

# Configuring Email Notification in Jenkins

To achieve Email Notification in Jenkins

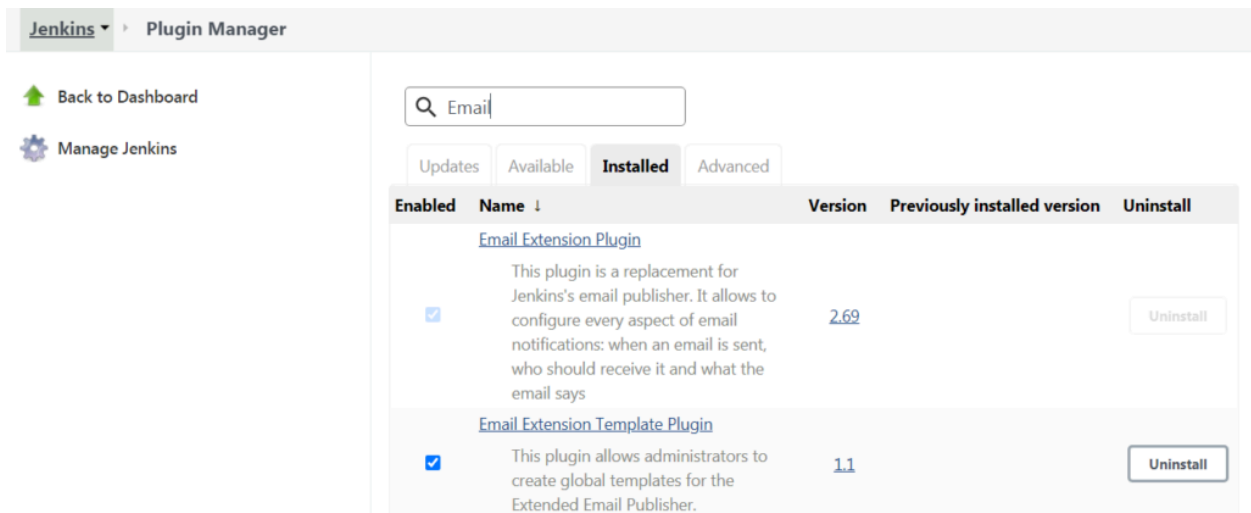
We need to install below plugins:

1. Email Extension Plugin.
2. Email Extension Template Plugin.

Go to Jenkins Dashboard.

1. Click on Manage Jenkins.
2. Click on Manage Plugins.

In Manage Plugins, go to Available section and search by “Email” and install suggested email plugins related to Email Notification that are Email Extension Plugin and Email Extension Template Plugin.



The screenshot shows the Jenkins Plugin Manager interface. The breadcrumb navigation at the top reads "Jenkins > Plugin Manager". On the left sidebar, there are links for "Back to Dashboard" and "Manage Jenkins". The main content area has a search bar with "Email" entered. Below the search bar are tabs for "Updates", "Available", "Installed", and "Advanced". The "Installed" tab is selected, displaying a table of installed plugins. The table has columns for "Enabled", "Name", "Version", "Previously installed version", and "Uninstall". Two plugins are listed: "Email Extension Plugin" (version 2.69) and "Email Extension Template Plugin" (version 1.1). Both have checkboxes in the "Enabled" column that are checked. Each row has an "Uninstall" button.

Enabled	Name	Version	Previously installed version	Uninstall
<input checked="" type="checkbox"/>	<a href="#">Email Extension Plugin</a> 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	2.69		<button>Uninstall</button>
<input checked="" type="checkbox"/>	<a href="#">Email Extension Template Plugin</a> This plugin allows administrators to create global templates for the Extended Email Publisher.	1.1		<button>Uninstall</button>

Once plugins are installed, then we are good to configure job for Email Notifications in Jenkins.

Let's now see configuring job for Email Notifications in Jenkins after plugins are installed.

Go to Manage Jenkins.

Click on Configure System.

Scroll down to **E-mail Notification** in Configure System Section.

The screenshot displays the Jenkins configuration interface. At the top, a breadcrumb trail shows 'Jenkins' followed by a dropdown arrow and 'configuration'. The main section is titled 'E-mail Notification'. It contains several configuration fields: 'SMTP server' with the value 'smtp.gmail.com'; 'Default user e-mail suffix' which is empty; 'Use SMTP Authentication' which is checked; 'User Name' with the value 'Pavankrishnan1993@gmail.com'; 'Password' which is masked as 'Concealed' with a 'Change Password' button; 'Use SSL' which is checked; 'Use TLS' which is unchecked; 'SMTP Port' with the value '465'; and 'Reply-To Address' which is empty. Each field has a blue question mark icon to its right. Below this section, another breadcrumb trail shows 'Jenkins' followed by a dropdown arrow and 'configuration'. The next section is 'Charset' with the value 'UTF-8'. At the bottom, there is an unchecked checkbox labeled 'Test configuration by sending test e-mail'.

***Follow above simple steps to do Email Notification Configuration.***

Here I'm using Gmail for achieving Email Notification in Jenkins.

1. **SMTP server** – For gmail, it is mandatory to provide as **smtp.gmail.com**.
2. **Use SMTP Authentication** should be checked – Only then we should be able to see User Name and Password sections.

3. Provide your Gmail Credentials in **User Name and Password** Fields.
4. **Use SSL** should be checked.
5. Give **SMTP Port** Number as **465**. [If **465** doesn't work for you, try with **587**]

Once setup is done for Email Notification.

Let's do Test Configuration by Sending Test Email.

Once **Test configuration by sending test e-mail** is **Checked**, you should be able to see the Test **e-mail recipient** option as shown below.

☒ Test configuration by sending test e-mail

Test e-mail recipient

Test configuration

Now enter Gmail ID to which you want to send out a Test Mail and click on Test Configuration.

If everything configured as expected then a Test Mail to should be triggered into given Gmail ID and followed message should be displayed "**Email was successfully sent**" as shown below.

☒ Test configuration by sending test e-mail

Test e-mail recipient

Pavankrishnan1993@Gmail.com

Email was successfully sent

Test configuration

Test E-Mail Recipient could be any Gmail ID – Now you can Check for Test Mail in Given Mail Account.

If in case, Test Configuration is Failed.

Go to your

Gmail Account for which Email Notification was configured.

Click on Security.

Now Go to **Less secure app access** and **Allow Turn on Access** to Less secure app access. [By default it should be selected to **Off**]

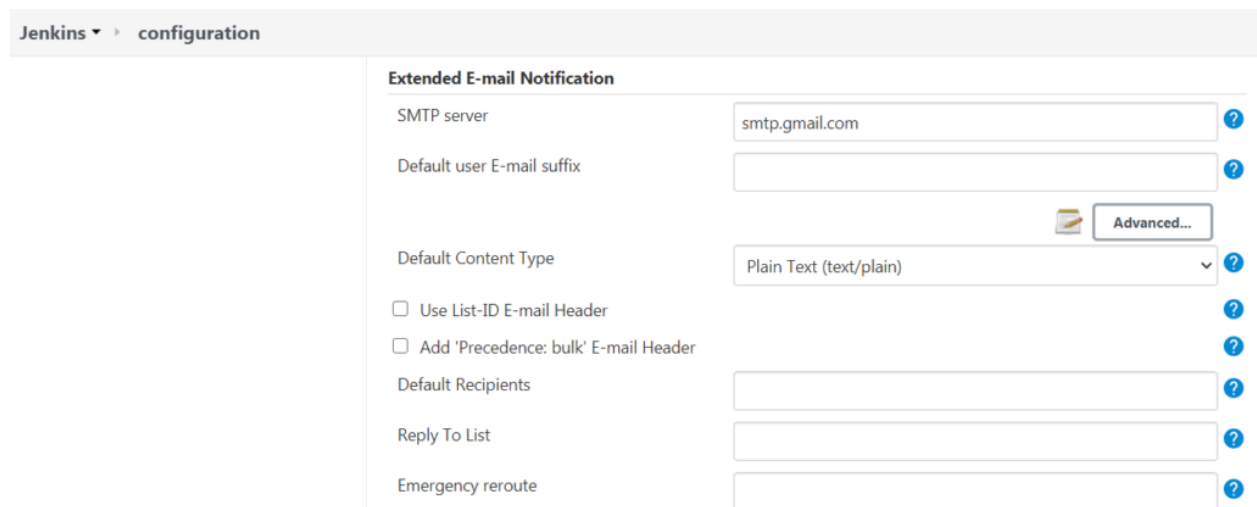
Or 2 step verification in gmail account

Now Go to Manage Jenkins.

Click on Configure System.

Scroll down to **Extended E-mail Notification** in Configure System Section.

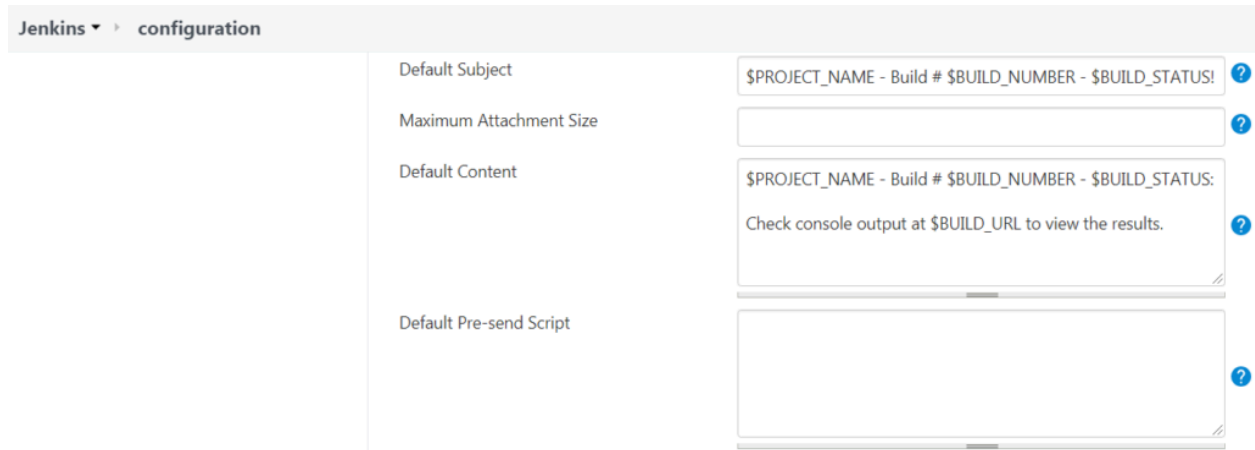
Enter all Required Fields as shown in below Screenshots.



The screenshot shows the Jenkins configuration page with the breadcrumb 'Jenkins > configuration'. The 'Extended E-mail Notification' section is expanded, showing the following fields:

- SMTP server: smtp.gmail.com
- Default user E-mail suffix: (empty)
- Default Content Type: Plain Text (text/plain)
- Use List-ID E-mail Header: ☐
- Add 'Precedence: bulk' E-mail Header: ☐
- Default Recipients: (empty)
- Reply To List: (empty)
- Emergency reroute: (empty)

Each field has a blue question mark icon to its right. There is an 'Advanced...' button next to the 'Default user E-mail suffix' field.



The screenshot shows the Jenkins configuration page with the 'configuration' tab selected. It displays four settings for email notifications:

- Default Subject:** A text field containing the template '\$PROJECT\_NAME - Build # \$BUILD\_NUMBER - \$BUILD\_STATUS!' with a help icon.
- Maximum Attachment Size:** An empty text field with a help icon.
- Default Content:** A text area containing the template '\$PROJECT\_NAME - Build # \$BUILD\_NUMBER - \$BUILD\_STATUS:' followed by 'Check console output at \$BUILD\_URL to view the results.' with a help icon.
- Default Pre-send Script:** An empty text area with a help icon.

**Note:**

In **Extended E-mail Notification** section, you just need to provide **SMTP server** details as **smtp.gmail.com**.

Do not change anything from **Default Subject and Default Content** Fields that are suggested by Jenkins.

Now Click on **Apply** and **Save**.

Wow, now we are all set to use Email Notification Feature in Jobs.

Now go to Jenkins Job.

Click on Configure.

Go to **Build Settings** section and provide Email IDs as shown below to which Email Notifications has to be sent.

Add below code inside Jenkins Pipeline Step.

```
stage('Gmail')

{
    steps

    {
        emailext body: "${currentBuild.currentResult}:* Job Name:
        ${env.JOB_NAME} || Build Number: ${env.BUILD_NUMBER}\n More
        information at: ${env.BUILD_URL}",
        subject: 'Declarative Pipeline Build Status',
        to: 'Pavankrishnan1993@gmail.com'
    }
}
```

Above code will send a Mail with followed information as below:

**1. emailext body:**

- A. Current Build Status [Success or Failure or Unstable].
- B. Job Name as specified in Jenkins Job.
- C. Build Number that is executed in Jenkins.

**2. Subject:** In this section, you can provide Subject name as per your Requirement.

**3. to:** In this section, you can provide Mail IDs to which Email Notification should be sent.

## Build Settings

☒ E-mail Notification

Recipients

Pavankrishnan1993@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



### Note:

Here Email Notifications will be sent only and only for Unstable and Failed Builds.