

School of Computer Science

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
DEHRADUN, UTTARAKHAND**



**Continuous Integration and Continuous Delivery
Lab**

**Lab File
(2023-2024)**

for

5th Semester

Submitted To:

Dr. Hitesh Kumar Sharma

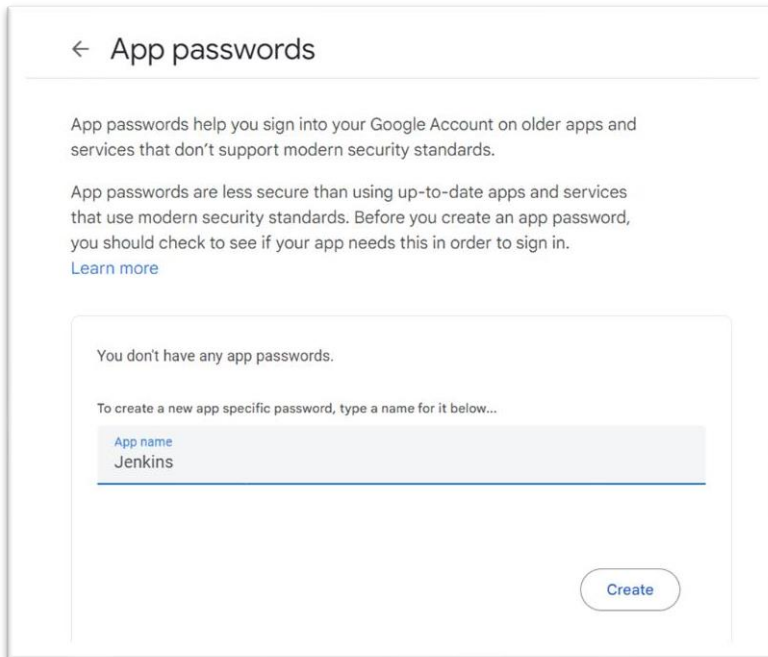
Submitted By:

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B2- Devops (Non-Hons)

EXPERIMENT – 7

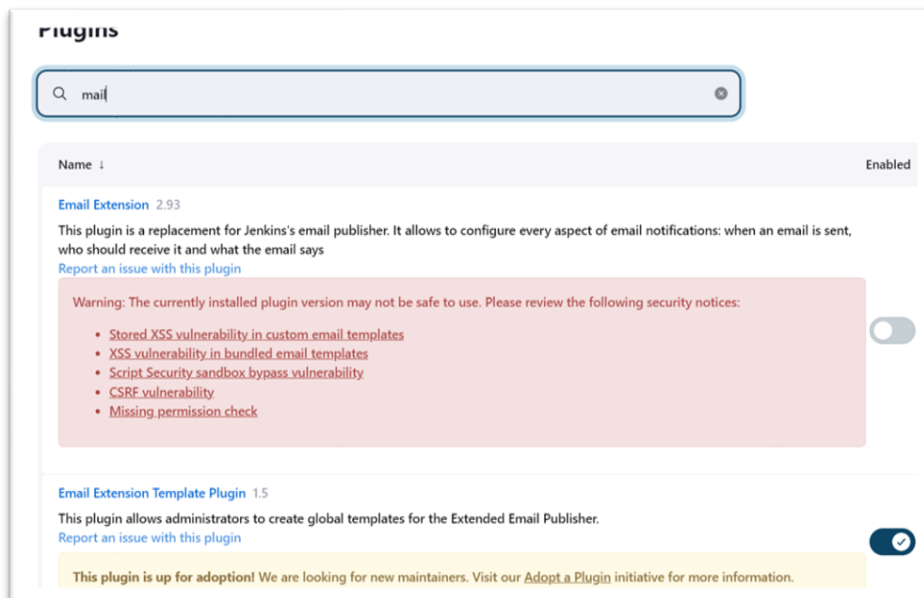
Aim: Email Notification in Jenkins

1] Create a “App Password” from our google account setting.



The screenshot shows the 'App passwords' page in a Google account settings interface. At the top, there is a back arrow and the title 'App passwords'. Below this, a paragraph explains that app passwords help sign into older apps and services that don't support modern security standards. Another paragraph states that app passwords are less secure than modern apps and services, and advises checking if an app needs this to sign in, with a 'Learn more' link. A box indicates 'You don't have any app passwords.' and prompts to 'To create a new app specific password, type a name for it below...'. There is a text input field labeled 'App name' with the value 'Jenkins' entered. At the bottom right of the box is a 'Create' button.

2] Installing Email Notification plugin.



The screenshot shows the 'Plugins' page in Jenkins. At the top, there is a search bar with the text 'mail'. Below the search bar, there is a table of installed plugins. The first plugin listed is 'Email Extension' version 2.93, which is marked as 'Enabled'. The description states it is a replacement for Jenkins's email publisher and allows configuring email notifications. A warning box below the description states: 'Warning: The currently installed plugin version may not be safe to use. Please review the following security notices:'. The notices listed are: 'Stored XSS vulnerability in custom email templates', 'XSS vulnerability in bundled email templates', 'Script Security sandbox bypass vulnerability', 'CSRF vulnerability', and 'Missing permission check'. The second plugin listed is 'Email Extension Template Plugin' version 1.5, which is also marked as 'Enabled'. Its description states it allows administrators to create global templates for the Extended Email Publisher. At the bottom, a yellow banner states: 'This plugin is up for adoption! We are looking for new maintainers. Visit our Adopt a Plugin initiative for more information.'

3] Configure SMTP Server by going to Dashboard > manage Jenkins > System > Email notification.

E-mail Notification

SMTP server

smtp.gmail.com

Default user e-mail suffix ?

Advanced ^ Edited

☒ Use SMTP Authentication ?

User Name

rohanshugarwal11@gmail.com

Password

.....

☒ Use SSL ?

☐ Use TLS

SMTP Port ?

465

Reply-To Address

kamdishashwat17@gmail.com

Charset

UTF-8

☒ Test configuration by sending test e-mail

Test e-mail recipient

rohanshugarwal11@gmail.com

4] Create a maven project, configure it and make a build.

Source Code Management

☐ None

☐ Gerrit Repo ?

☒ Git ?

Repositories ?

Repository URL ?

https://github.com/kamdishashwat-17/Cicd-Lab1.git

Credentials ?

- none -

+ Add

☒ Poll SCM ?

Schedule ?

* * * * *

⚠ Do you really mean "every minute" when you say "* * * * *"? Perhaps you
Would last have run at Friday, 8 December, 2023 at 7:09:50 PM India Standard T
Standard Time.

☐ Ignore post-commit hooks ?

Build

Root POM ?

pom.xml

Goals and options ?

install

Advanced ▾

Post Steps

- ☐ Run only if build succeeds
- ☐ Run only if build succeeds or is unstable
- ☒ Run regardless of build result

Build Settings


☒ E-mail Notification


Recipients


kamdishashwat17@gmail.com


- ☒ Send e-mail for every unstable build
- ☒ Send separate e-mails to individuals who broke the build
- ☒ Send e-mail for each failed module ?

5] Check the Build and test the mail by intentionally failing a build.


 **Build #3 (Dec 8, 2023, 7:09:13 PM)**

 Changes
1. pom.xml ([details](#) / [githubweb](#))

 [Started by an SCM change](#)

 This run spent:

- 9.6 sec waiting;
- 2.1 sec build duration;
- 11 sec total from scheduled to completion.

 **Revision:** c816a7a78460aea91c2e5e20f69c0789bf2ef7fe
Repository: <https://github.com/kamdishashwat-17/Cicd-Lab1.git>

