

Lesson 05 Demo 06

Setting up Custom SMTP to Send Email Notification

Objective: To configure SMTP email notification in Jenkins for sending automated notifications and alerts

Tools required: Jenkins

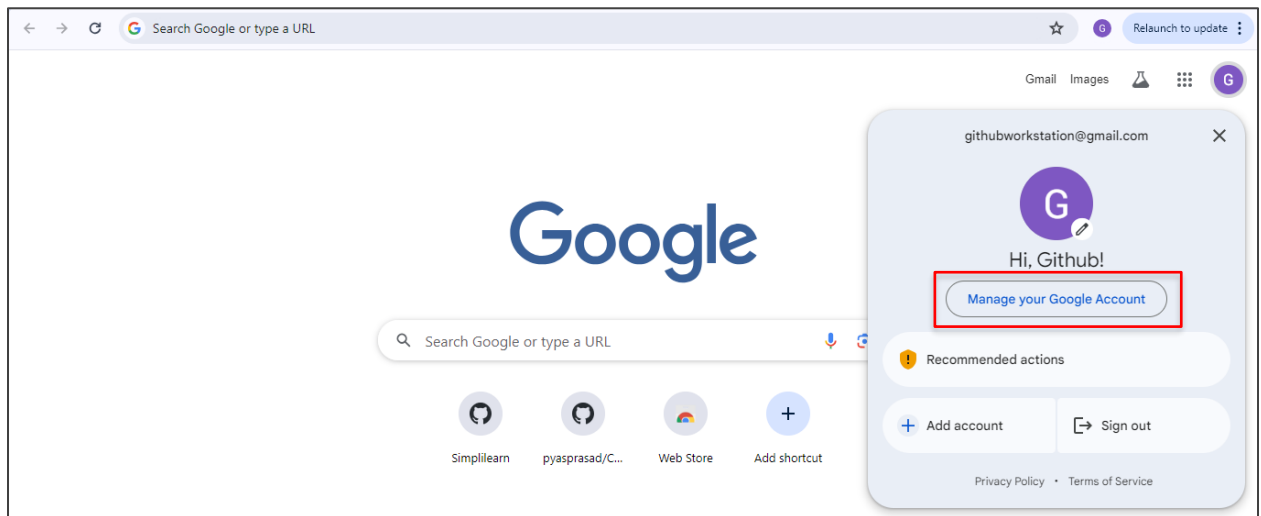
Prerequisites: Jenkins must be operational.

Steps to be followed:

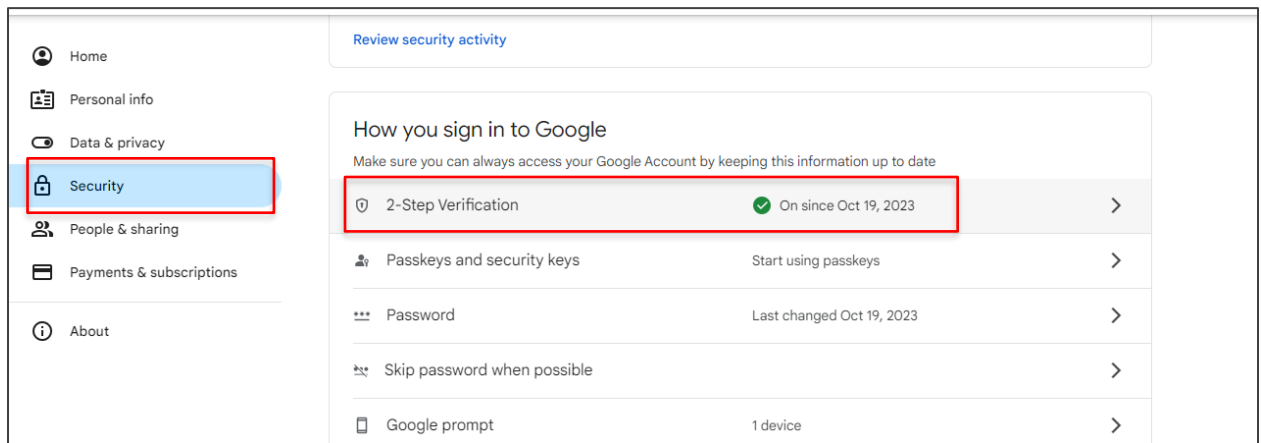
1. Create an app password for SMTP configuration
2. Configure SMTP configurations in Jenkins

Step 1: Create an app password for SMTP configuration

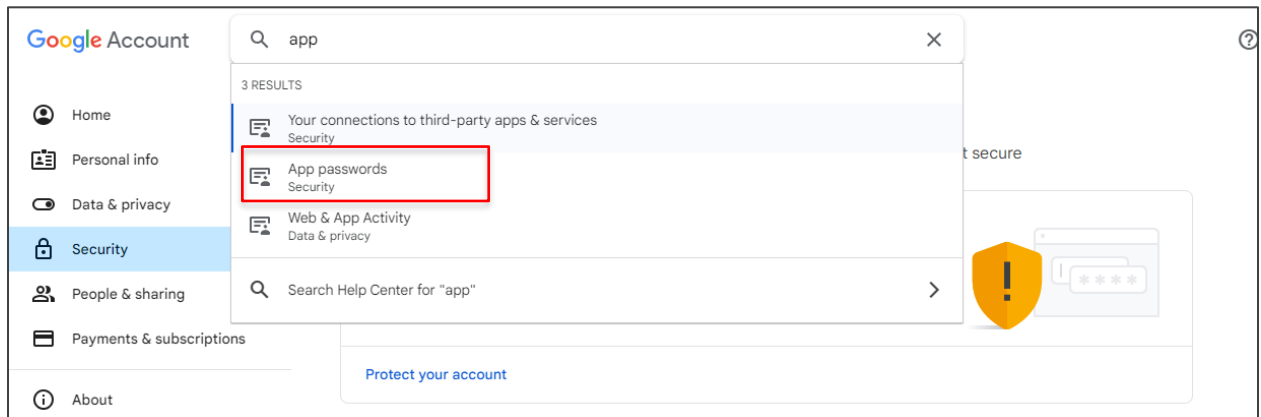
1.1 Navigate to your Google account and click on **Manage your Google Account**



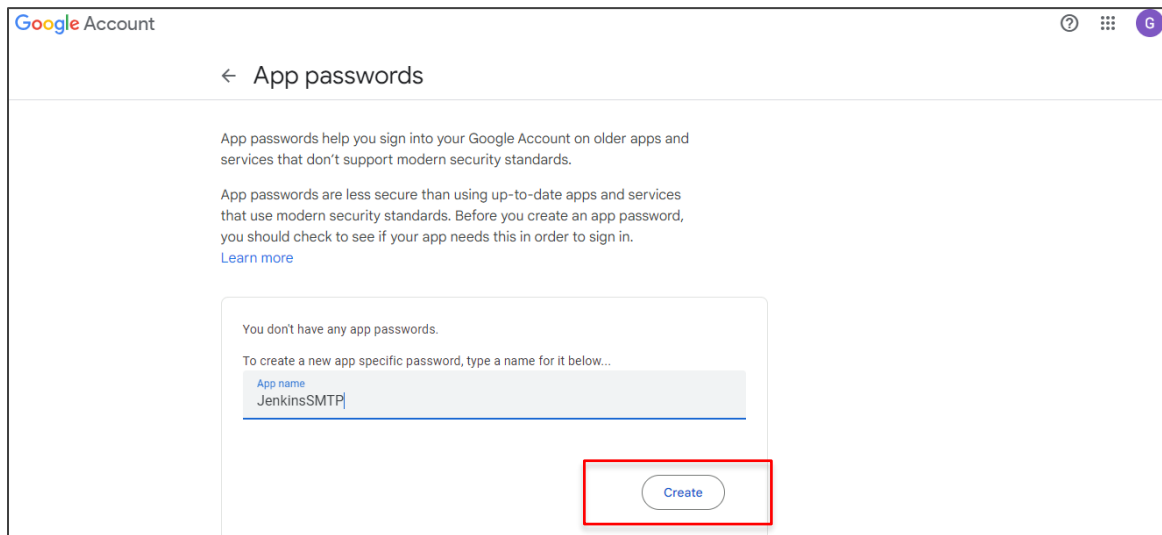
1.2 Now, navigate to **Security** and make sure you have **2-Step Verification** enabled



1.3 In **Security**, search for **App passwords** and click on it



1.4 Provide the app name as **JenkinsSMTP** and click on **Create**



Google Account

← App passwords

App passwords help you sign into your Google Account on older apps and services that don't support modern security standards.

App passwords are less secure than using up-to-date apps and services that use modern security standards. Before you create an app password, you should check to see if your app needs this in order to sign in.
[Learn more](#)

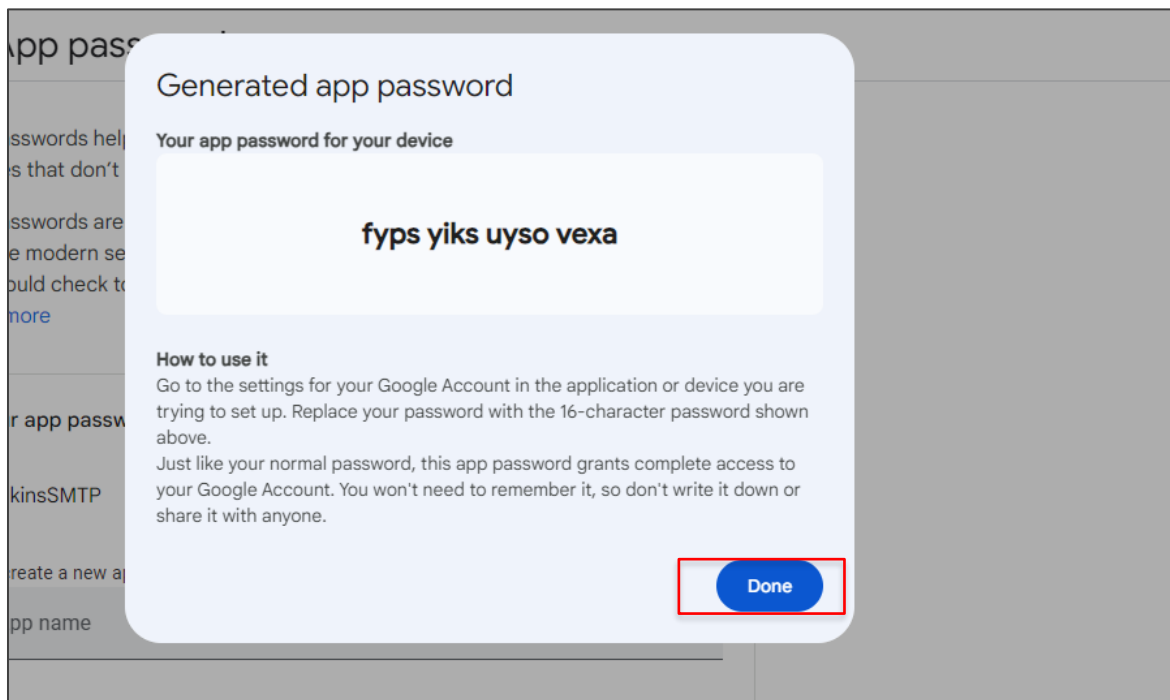
You don't have any app passwords.

To create a new app specific password, type a name for it below...

App name
JenkinsSMTP

Create

1.5 It will generate the app password. Copy the password and save it for future reference, then click on **Done**.



Generated app password

Your app password for your device

fyps yiks uyso vexa

How to use it

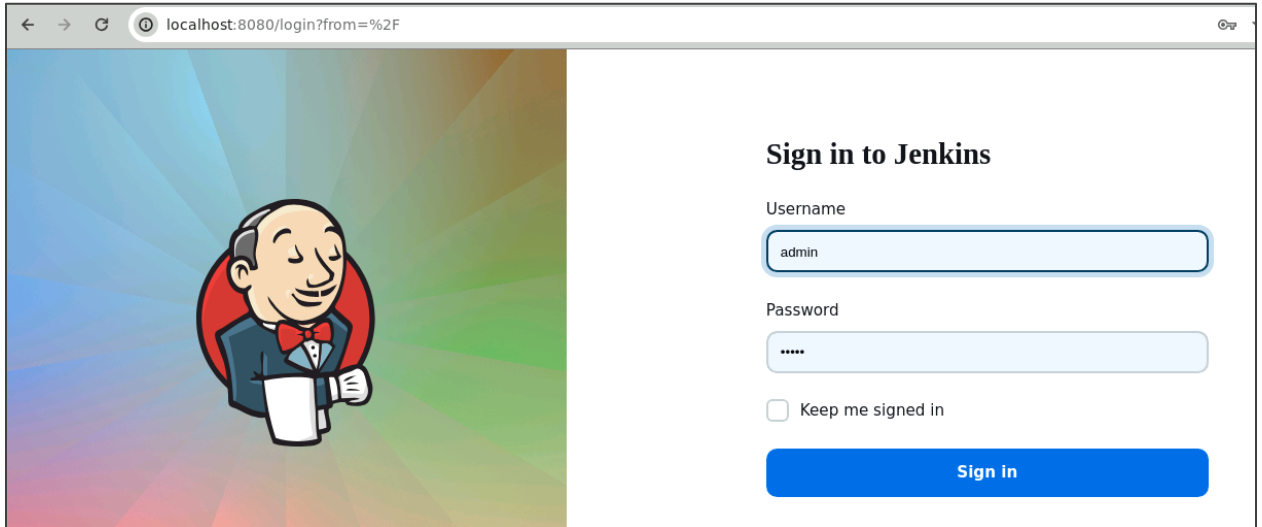
Go to the settings for your Google Account in the application or device you are trying to set up. Replace your password with the 16-character password shown above.

Just like your normal password, this app password grants complete access to your Google Account. You won't need to remember it, so don't write it down or share it with anyone.

Done

Step 2: Configure SMTP configurations in Jenkins

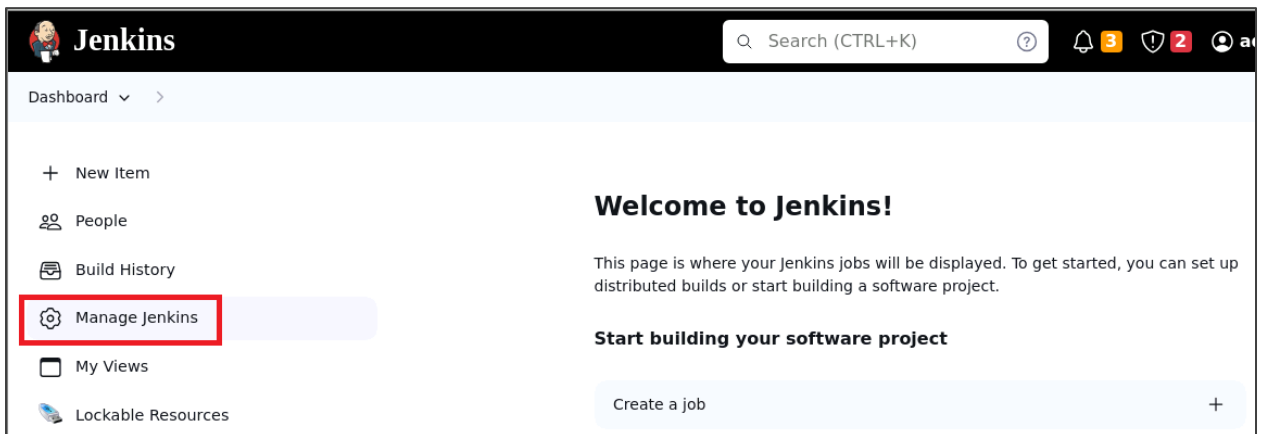
2.1 Sign in to Jenkins using your credentials



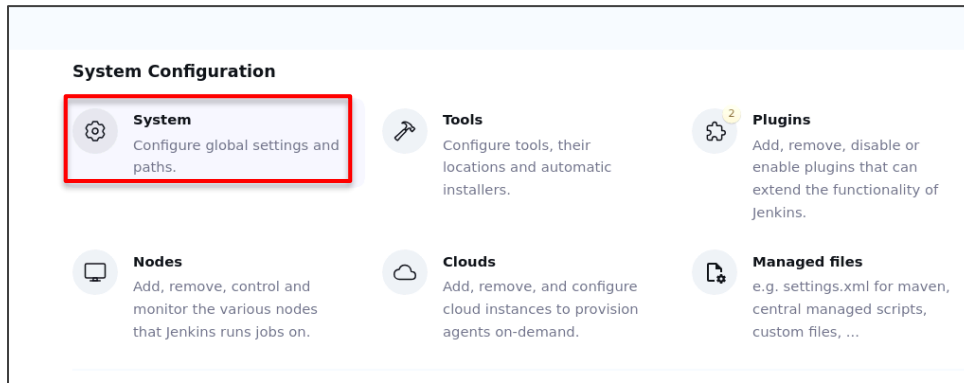
A screenshot of a web browser window showing the Jenkins login page. The address bar displays 'localhost:8080/login?from=%2F'. The page features a large illustration of the Jenkins mascot on the left and a login form on the right. The form includes fields for 'Username' (containing 'admin') and 'Password' (masked with dots). Below the password field is a checkbox for 'Keep me signed in' and a blue 'Sign in' button.

Note: The credentials for accessing Jenkins in the lab are Username: **admin** and Password: **Root123\$**.

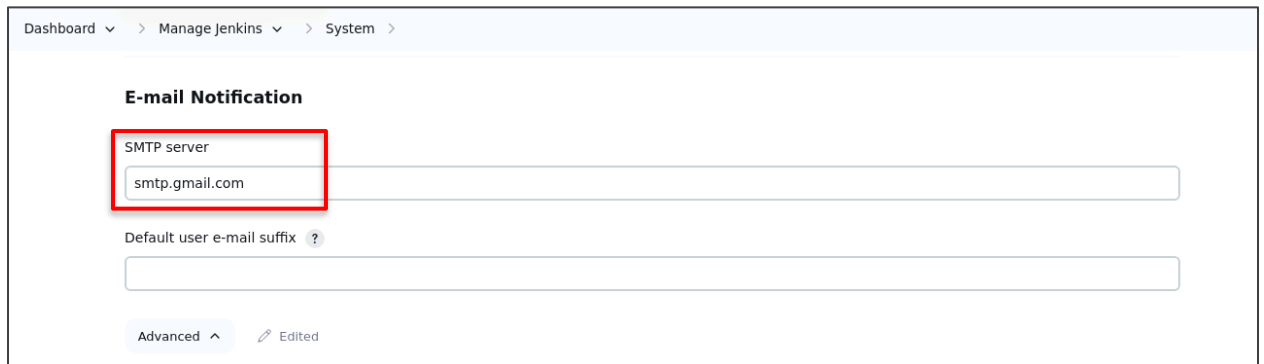
2.2 Navigate to **Manage Jenkins** in the Jenkins dashboard



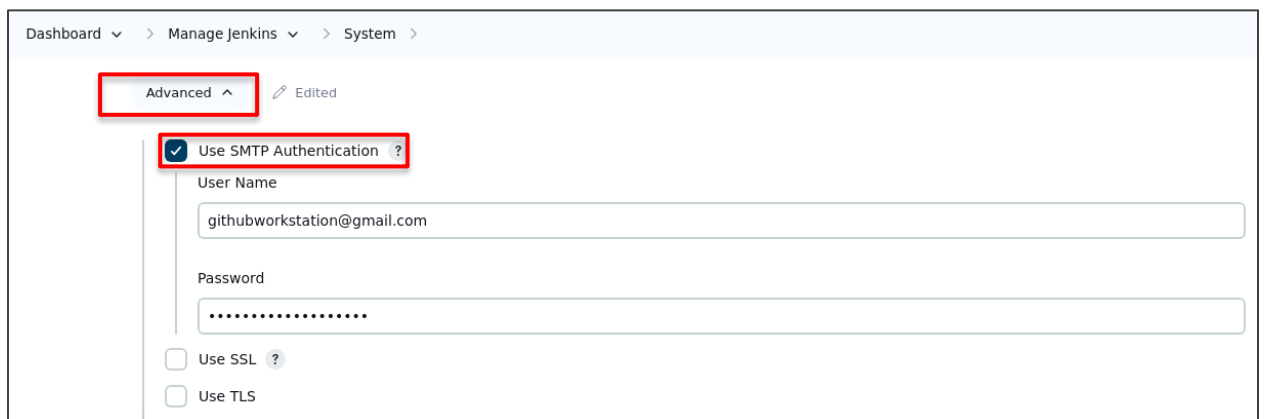
2.3 Now, click on **System** under **System Configuration**



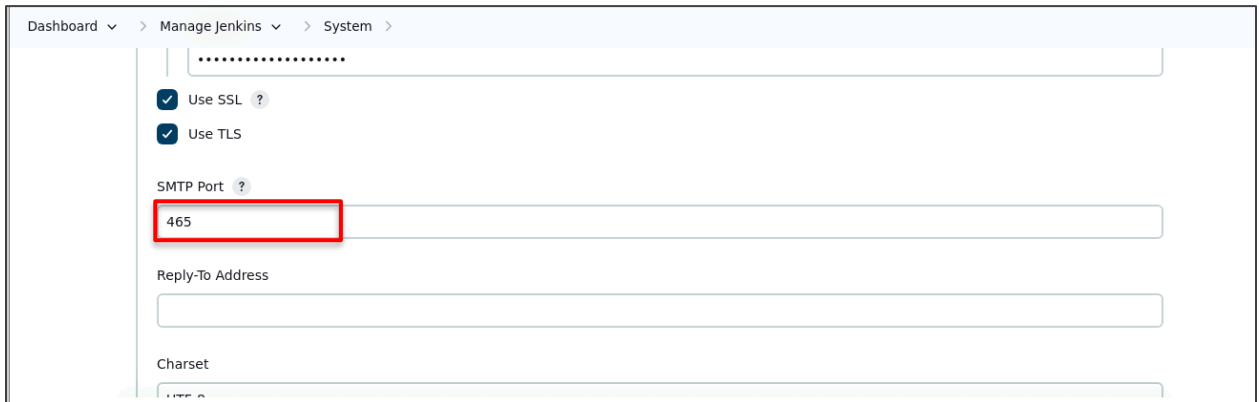
2.4 In the **System** section, scroll down to **E-mail Notification** section and provide **smtp.gmail.com** as the **SMTP server**



2.5 Click on **Advanced**, select **Use SMTP Authentication**, provide your email ID as **User Name**, and then provide previously generated App password in the **Password**



2.6 Select both **Use SSL** and **Use TLS**, and add **465** as the **SMTP Port**



Dashboard > Manage Jenkins > System

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☒ Use SSL ?

☒ Use TLS

SMTP Port ?

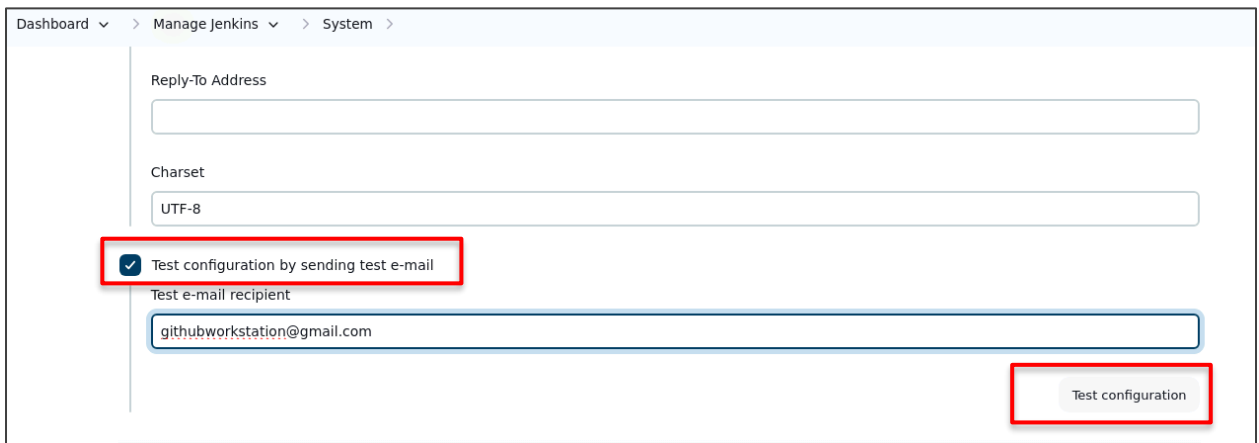
465

Reply-To Address

Charset

UTF-8

2.7 Now, click on **Test configuration by sending test e-mail**, provide your email ID under **Test e-mail recipient**, then click on **Test configuration**



Dashboard > Manage Jenkins > System

Reply-To Address

Charset

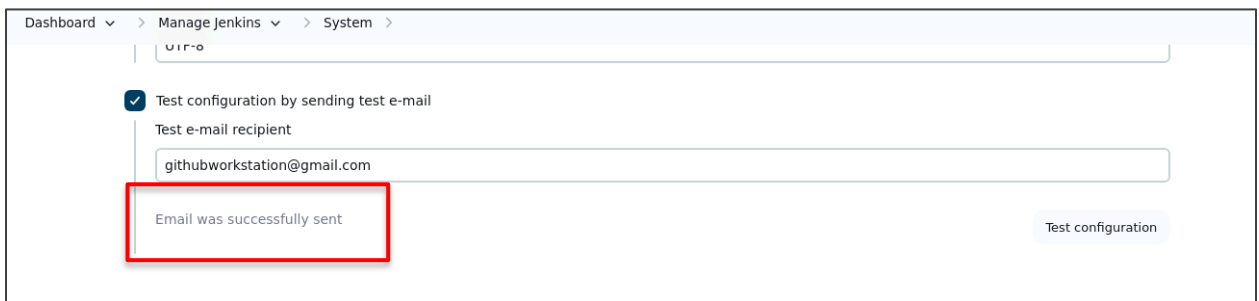
UTF-8

☒ Test configuration by sending test e-mail

Test e-mail recipient

githubworkstation@gmail.com

Test configuration



Dashboard > Manage Jenkins > System

UTF-8

☒ Test configuration by sending test e-mail

Test e-mail recipient

githubworkstation@gmail.com

Email was successfully sent

Test configuration

You can see the email has been sent successfully.

By following these steps, you have successfully configured SMTP email notification in Jenkins to send automated notifications and alerts.