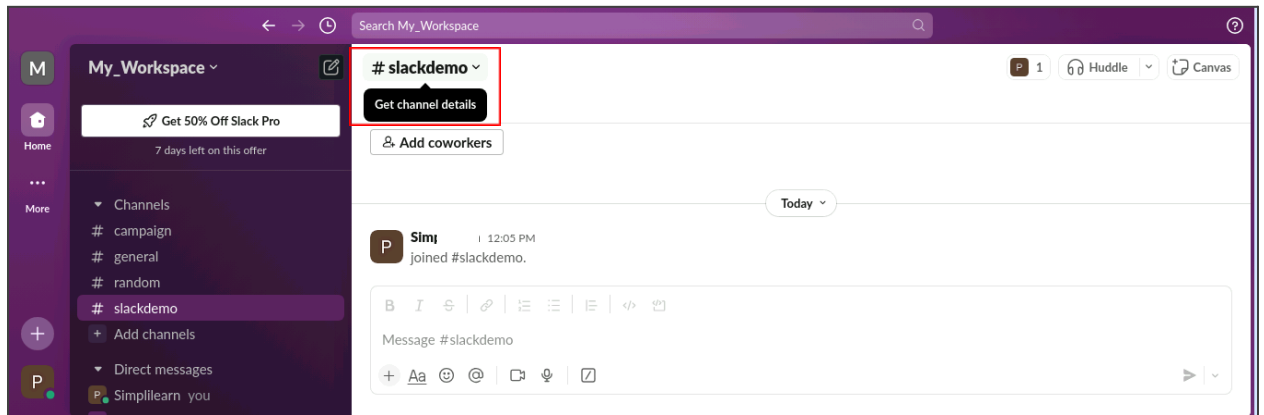
2.7 Click on **Integrations** as shown in the screenshot below:
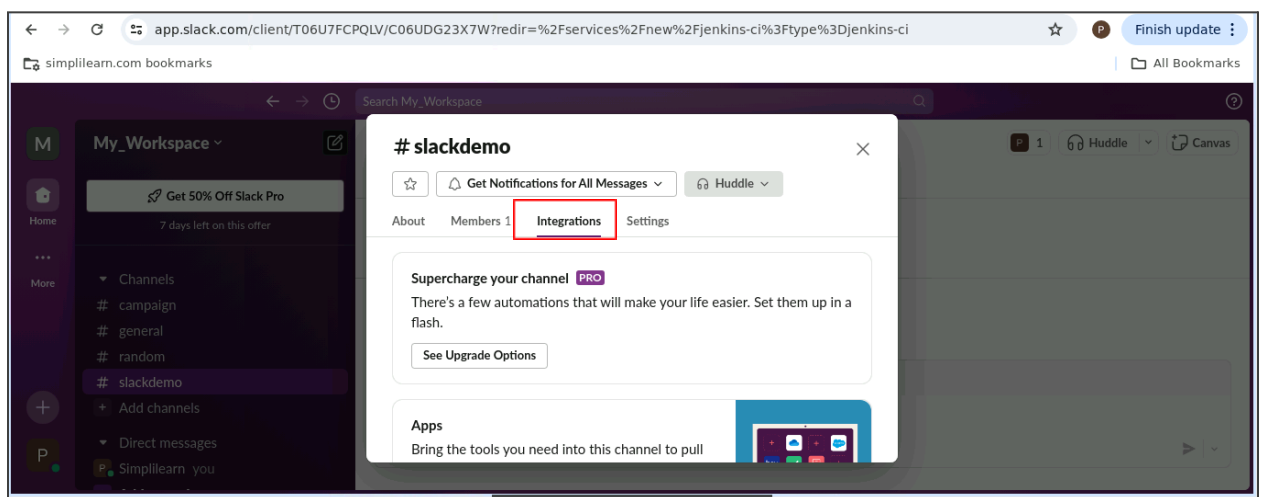
2.8 Click on **Add an App** as shown in the screenshot below:
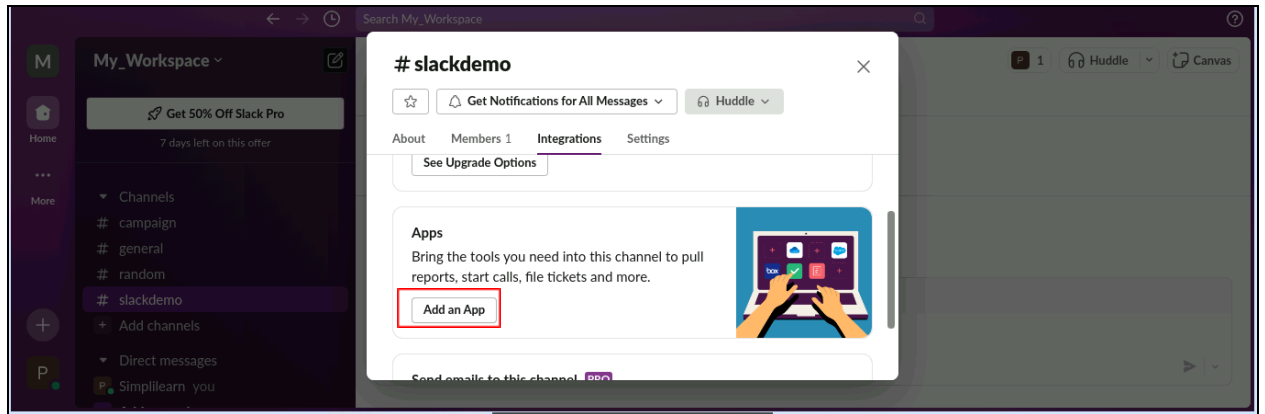
2.9 Search for Jenkins and then click on **Install** as shown in the screenshot below:
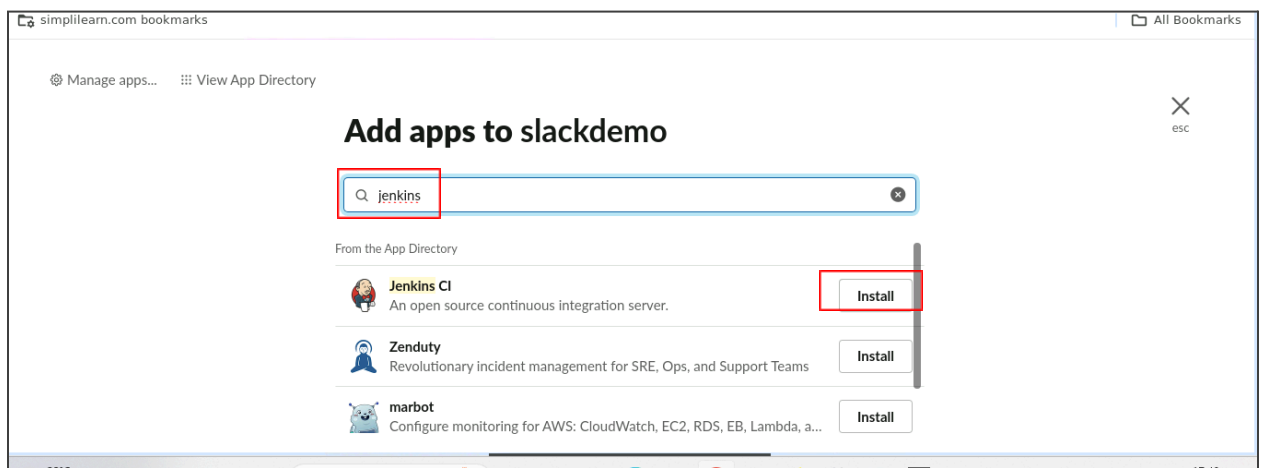
2.10   Click on **Add to Slack** as shown in the screenshot below
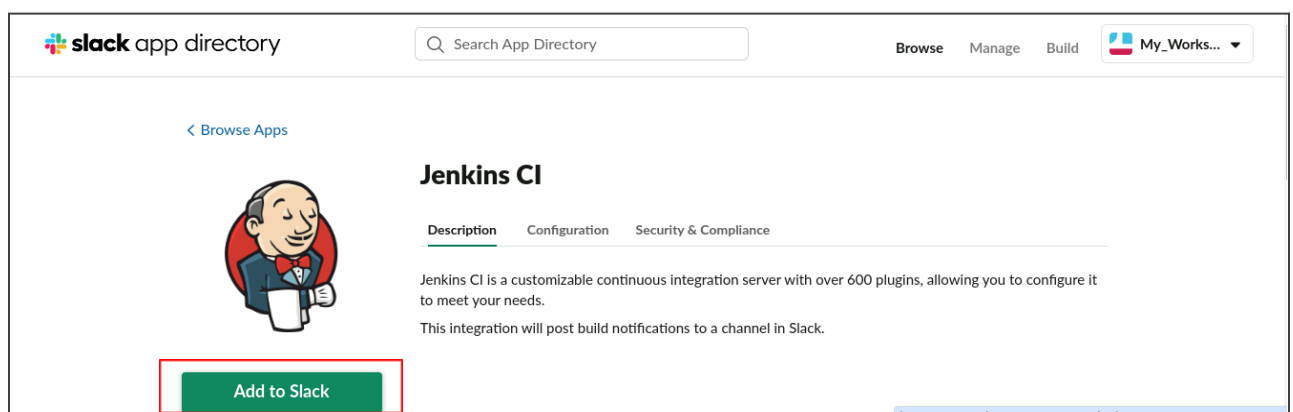
2.11   Click on the **Choose a channel…** drop-down, select the channel that you have created,

and then click on **Add Jenkins CI integration** as shown in the screenshot below:
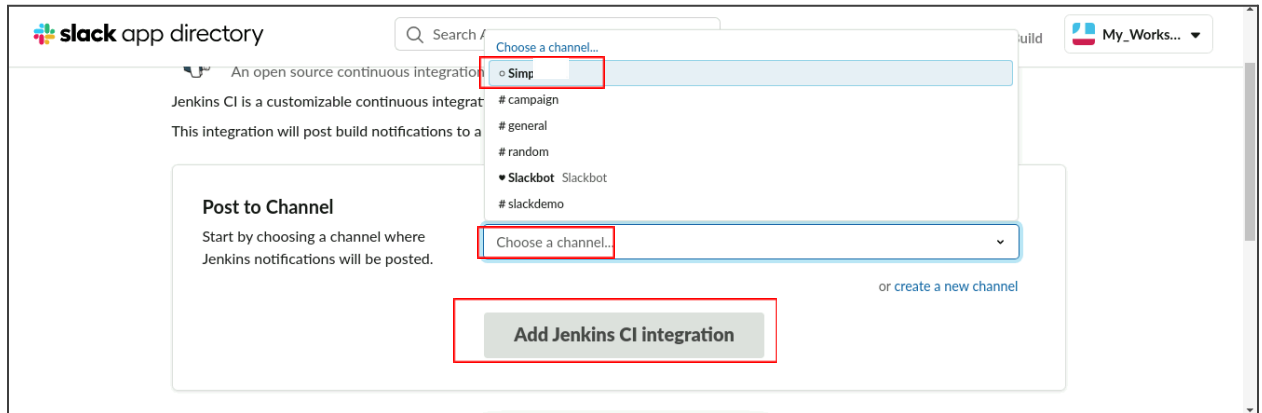
2.12   Scroll down to **Step 3** in the notifier page; you will see subdomain name and secret text

credential as shown in the screenshot below:
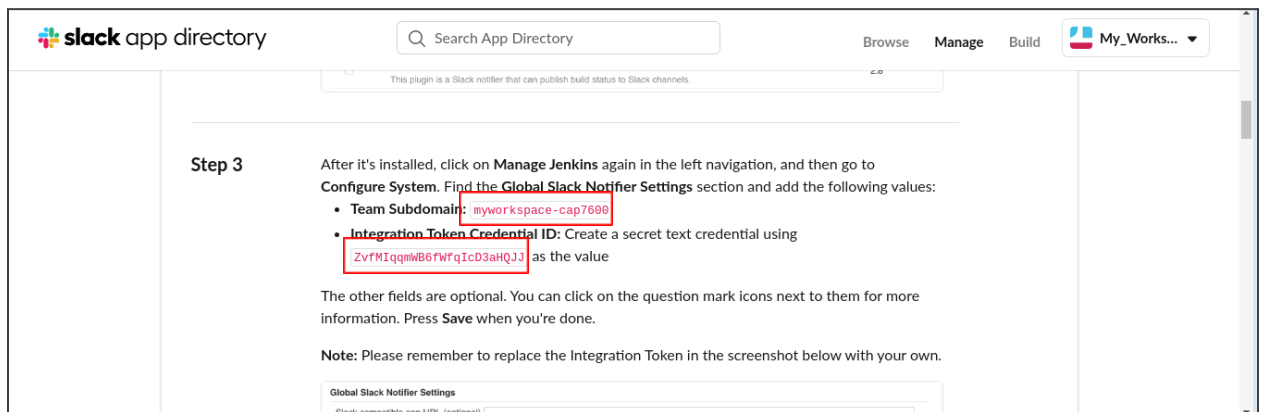
Note: Note down the subdomain and token credential for further steps

Step 3: Configure Slack in Jenkins

3.1   Navigate into your Jenkins **Dashboard** and click on the Freestyle job that you have created as shown in the screenshot below:

3.2   Click on **Configure** as shown in the screenshot below:

3.3 Click on **Post-build Actions** as shown in the screenshot below:

3.4 Click on **Add post-build action** drop-down and select **Slack Notifications** as shown in the screenshot below:
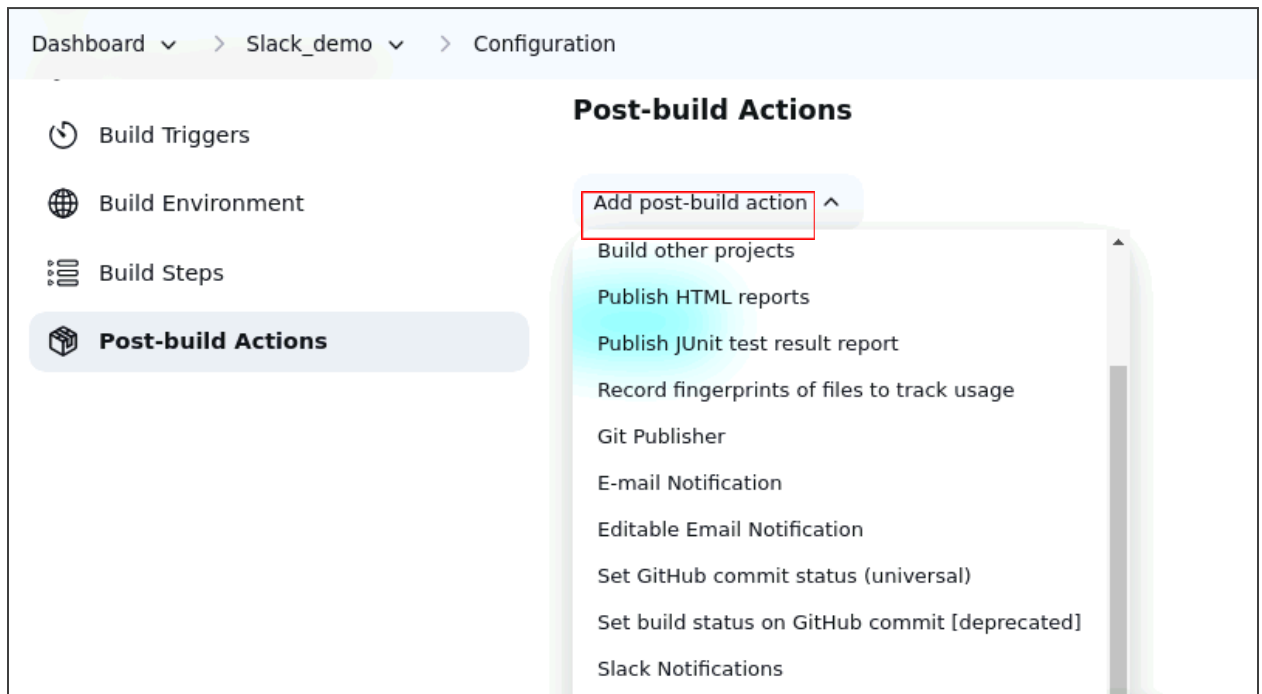
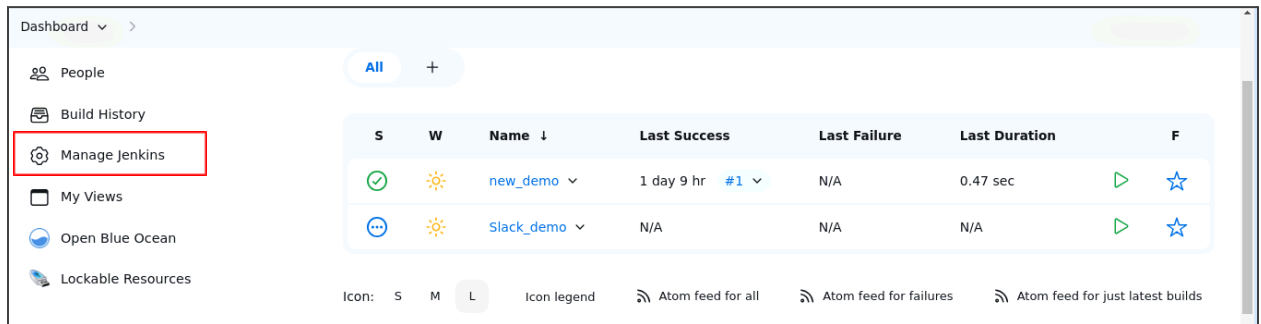3.5 Select the desired notifications and then click on **Save** as shown in the screenshot below:

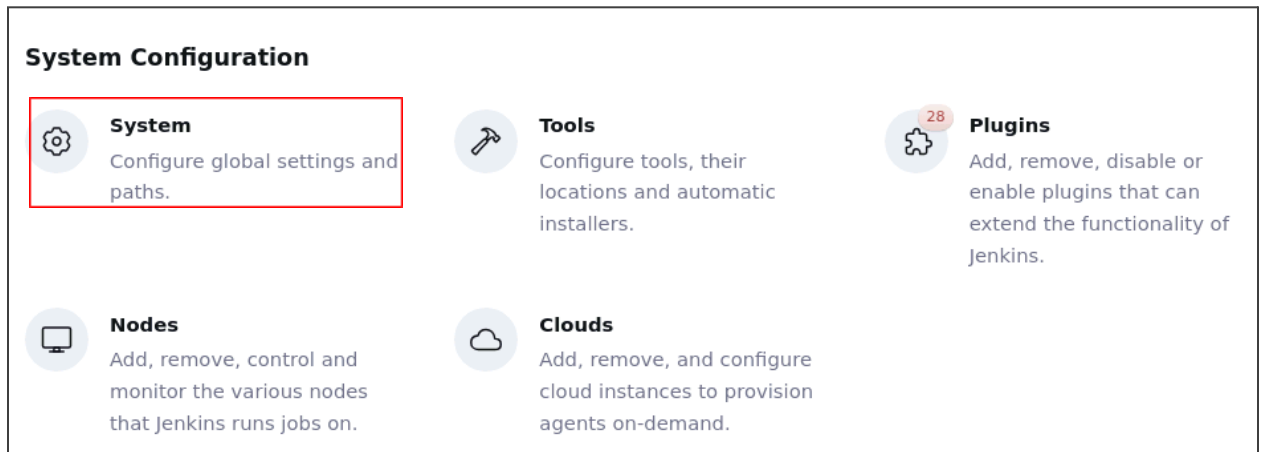3.6   Click on **Manage Jenkins** as shown in the screenshot below:

3.7   Click on **System** as shown in the screenshot below:

3.8   Scroll down to the bottom of the screen; under the **Slack** section, enter your workspace name, which is the Subdomain name, as shown in the screenshot below:

Note: Refer to the step 2.12 for Subdomain name

3.9   Click on **Add** as shown in the screenshot below:
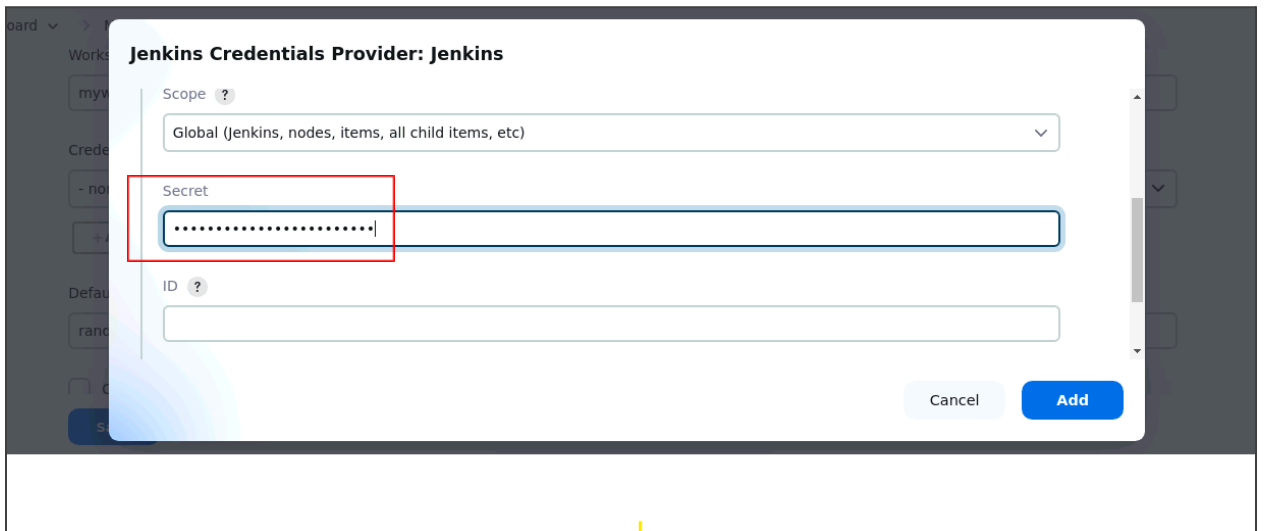
3.10   Click on **Jenkins** as shown in the screenshot below:

3.11   Choose **Secret text** under **Kind** section as shown in the screenshot below:
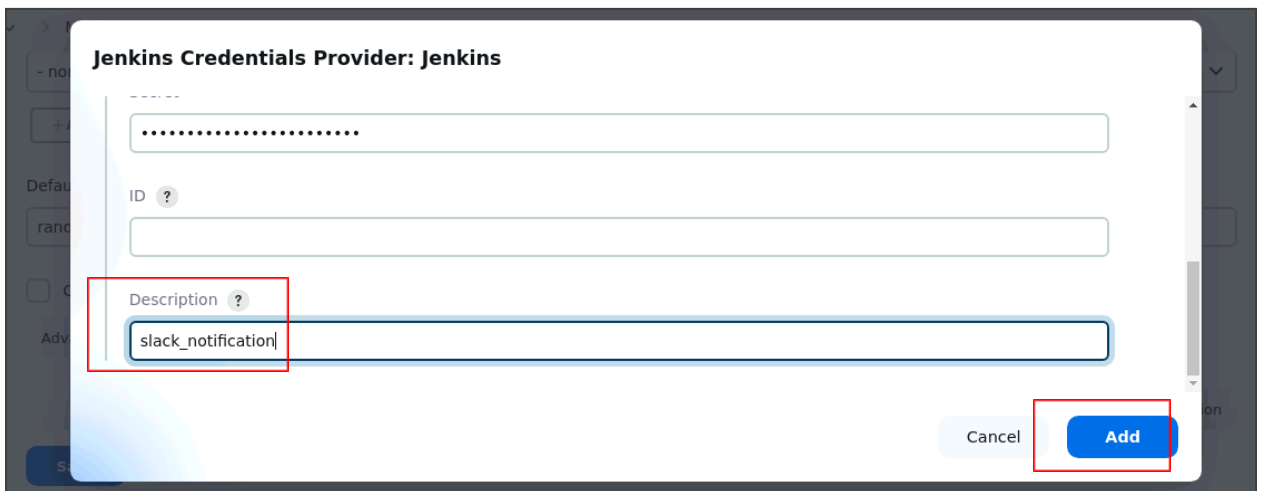
3.12   Enter the token credential under **Secret** section as shown in the screenshot below:

> **Note**: Refer to step 2.12 for token

3.13   Enter a desired name for **Description** and then click on **Add** as shown in the screenshot below:

3.14   Choose the credential name from the list that you have created as shown in the
screenshot below:

3.15   Enter the name of the channel that you have created and then click on **Apply** as shown in the screenshot below:

3.16   Click on **Test Connection** to verify that the status shows **Success,** and then click on **Save** as shown in the screenshot below:
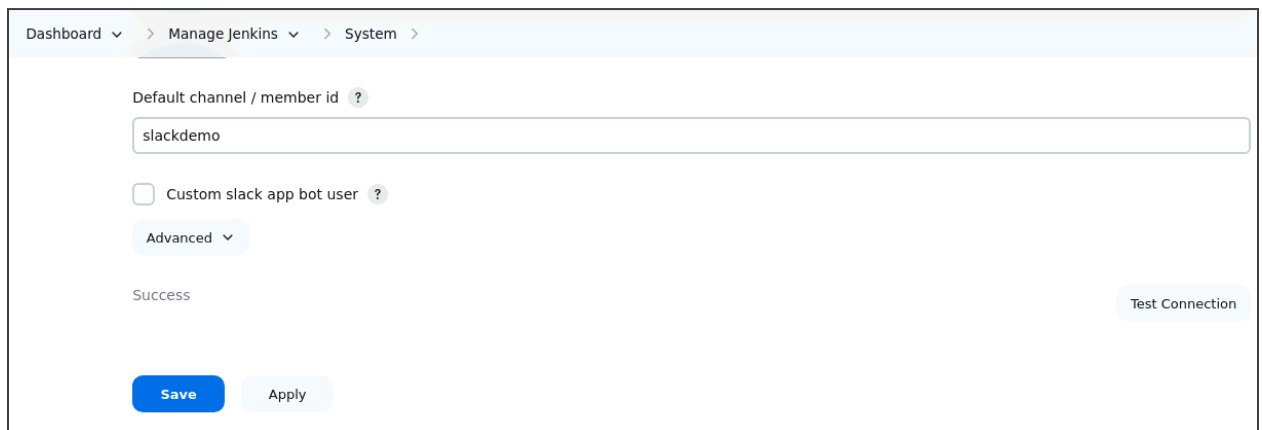
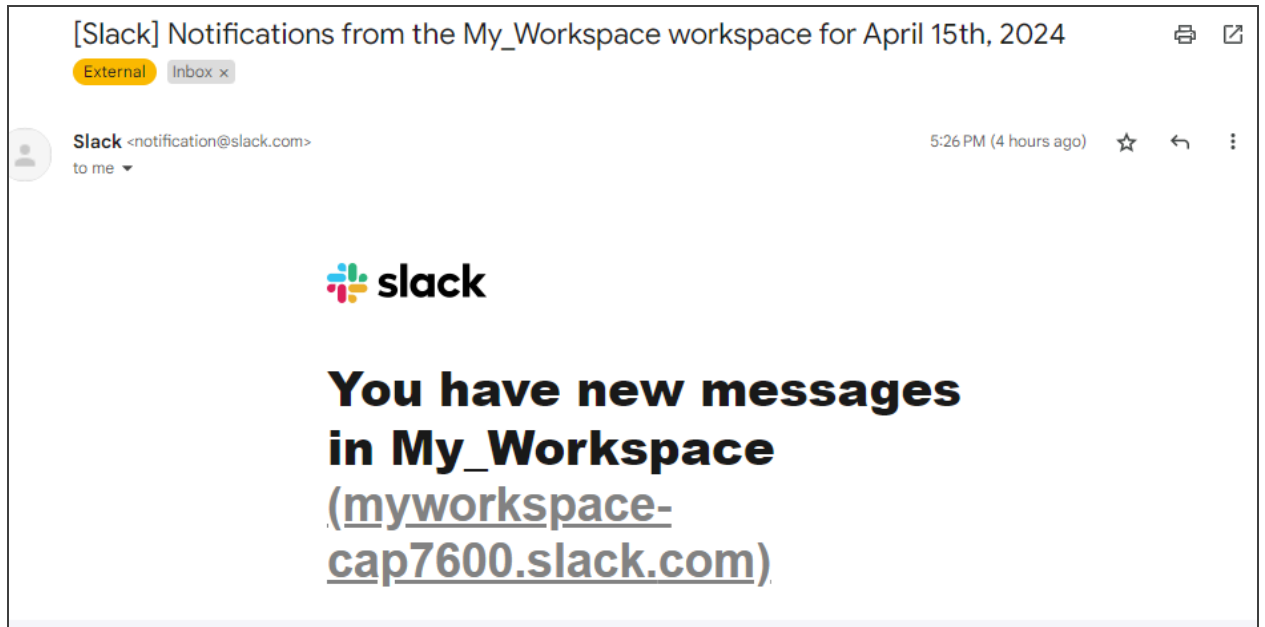3.17 Navigate to the slack channel that you have created and check the notification of Jenkins as shown in the screenshot below:
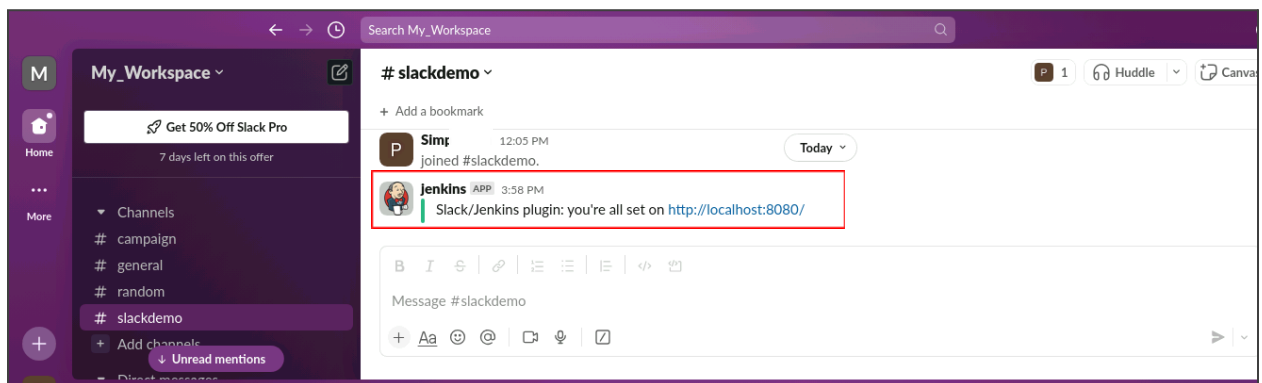
3.18 Check your mail inbox for the notification as shown in the screenshot below:

By following these steps, you have successfully set up Slack channel for configuring build notifications for receiving updates about the build process.