20 Steps to Configure Jenkins Email Notification

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

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<u>Tools</u> 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.



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

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	Install 🕽 N	lame	Versio
	Build Notifiers		
	Backlog Plugin This plugin integrates Backlog (for Japanese users) to .	Jenkins.	1.10
	Bibbucket Approve Plugin This Plugin enables Jenkins to approve commits on Bit	bucket after successful builds.	1.0.3
	Blame Upstream Committers Plugin This is a simple plugin that adds a post build action to r	mail upstream committers when a build fails.	1.2
	Blink1 Plugin This plugin shows build results with <u>blink(1)</u> , a tiny full-or	color status light.	1.1
	Buddycloud Plugin Sends build notifications to a buddycloud instance.		0.3.0
	Campfire Plugin This plugin allows your team to setup build notifications	to be sent to Campfire rooms.	2.7
	Copy to Stave Plugin This plugin allows to copy a set of files, from a location allows to copy files back from the workspaces of jobs is	somewhere on the master node, to jobs' workspaces. It also ocated on a slave node to their workspaces on the master one.	1.4.4
	Dimensions Plugin This plugin integrates the Serena Dimensions CM SCM	with Jenkins.	0.8.12
	 Email-ext plugin This plugin allows you to configure every aspect of emails about receive it, and what the email says. 	ail notifications. You can customize when an email is sent, who	2.40.4
	2) Email-ext Template Plugin This plugin allows you to configure templates for email-	ext that can be reused across multiple jobs.	0.4
	Extreme Notification Plugin Notifies endpoints about Jenkins events		1.0
	Google Calendar Plugin This plugin publishes build records over to Google Cale	ndar	0.4
	GCM Notification Plugin Sends build notifications to Android devices using the C	Google Cloud Messaging service.	1.0
	Sitcolony Hugin This plugin allows your team to get updated live branch	es and null requests build status into Gitcolony	1.1 Ac
	Growl Plugin		1.1_

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

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	➡ <u>Qo back to the top page</u> (you can start using the I	nstallad plugins right away) Installation is complete and no jobs are running	

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

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

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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'

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

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14. Select the email notification value

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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.

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

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

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

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- 19. Click 'Save'
- 20. go to home page, click job and then 'build now'



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 <u>Continuous Integration</u> 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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