

# 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
<a href="#">Email Extension Plugin</a> 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>	 
<a href="#">Email Extension Template Plugin</a> 1.5 This plugin allows administrators to create global templates for the Extended Email Publisher. <a href="#">Report an issue with this plugin</a>	 

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



ayushsk0000@gmail.com


Email was successfully sent

Test configuration

### Test email #1

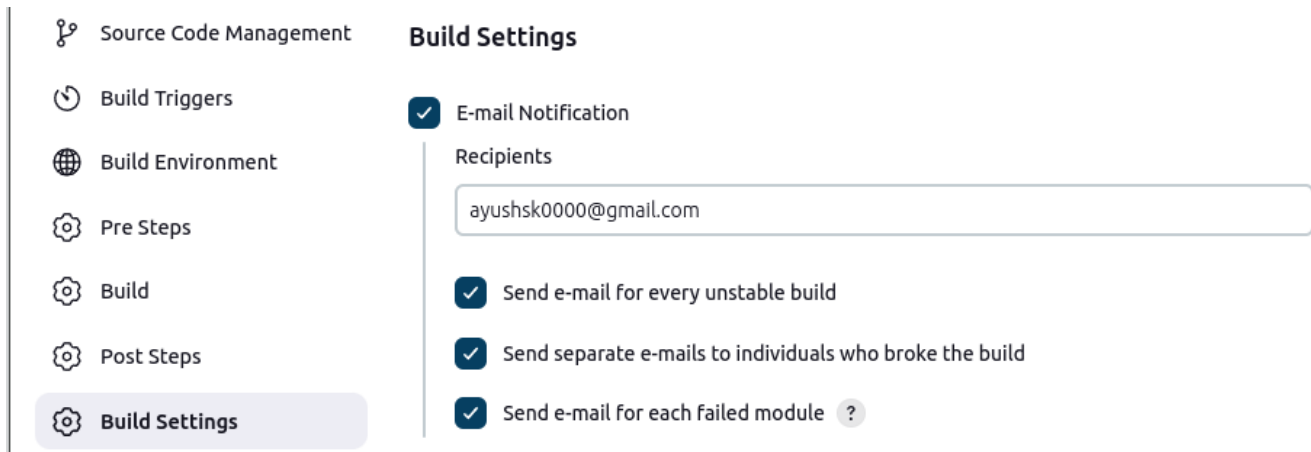
Inbox ×

 **address not configured yet** 5:03 PM (3 minutes ago) ☆ ↶ ⋮  
to me ▼

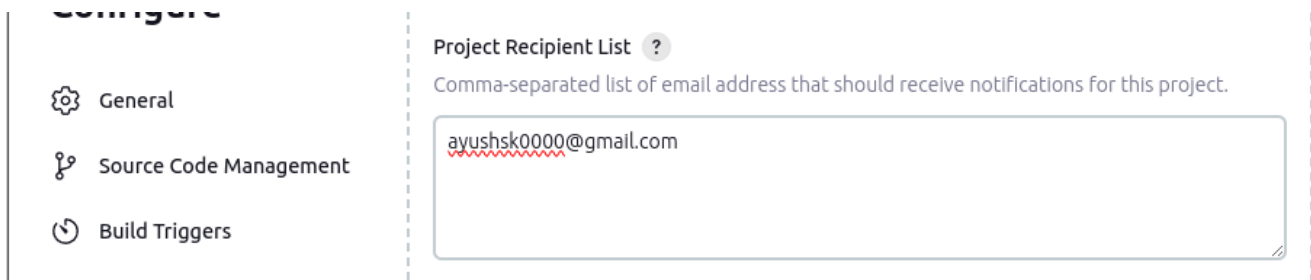
This is test email #1 sent from Jenkins

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



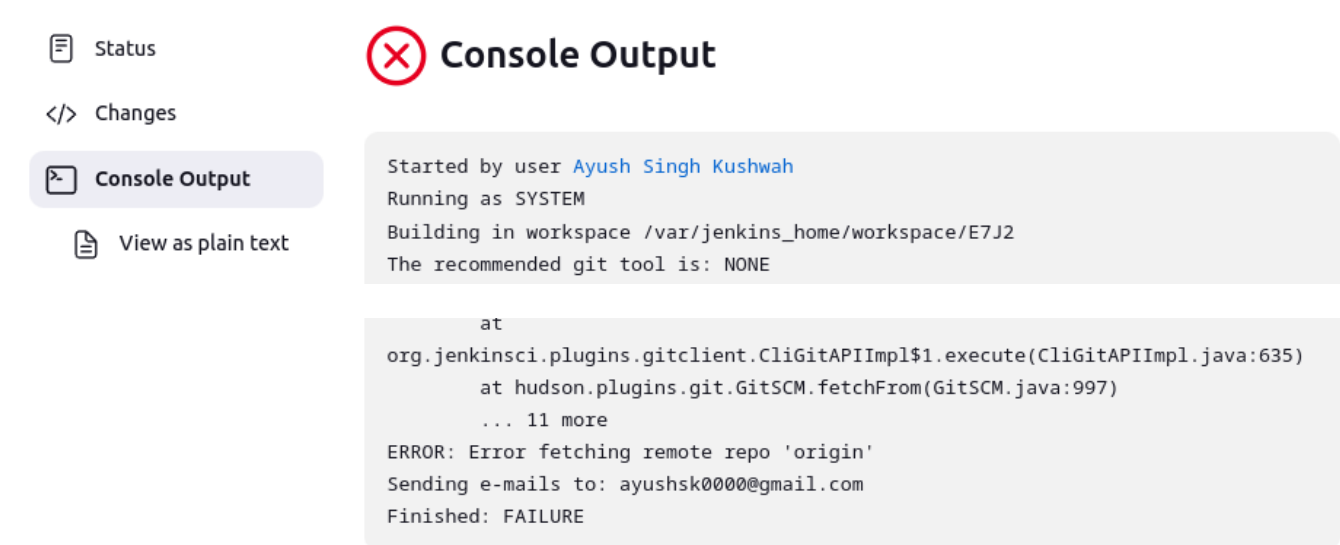
The screenshot shows the Jenkins 'Build Settings' page. On the left sidebar, 'Build Settings' is selected. The main panel shows 'E-mail Notification' checked. Below it, the 'Recipients' field contains 'ayushsk0000@gmail.com'. Three checkboxes are checked: 'Send e-mail for every unstable build', 'Send 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'. A description below the field states: 'Comma-separated list of email address that should receive notifications for this project.'

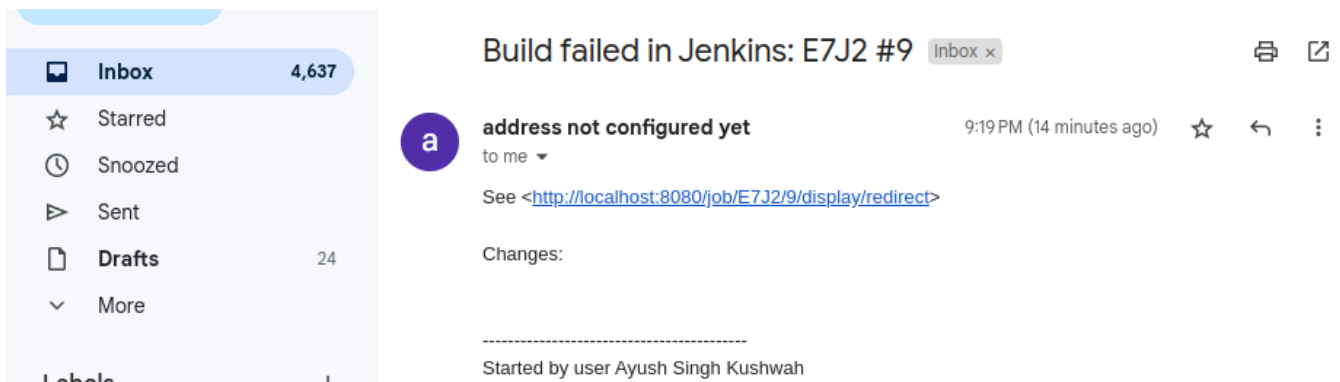
### 5. Test the mail by intentionally failing a build



The screenshot shows the Jenkins 'Console Output' for a failed build. The output text is as follows:

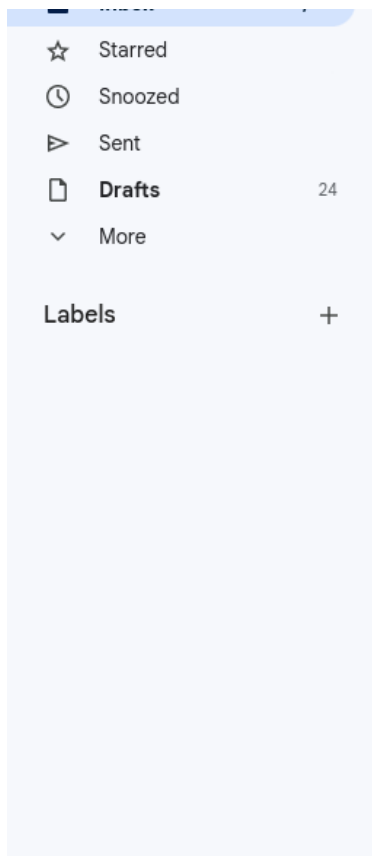
```
Started by user Ayush Singh Kushwah
Running as SYSTEM
Building in workspace /var/jenkins_home/workspace/E7J2
The recommended git tool is: NONE

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 screenshot shows an email inbox. The selected email is titled 'Build failed in Jenkins: E7J2 #9'. The sender is 'address not configured yet'. The email body contains a link to the build console output and the text 'Changes:'. The email was received at 9:19 PM (14 minutes ago).

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'
```