



## CONTINUOUS INTEGRATION AND CONTINUOUS DEPLOYMENT LAB

Lab File  
(2023-2024)

for

5<sup>th</sup> Semester

**Submitted To**

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# EXPERIMENT 7

## Email Notifications in Jenkins

### Aim



To understand and practice setting up email.

### Steps

#### 1. Install Email Extension & Email Extension Template Plugin

⚙️ Advanced settings

☰ Download progress

Name ↓	Enabled
<b>Email Extension Plugin</b> 2.102 This plugin is a replacement for Jenkins's email publisher. It allows to configure every aspect of email notifications: when an email is sent, who should receive it and what the email says <a href="#">Report an issue with this plugin</a>	<input checked="" type="checkbox"/> 
<b>Email Extension Template Plugin</b> 1.5 This plugin allows administrators to create global templates for the Extended Email Publisher. <a href="#">Report an issue with this plugin</a>	<input checked="" type="checkbox"/> 

This plugin is up for adoption! We are looking for new maintainers. Visit our [Adopt a Plugin](#) initiative for more information.

#### 2. Configure the SMTP Server by going to Dashboard > Manage Jenkins > System > Email Notification

☒ Test configuration by sending test e-mail

Test e-mail recipient

arpitrz9469@gmail.com

Test configuration

Test email #1 Inbox x



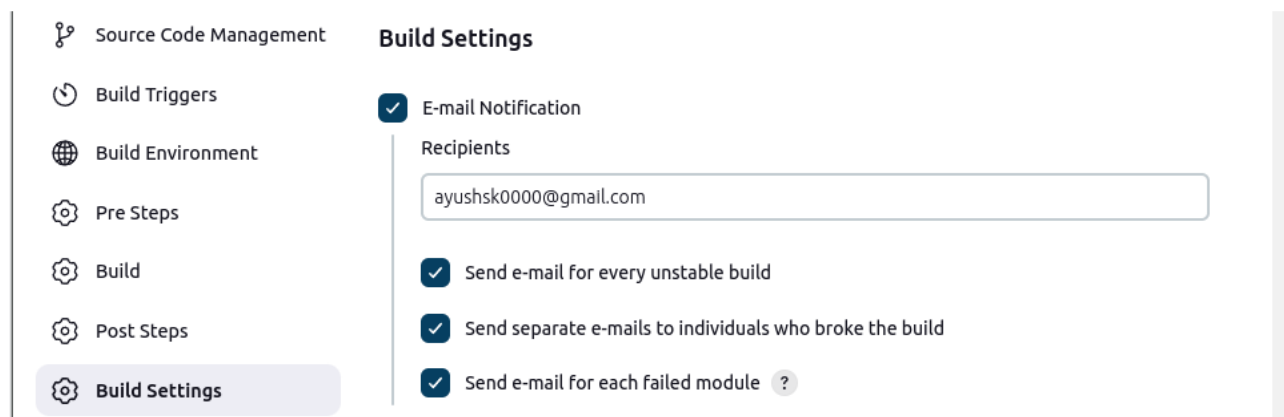
**address not configured yet**  
to me ▾

5:03 PM (3 minutes ago)



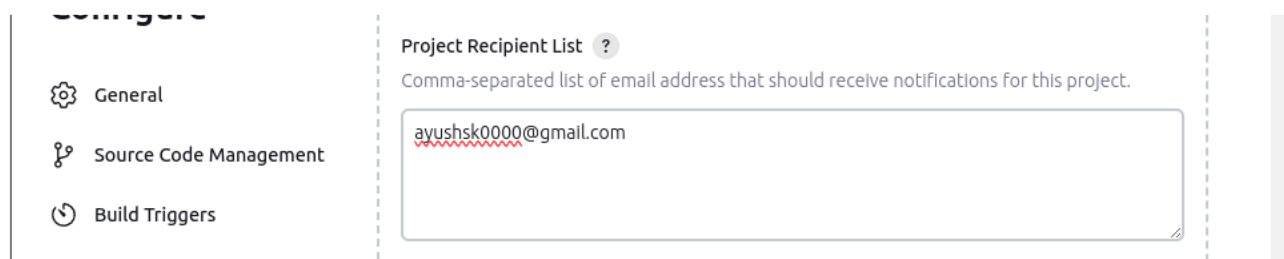
This is test email #1 sent from Jenkins

### 3. Create a job and add email in Build Settings



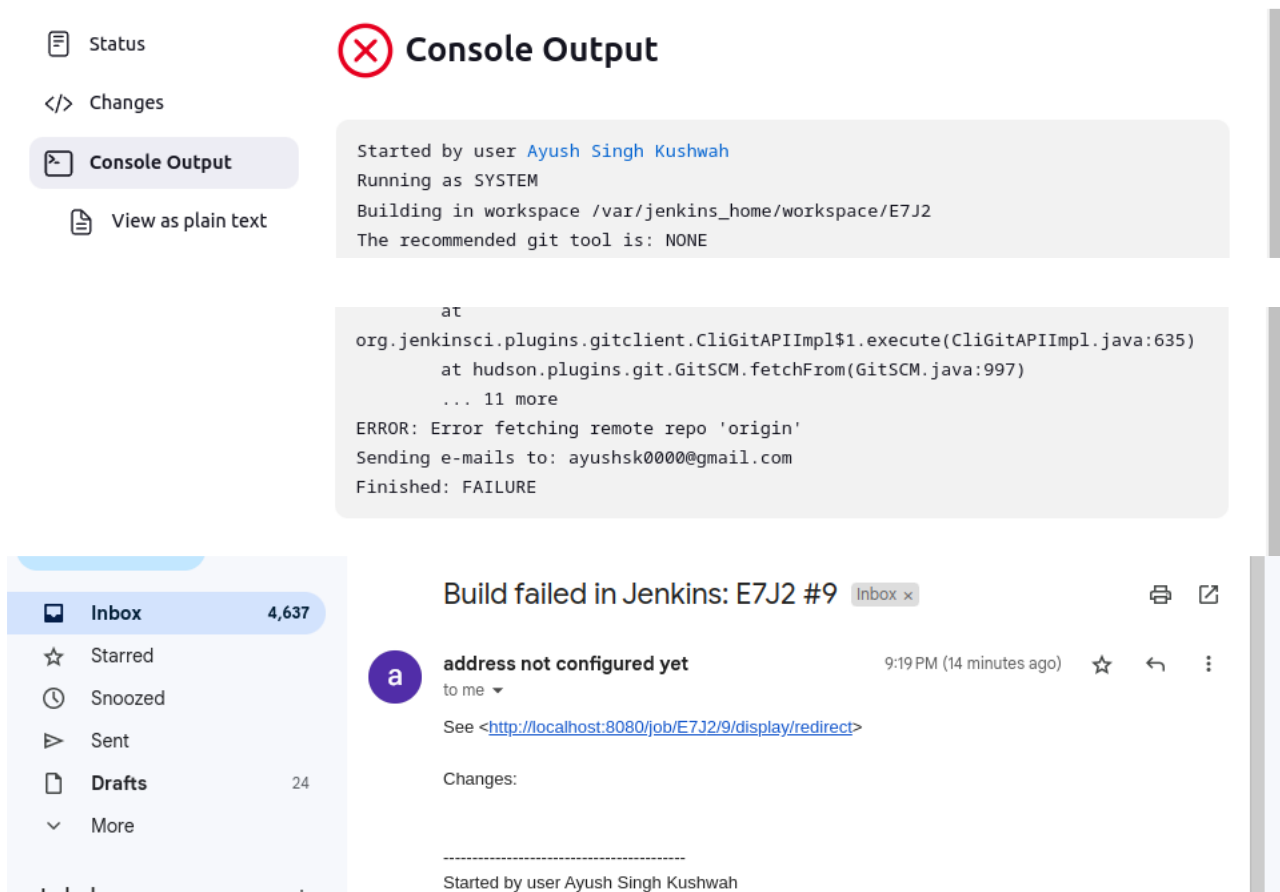
The screenshot shows the Jenkins 'Build Settings' configuration page. On the left sidebar, 'Build Settings' is selected. The main panel shows 'E-mail Notification' is checked. Below it, the 'Recipients' field contains 'ayushsk0000@gmail.com'. Three checkboxes are checked: 'Send e-mail for every unstable build', 'Send separate e-mails to individuals who broke the build', and 'Send e-mail for each failed module'.

### 4. Add a Post Build Step for sending Editable Email Notification & add email



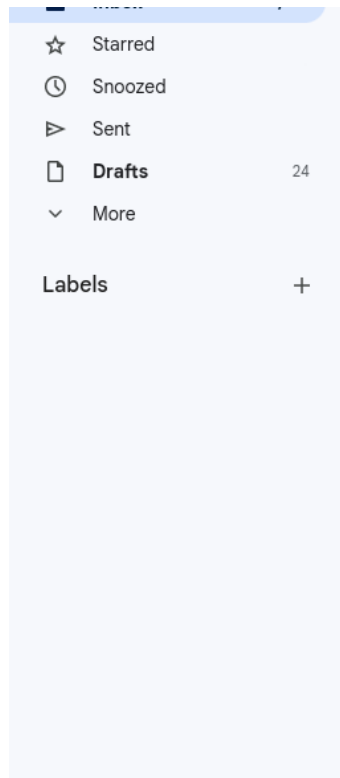
The screenshot shows the 'Editable Email Notification' configuration page. The 'Project Recipient List' field contains 'ayushsk0000@gmail.com'. The left sidebar shows 'General' is selected.

### 5. Test the mail by intentionally failing a build



The screenshot is divided into two main parts. The top part shows the Jenkins 'Console Output' for a failed build. The output text is: 'Started by user Ayush Singh Kushwah', 'Running as SYSTEM', 'Building in workspace /var/jenkins\_home/workspace/E7J2', 'The recommended git tool is: NONE', 'at org.jenkinsci.plugins.gitclient.CliGitAPIImpl\$1.execute(CliGitAPIImpl.java:635)', 'at hudson.plugins.git.GitSCM.fetchFrom(GitSCM.java:997)', '... 11 more', 'ERROR: Error fetching remote repo 'origin'', 'Sending e-mails to: ayushsk0000@gmail.com', 'Finished: FAILURE'. The bottom part shows an email notification in a Gmail inbox. The email subject is 'Build failed in Jenkins: E7J2 #9'. The body text says 'address not configured yet', 'to me', 'See <http://localhost:8080/job/E7J2/9/display/redirect>', 'Changes:', and 'Started by user Ayush Singh Kushwah'.

## Build log is also attached to the mail



```
hudson.plugins.git.GitException: failed to fetch from https://github.com/Ayroid/exp2-jenkins.git
    at hudson.plugins.git.GitSCM.fetchFrom(GitSCM.java:999)
    at hudson.plugins.git.GitSCM.retrieveChanges(GitSCM.java:1241)
    at hudson.plugins.git.GitSCM.checkout(GitSCM.java:1305)
    at hudson.scm.SCM.checkout(SCM.java:540)
    at hudson.model.AbstractProject.checkout(AbstractProject.java:1245)
    at hudson.model.AbstractBuild$AbstractBuildExecution.defaultCheckout(AbstractBuild.java:649)
    at jenkins.scm.SCMCheckoutStrategy.checkout(SCMCheckoutStrategy.java:85)
    at hudson.model.AbstractBuild$AbstractBuildExecution.run(AbstractBuild.java:521)
    at hudson.model.Run.execute(Run.java:1900)
    at hudson.maven.MavenModuleSetBuild.run(MavenModuleSetBuild.java:543)
    at hudson.model.ResourceController.execute(ResourceController.java:101)
    at hudson.model.Executor.run(Executor.java:442)
Caused by: hudson.plugins.git.GitException: Command "git fetch --tags --force --progress --
https://github.com/Ayroid/exp2-jenkins.git +refs/heads/*:refs/remotes/origin/*" returned status code
128:
stdout:
stderr: remote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls for information on currently recommended modes of
authentication.
fatal: Authentication failed for 'https://github.com/Ayroid/exp2-jenkins.git/'

    at org.jenkinsci.plugins.gitclient.CliGitAPIImpl.launchCommandIn(CliGitAPIImpl.java:2842)
    at org.jenkinsci.plugins.gitclient.CliGitAPIImpl.launchCommandWithCredentials(CliGitAPIImpl.
java:2185)
    at org.jenkinsci.plugins.gitclient.CliGitAPIImpl$1.execute(CliGitAPIImpl.java:635)
    at hudson.plugins.git.GitSCM.fetchFrom(GitSCM.java:997)
    ... 11 more
ERROR: Error fetching remote repo 'origin'
```