## **Gmail integration with Jenkins**

In this lab, you will learn how to configure and integrate email with Jenkins for notification purposes.

Gmail account with enabled 2-step verification.

1. Access your Gmail account and navigate to the option of managing your Google account.



2. Go to the security section and search for the App passwords and click on it.

Google Account	Q password	×
	3 RESULTS	
Home	App passwords Security	
Personal info	Password Manager	
💿 Data & privacy	Password	
Security	Personal info, Security	
People & sharing	Q Search Help Center for "password"	>
Payments & subscrip	otions	
	Protect your account	

3. To Generate the App password for mail, select **Mail** and in the select device section select **Other (Custom name)** 

← App passwords		
App passwords let you sign in to Verification. You'll only need to e	your Google Account from apps on enter it once so you don't need to ren	devices that don't support 2-Step nember it. Learn more
You don't have any app pass Select the app and device yo Mail	words. ou want to generate the app passwo Select device	rd for.
	iPhone iPad BlackBerry Mac Windows Phone Windows Computer	GENERATE
	Other (Custom name)	

4. Provide the suitable label "Pipeline" and click on "GENERATE".

← App passw	ords		
App passwords let you sign Verification. You'll only need	i in to your Google Account from app d to enter it once so you don't need t	os on devices that don't support 2-Step to remember it. Learn more	
You don't have any app passwords.			
Select the app and device Pipeline	ce you want to generate the app part $\times$	ssword for.	
		GENERATE	

5. Copy and save the password generated in Notepad. We will require this App password for subsequent steps. Then, click on "**Done**".

Generated app password	
	Your app password for your device
	Ž :
	How to use it
Email	Go to the settings for your Google Account in the application or device you are trying to set
Password	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.

 Now Go back to your Jenkins Dashboard→Go to the Managed Jenkins→Configure System. Look for "Jenkins Location" and input your admin email address.

Jenkins Loc	ation	
Jenkins URL		
http://		
System Admin	e-mail address ?	
	@gmail.co	om

7. Scroll down to "Email Notification", then enter "smtp.gmail.com" as the SMTP server and "@gmail.com" in the "Default user e-mail suffix" field. Next, click on "Advanced".

E-mail Notification
SMTP server
smtp.gmail.com
Default user e-mail suffix ?
@gmail.com
Advanced V
Test configuration by sending test e-mail

8. Select "Use SMTP Authentication" and enter the following details. User Name: <User\_Email\_ID>

**Password**: <Paste the generated App password here>

Tick the box next to "Use TLS", enter "587" as the SMTP port, and save the changes. Click "**Apply**".

> Manage Jenkins > Configure System >
E-mail Notification
SMTP server
smtp.gmail.com
Default user e-mail suffix ?
@gmail.com
Advanced ^ // Edited
Use SMTP Authentication ? User Name
@gmail.com
Password
Use SSL ?
Use TLS
SMTP Port ?
587
Reply-To Address
Charset
UTF-8
Save Apply

 To check if the configuration is correct, select Manage Jenkins →Configure System. Then, scroll down to the "E-mail Notification" section and select the option to test the configuration by sending a test email. Enter the recipient's email address and click on "Test configuration".

(	~	Test configuration by sending test e-mail	
		Test e-mail recipient	
		gmail.com	
		Email was successfully sent	Test configuration

10. Add the declarative post-action to your **Jenkins file**, placing it after the end of the stages block and the end of the pipeline block. Afterwards, add, commit, and push the changes. Check pipeline syntax and try it out.