Configuring Email Notification in Jenkins
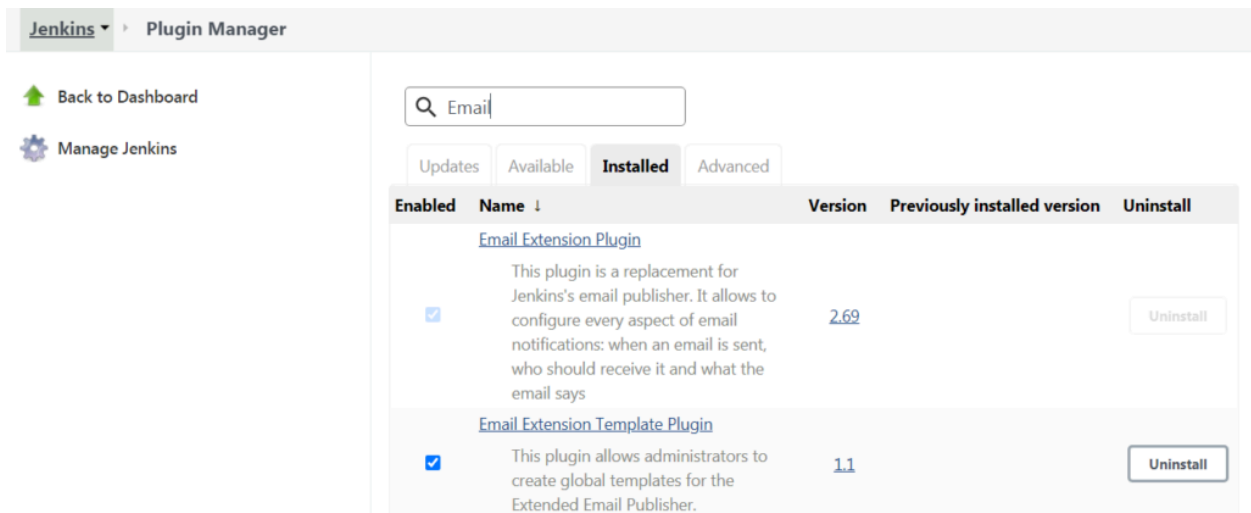
To achieve Email Notification in Jenkins

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.

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.

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.

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 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**]
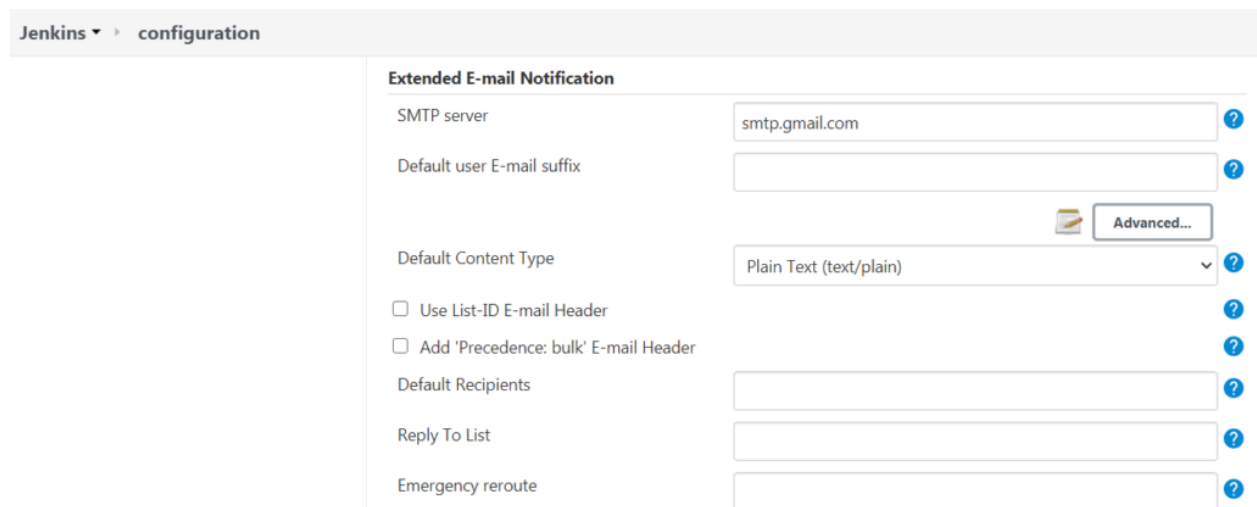
Or 2 step verification in gmail account

Now Go to Manage Jenkins.

Click on Configure System.

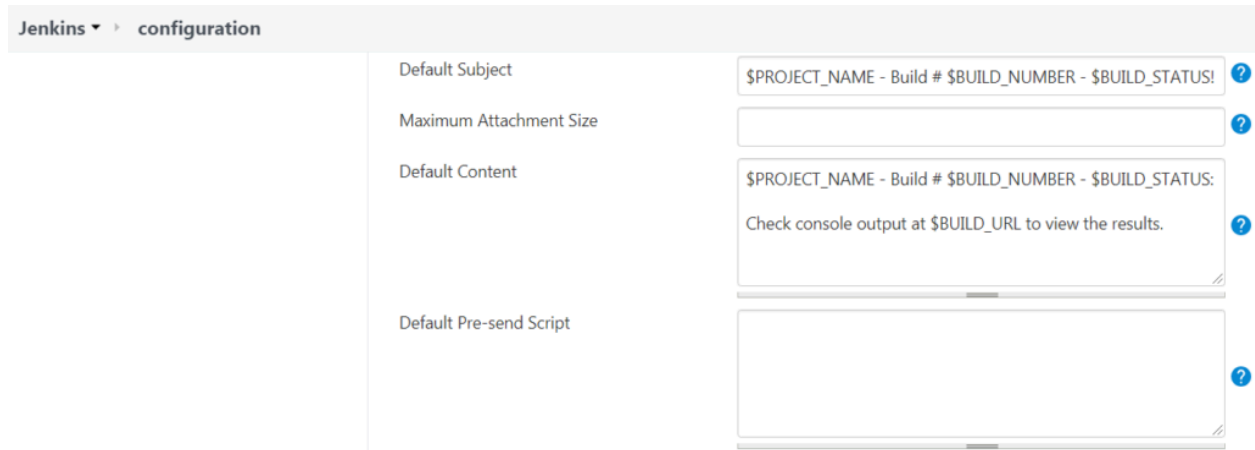Scroll down to **Extended E-mail Notification** in Configure System Section.

Enter all Required Fields as shown in below Screenshots.

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.