

20 Steps to Configure Jenkins Email Notification

t testbytes.net/blog/configure-jenkins-email-notifications

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2017



Tools

Thursday September 14, 2017

Emails have been an important aspect in every business due to its ease of use, omnipresence, and availability.

Several plug-ins are available in the market that allows you to configure every aspect of email notifications, one of which we are going to see now is Jenkin (Jenkins Email notification).

Jenkins email is a freeware software that allows continuous integration and delivery of ongoing projects.

You can customize it based on when an email is sent, who should receive it, and what the email says.

It is platform independent for testing and reporting changes in the base code in real time.

The software is installed on the main servers to access it centrally.

Jenkin Email notification is a Java-based plugin tool to automate notification alert whenever an Email is received.

It suits best for the CI (Continuous Integration) code.

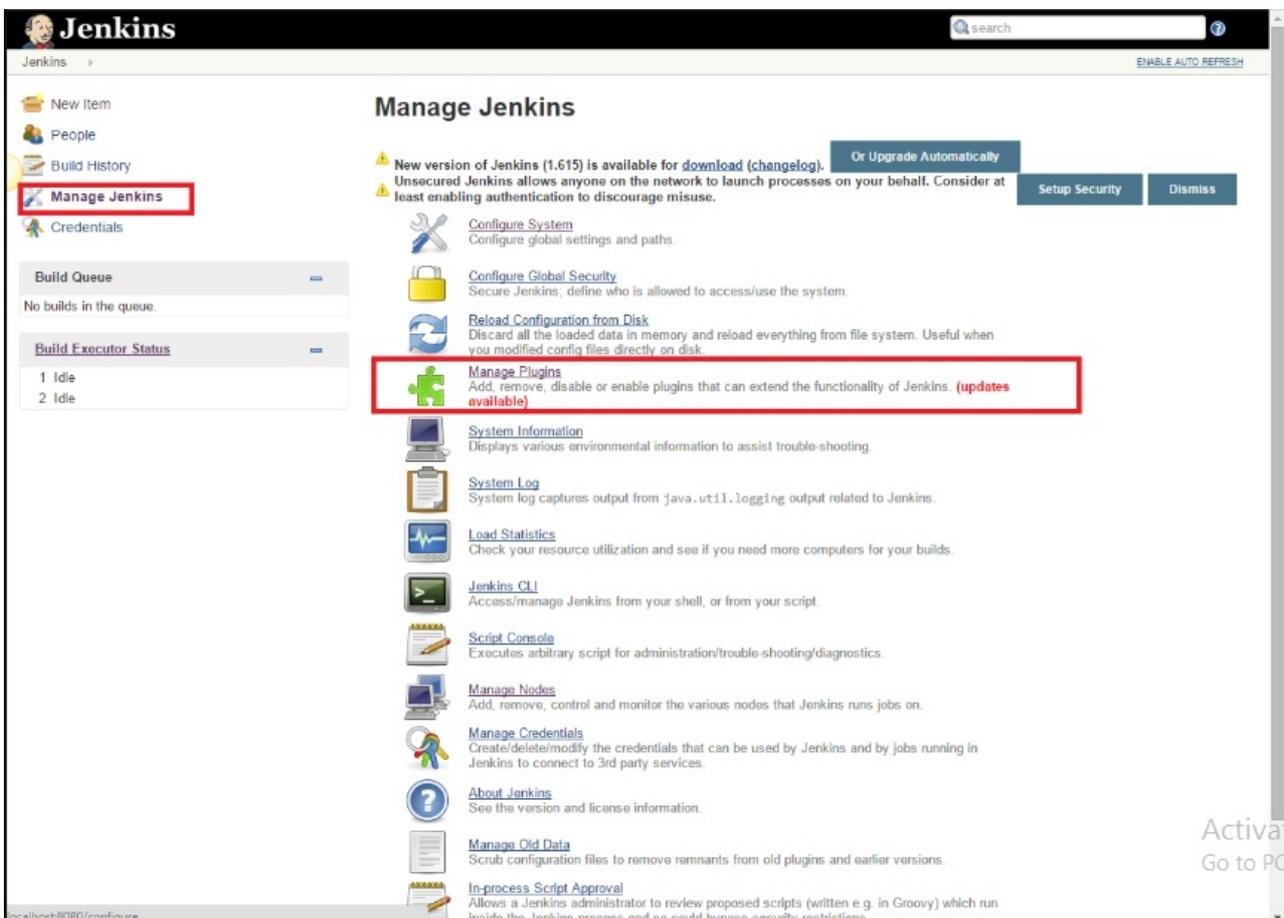


Its plug-in framework makes it highly adaptive and Master-Slave framework makes it highly scalable, which in turn makes it worthy for start-up/Labs and big enterprises at the same time.

Steps to Configure Email Notification using Jenkin

Jenkins email notification configuration is a step by step protocol:

1. Install Jenkin
2. Open Jenkin on a local host. Setting up an SMTP server, navigate to Manage Jenkins (Manage Jenkins options is displayed on the right-hand side of the screen)
3. Once on the Manage Jenkins page, select the manage plug-ins option



4. Click the available tab on manage plugin page.

Jenkins Plugin Manager

Filter:

Updates Available Installed Advanced

Install	Name	Version	Installed
<input type="checkbox"/>	CVS Plugin This bundled plugin integrates Jenkins with CVS version control system.	2.12	2.11
<input type="checkbox"/>	Javadoc Plugin This plugin adds Javadoc support to Jenkins.	1.3	1.1
<input type="checkbox"/>	JUnit Plugin Allows JUnit-format test results to be published.	1.6	1.2-beta-4
<input type="checkbox"/>	Mailer This plugin allows you to configure email notifications. This is a break-out of the original core based email component.	1.15	1.11
<input type="checkbox"/>	Matrix Authorization Strategy Plugin Offers matrix-based security authorization strategies (global and per-project).	1.2	1.1
<input type="checkbox"/>	Maven Project Plugin Jenkins plugin for building Maven 2/3 jobs via a special project type.	2.9	2.7.1
<input type="checkbox"/>	OWASP Markup Formatter Plugin Uses policy definitions to allow limited HTML markup in user-submitted text.	1.3	1.1
<input type="checkbox"/>	PAM Authentication Plugin Adds Unix Pluggable Authentication Module (PAM) support to Jenkins.	1.2	1.1
<input type="checkbox"/>	Script Security Plugin Allows Jenkins administrators to control what in-process scripts can be run by less-privileged users.	1.14	1.13
<input type="checkbox"/>	SSH Credentials Plugin This plugin allows you to store SSH credentials in Jenkins.	1.11	1.10
<input type="checkbox"/>	Subversion Plugin This plugin adds the Subversion support (via SVNKit) to Jenkins.	2.5	1.54
<input type="checkbox"/>	Translation Assistance Plugin This plugin adds an additional dialog box in every page, which enables people to contribute localizations for the messages they are seeing in the current page.	1.12	1.10

Download now and install after restart Update information obtained: 5 min 28 sec ago Check now

5. On the filter field displayed on the right-hand corner of the screen, start typing 'Notification'.

Jenkins Plugin Manager

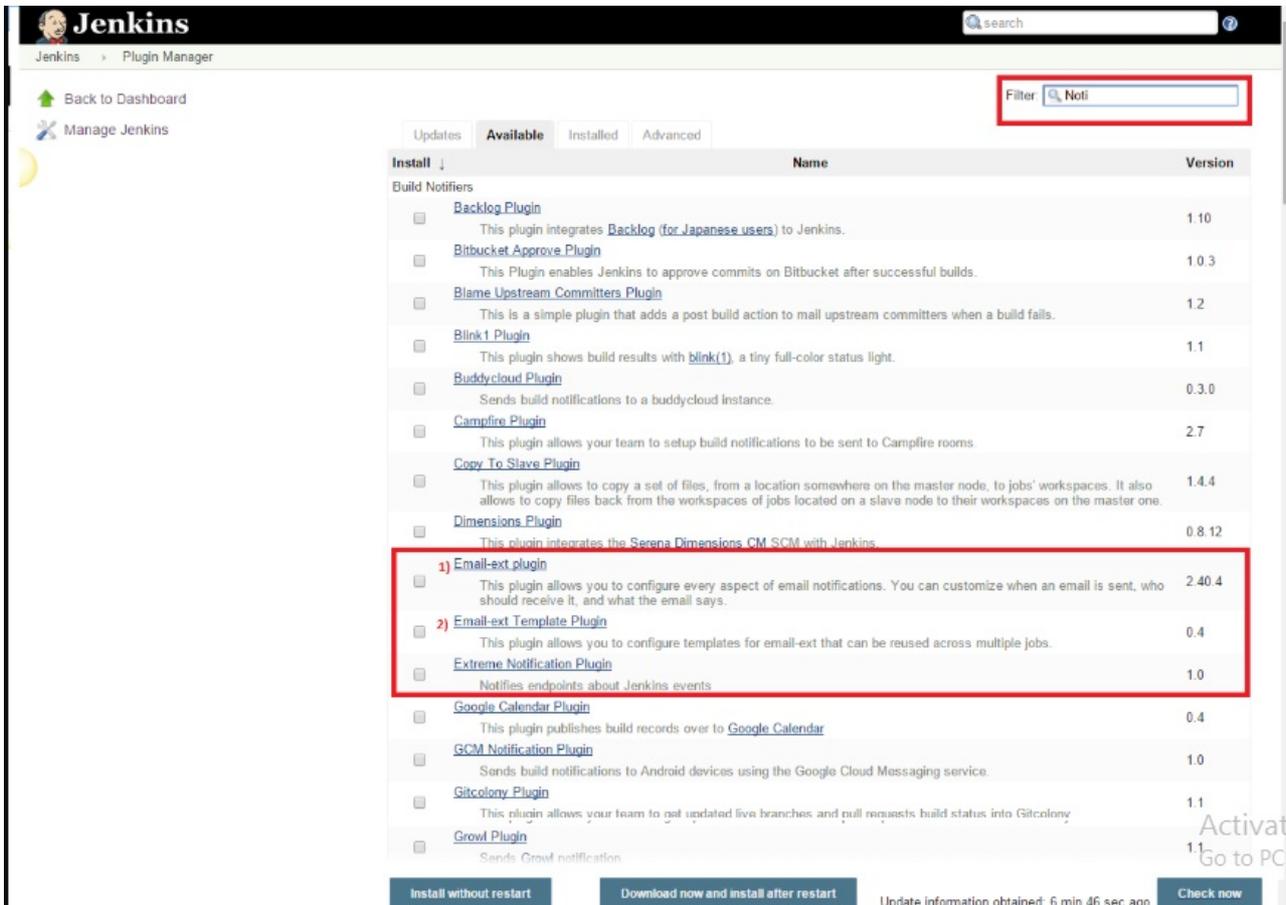
Filter:

Updates Available Installed Advanced

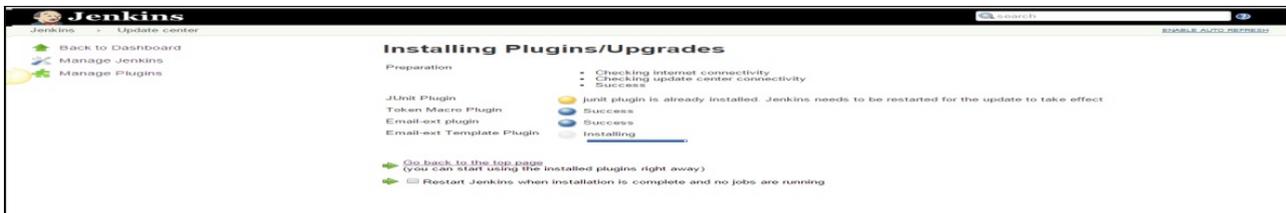
Install	Name	Version
Build Notifiers		
<input type="checkbox"/>	Backlog Plugin This plugin integrates Backlog (for Japanese users) to Jenkins.	1.10
<input type="checkbox"/>	Bitbucket Approve Plugin This Plugin enables Jenkins to approve commits on Bitbucket after successful builds.	10.3
<input type="checkbox"/>	Blame Upstream Committers Plugin This is a simple plugin that adds a post build action to mail upstream committers when a build fails.	1.2
<input type="checkbox"/>	Blink 1 Plugin This plugin shows build results with blink(1) , a tiny full-color status light.	1.1
<input type="checkbox"/>	Buddycloud Plugin Sends build notifications to a buddycloud instance.	0.3.0
<input type="checkbox"/>	Campfire Plugin This plugin allows your team to setup build notifications to be sent to Campfire rooms.	2.7
<input type="checkbox"/>	Copy To Slave Plugin This plugin allows to copy a set of files, from a location somewhere on the master node, to jobs' workspaces. It also allows to copy files back from the workspaces of jobs located on a slave node to their workspaces on the master one.	1.4.4
<input type="checkbox"/>	Dimensions Plugin This plugin integrates the Serena Dimensions CM SCM with Jenkins.	0.8.12
<input type="checkbox"/>	1) Email-ext plugin This plugin allows you to configure every aspect of email notifications. You can customize when an email is sent, who should receive it, and what the email says.	2.40.4
<input type="checkbox"/>	2) Email-ext Template Plugin This plugin allows you to configure templates for email-ext that can be reused across multiple jobs.	0.4
<input type="checkbox"/>	Extreme Notification Plugin Notifies endpoints about Jenkins events	1.0
<input type="checkbox"/>	Google Calendar Plugin This plugin publishes build records over to Google Calendar	0.4
<input type="checkbox"/>	GCM Notification Plugin Sends build notifications to Android devices using the Google Cloud Messaging service.	1.0
<input type="checkbox"/>	Gitcolony Plugin This plugin allows your team to get updated live branches and pull requests build status into Gitcolony	1.1
<input type="checkbox"/>	Growl Plugin Sends Growl notification	

Install without restart Download now and install after restart Update information obtained: 6 min 46 sec ago Check now

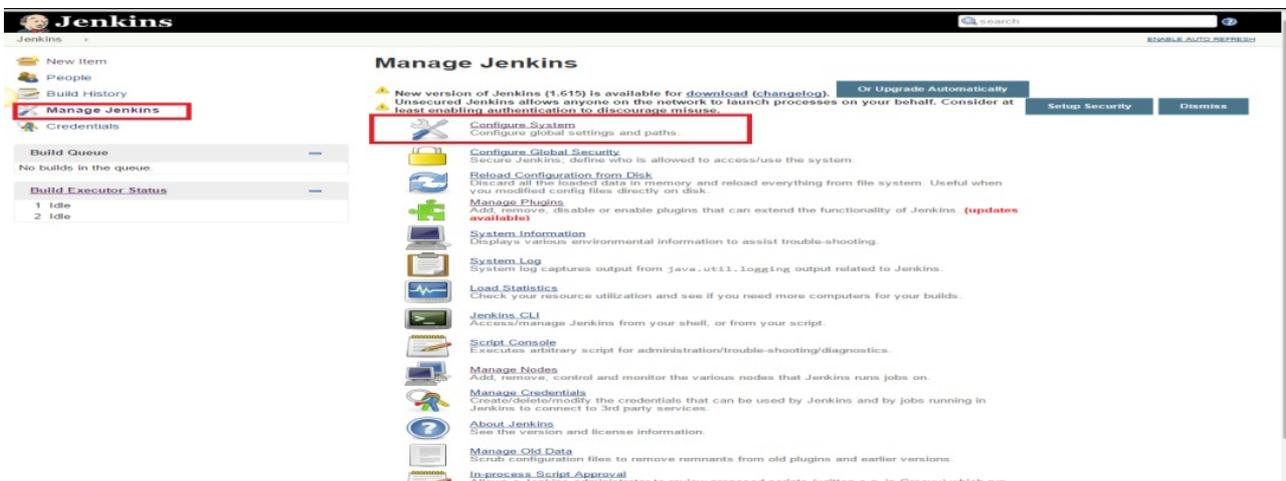
6. Click the checkbox next to 'Email-ext plugin' option and install it.



7. Now click the checkbox next to 'Email-ext Template Plugin' and click the install without restart button

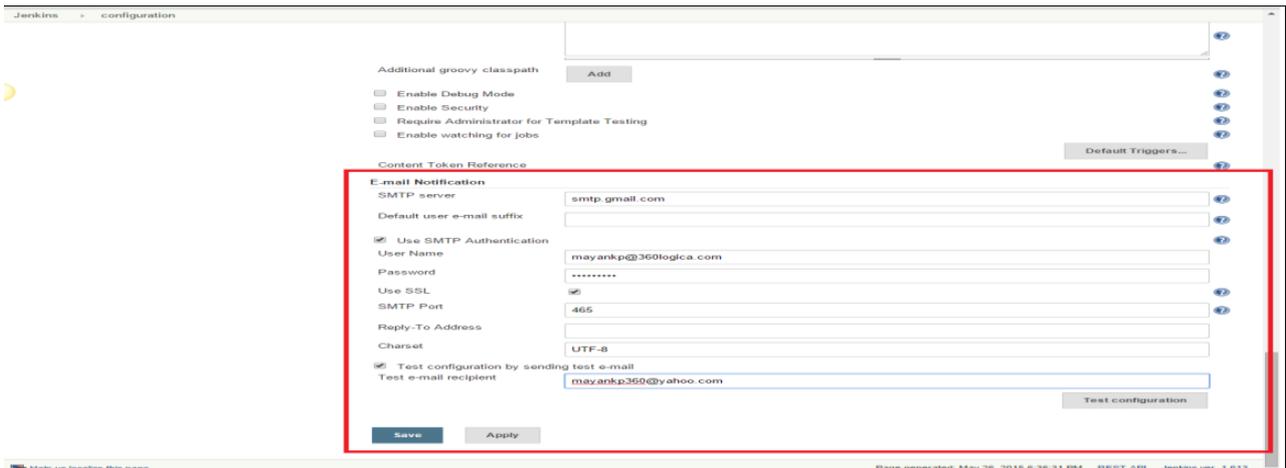


8. Go back to manage Jenkin, select the configuration system option.

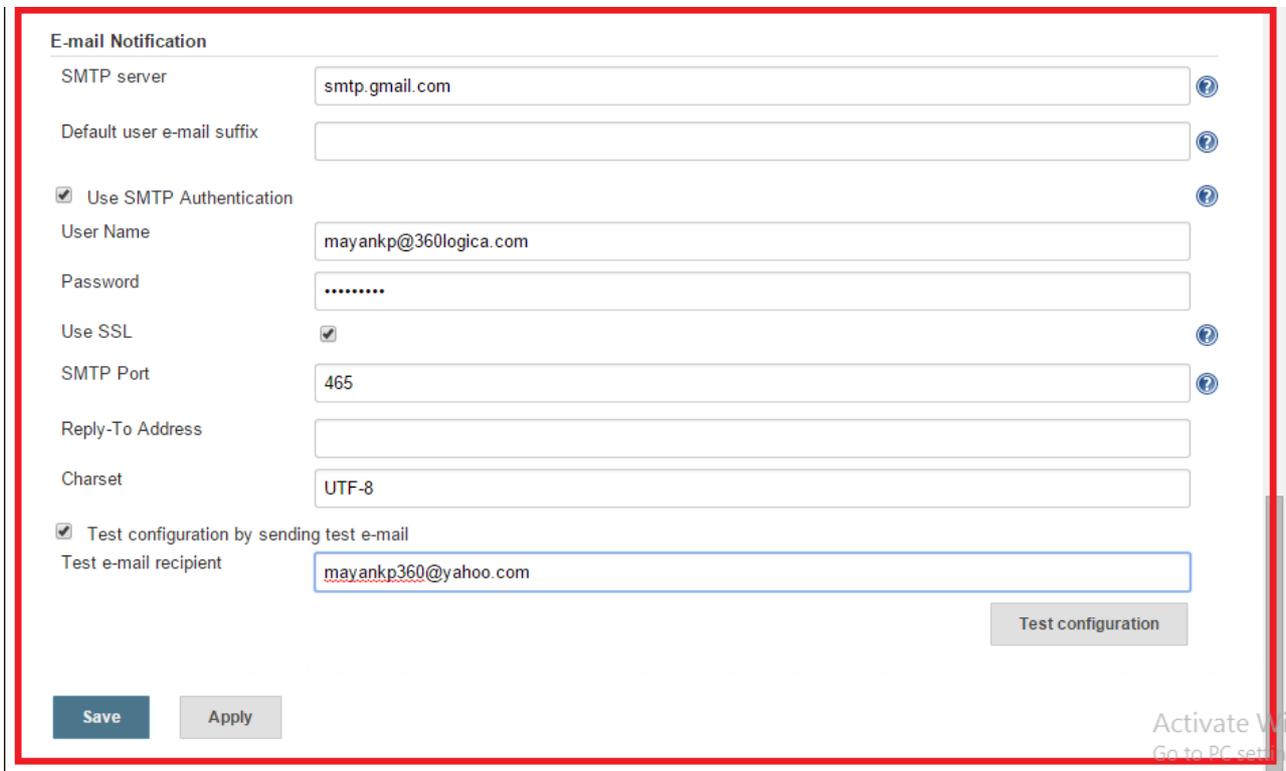




9. Enter the SMTP server name, Email address, and password, check SSL and enter SMTP port



10. Test the Jenkin Email notification by sending a test email



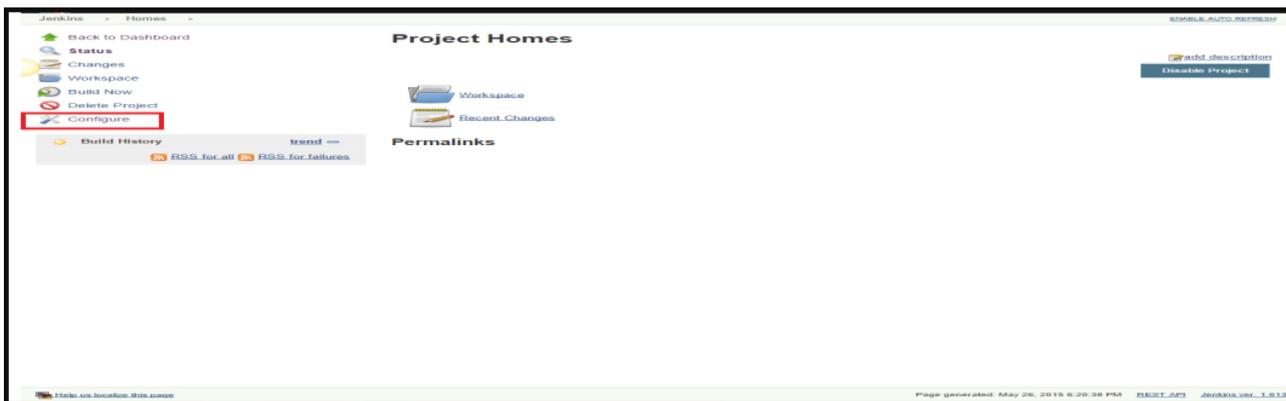
11. Save the settings

To configure the advanced properties for the plugin, click on the Override Global settings check box, then click the advanced button. This allows you to define recipients for every type of email trigger and also a pre-send script that can be used to modify the email just before sending.

12. go to the home page , click created job and then 'configure'

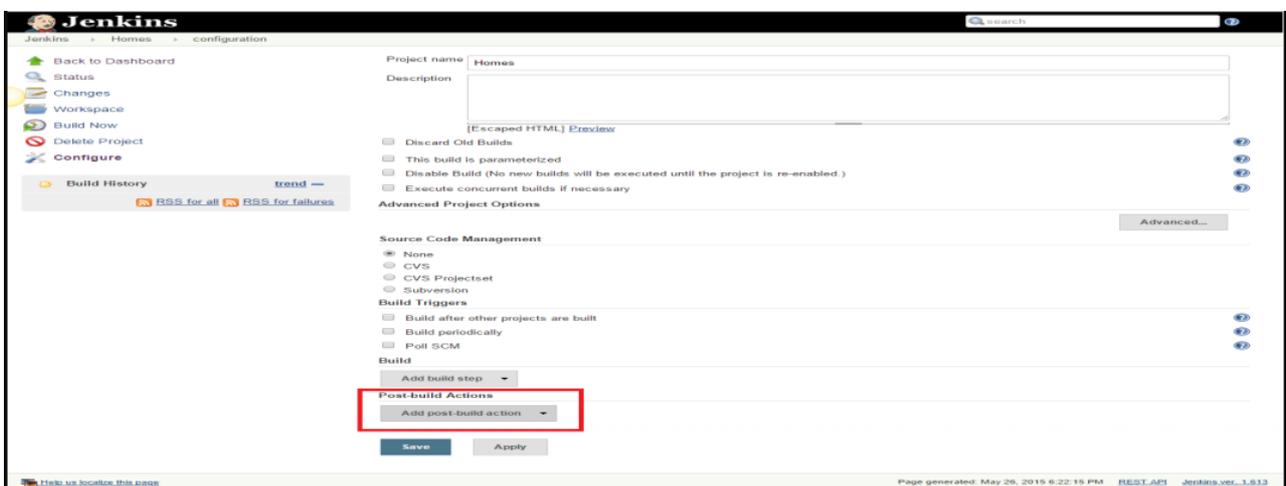


Page generated: May 26, 2015 6:19:25 PM REST_API Jenkins ver. 1.6.13

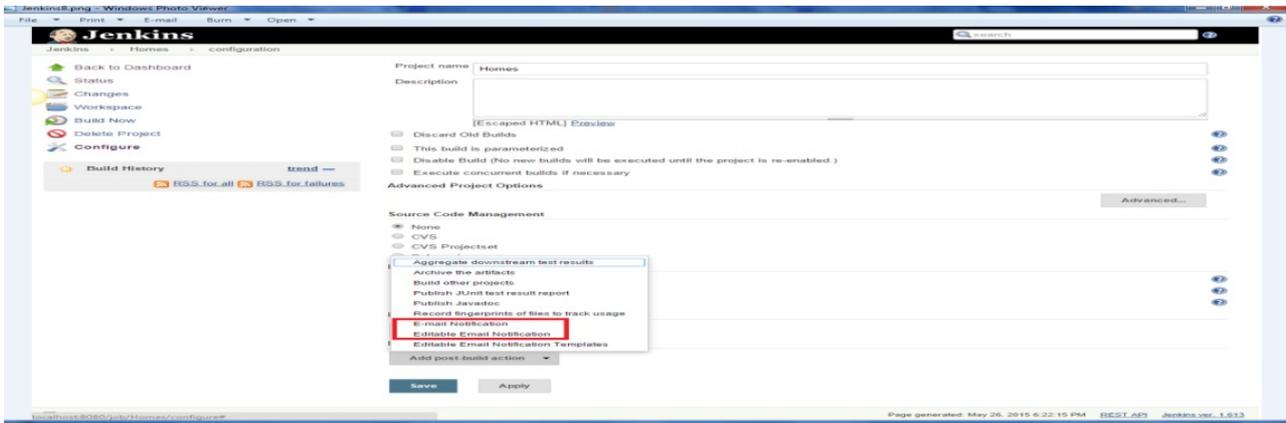


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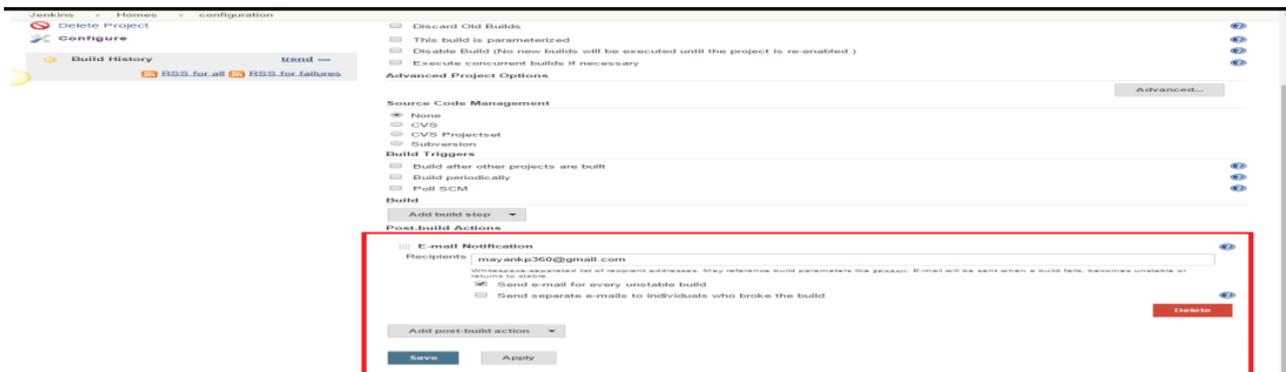
13. you can also see a dropdown with the name 'Add post-build action'



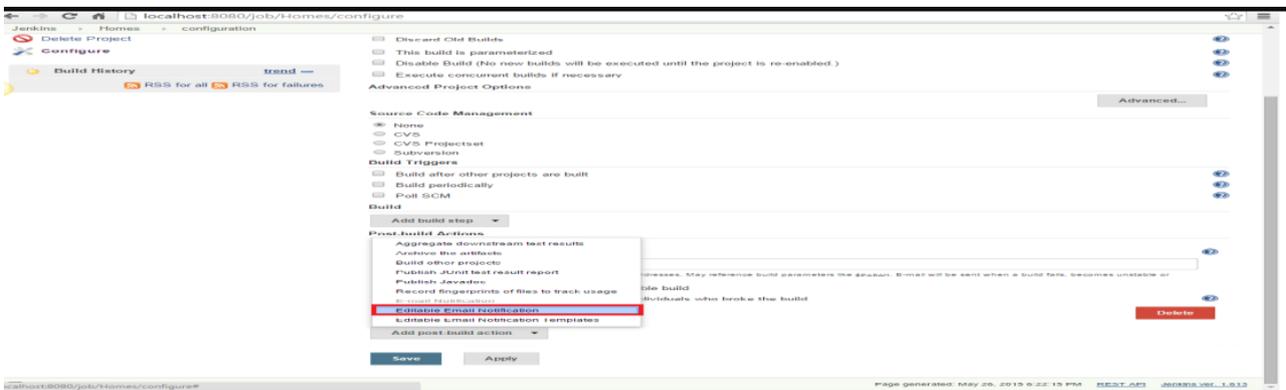
14. Select the email notification value



15. Enter the email ID of the recipient in the Email Notification box. Click the box next to it which says 'Send e-mail for every unstable build' option.

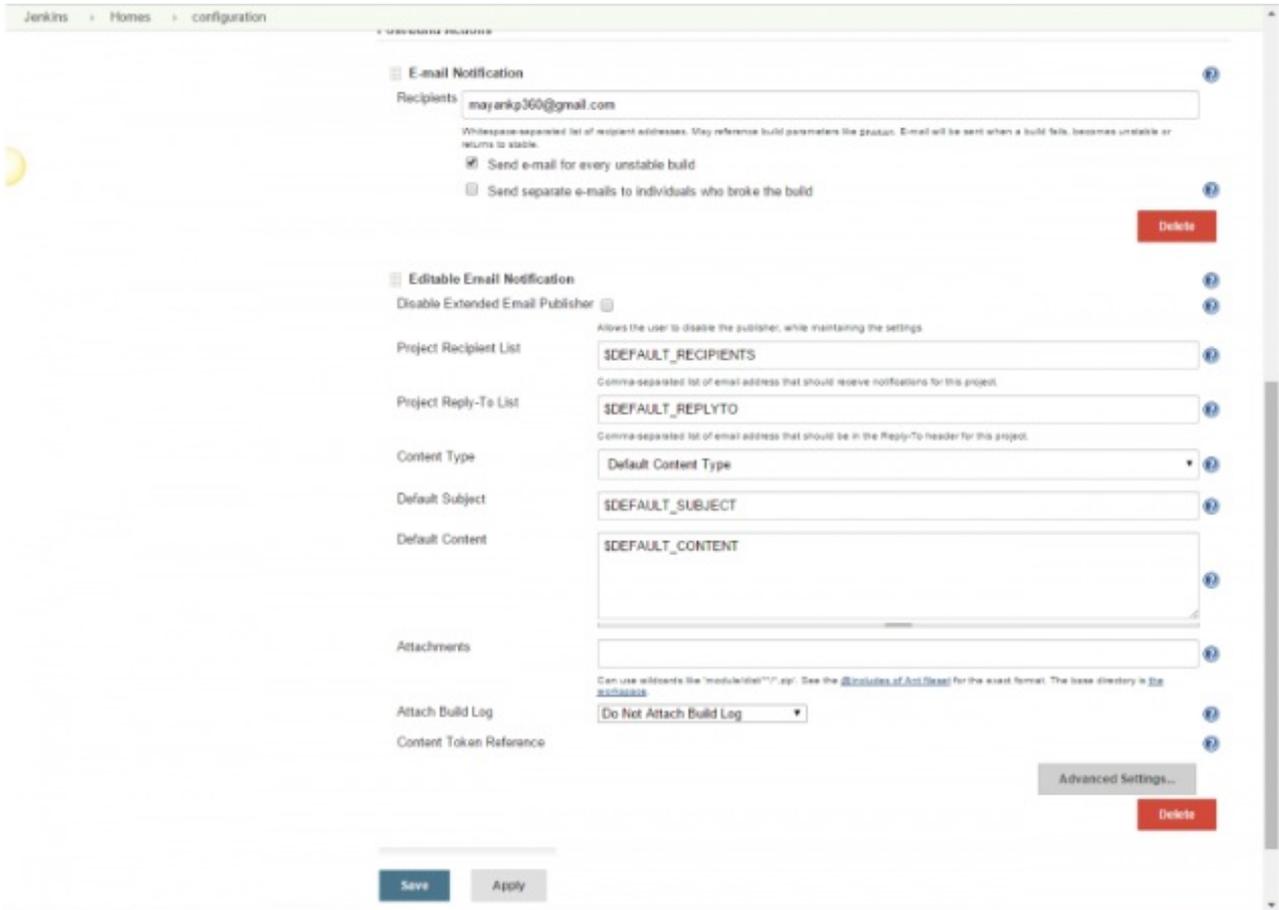


16. Click the Add-post-built action button again and select the 'Editable Email Notification' value

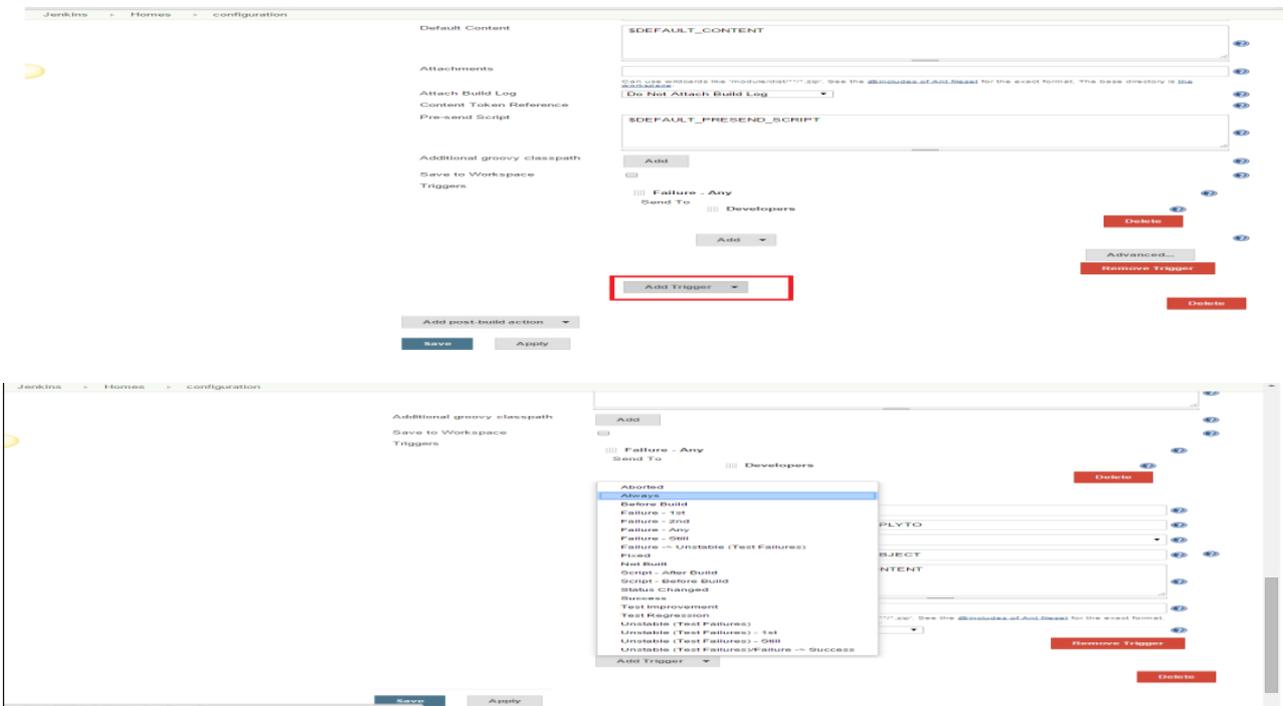


17. Fill the fields and then click the advanced settings option in the editable email notification box

Project Recipient List : email_id@gmail.com



18. Next you have to click 'Add trigger' and then select always



19. Click 'Save'

20. go to home page, click job and then 'build now'

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Start Testing

Conclusion

The main objective of using Jenkins in emails is to install and successfully configure the email-ext plugin.

Jenkins, is an open-source tool that can be used to perform Continuous Integration and build automation.

Using it, the development process can be easily integrated and the results are automatically created and tested, thus making identification of errors easier.

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