

Step 1 Jenkins Setup for Gmail

Download & share @ <https://github.com/Salihz>

1. Make sure that the IMAP is turned on for the Gmail address you will use.
Go to this link for how to: <https://support.google.com/mail/answer/7126229?hl=en>
2. Allow Access to your same Google account you will use for Jenkins reporting.
Go to this link and click "Continue" <https://accounts.google.com/b/0/DisplayUnlockCaptcha>



3. Make sure Email Extension plugin is installed.

Go to: Manage Jenkins → Plugin Manager → Installed Tab

And check if "Email Extension" is installed. If it is not installed, click on "Available Tab" filter the results for "Email Extension" and install it.

Jenkins

2

search

SK | log out

Jenkins

ENABLE AUTO REFRESH

New Item

People

Build History

Manage Jenkins

My Views

Credentials

Build Queue

No builds in the queue.

Build Executor Status

1 Idle

2 Idle

S	W	Name ↓	Last Success	Last Failure	Last Duration
●	☀	automation-project-with-cucumber	3 hr 34 min - #89	N/A	3.1 sec
●	☀	DistrictCameraPom	4 hr 26 min - #34	N/A	3.5 sec

Icon: S M L

Legend

RSS for all

RSS for failures

RSS for just latest builds

- New Item
- People
- Build History
- Manage Jenkins
- My Views
- Credentials

Build Queue

No builds in the queue.

Build Executor Status

1 Idle

2 Idle

Manage Jenkins

 **New version of Jenkins (2.132) is available for download (changelog).** Or Upgrade Automatically

Warnings have been published for the following currently installed components:


- Jenkins 2.74 core and libraries:
 - Multiple security vulnerabilities in Jenkins 2.120 and earlier, and LTS 2.107.2 and earlier
 - Multiple security vulnerabilities in Jenkins 2.88 and earlier, and LTS 2.73.2 and earlier
 - Multiple security vulnerabilities in Jenkins 2.106 and earlier, and LTS 2.89.3 and earlier
 - Multiple security vulnerabilities in Jenkins 2.83 and earlier, and LTS 2.73.1 and earlier
 - Multiple security vulnerabilities in Jenkins 2.94 and earlier, and LTS 2.89.1 and earlier
 - Multiple security vulnerabilities in Jenkins 2.115 and earlier, and LTS 2.107.1 and earlier
- GitHub Branch Source Plugin 2.2.3:
 - Server-side request forgery
- Pipeline: Nodes and Processes 2.13:
 - Incorrect permission checks allow executing builds on agents without Computer/Build p
- Subversion Plug-in 2.9:
 - Users without Overall/Read are able to access lists of user names and node names
- Script Security Plugin 1.33:
 - Arbitrary file read vulnerability
- Credentials Binding Plugin 1.13:
 - Improper masking of secrets in rare circumstances
- Pipeline: Supporting APIs 2.14:
 - Arbitrary code execution due to incomplete sandbox protection
- GitHub plugin 1.28.0:
 - Server-side request forgery
 - CSRF vulnerability and lack of permission checks allows capturing credentials
 - CSRF vulnerability and insufficient permission checks allow capturing credentials
- Mailer Plugin 1.20:
 - Unauthorized users able to send test emails
- Email Extension Plugin 2.58:
 - SMTP password gets transmitted in unencrypted form
- Ant Plugin 1.6:
 - Cross-site scripting (XSS) vulnerability
- JUnit Plugin 1.21:
 - XML External Entity (XXE) processing vulnerability
- Git plugin 3.5.1:
 - Server-side request forgery
 - Users without Overall/Read are able to access lists of user names and node names
- SSH Credentials Plugin 1.13:
 - Arbitrary file read vulnerability with Credentials Binding Plugin 1.13 or newer

Go to plugin manager

Configure which of these warnings are shown

Restore the previous version of Jenkins

Downgrade to 2.71

 **Configure System**

Configure global settings and paths.

Updates	Available	Installed	Advanced		
Enabled		Name ↓	Version	Previously installed version	Uninstall
<input checked="" type="checkbox"/>		Ant Adds Apache Ant support to Jenkins	1.6		<div>Uninstall</div>
<input checked="" type="checkbox"/>		Authentication Tokens API Plugin This plugin provides an API for converting credentials into authentication tokens in Jenkins.	1.3		<div>Uninstall</div>
<input checked="" type="checkbox"/>		bouncycastle API This plugin provides an stable API to Bouncy Castle related tasks.	2.16.2		<div>Uninstall</div>
<input checked="" type="checkbox"/>		Branch API This plugin provides an API for multiple branch based projects.	2.0.11		<div>Uninstall</div>
<input checked="" type="checkbox"/>		Build Timeout This plugin allows builds to be automatically terminated after the specified amount of time has elapsed.	1.18		<div>Uninstall</div>
<input checked="" type="checkbox"/>		Credentials This plugin allows you to store credentials in Jenkins.	2.1.14		<div>Uninstall</div>
<input checked="" type="checkbox"/>		Credentials Binding Allows credentials to be bound to environment variables for use from miscellaneous build steps.	1.13		<div>Uninstall</div>
<input checked="" type="checkbox"/>		Display URL API Provides the DisplayURLProvider extension point to provide alternate URLs for use in notifications	2.0		<div>Uninstall</div>
<input checked="" type="checkbox"/>		Docker Commons Provides the common shared functionality for various Docker-related plugins.	1.8		<div>Uninstall</div>
<input checked="" type="checkbox"/>		Docker Pipeline Build and use Docker containers from pipelines.	1.12		<div>Uninstall</div>
<input checked="" type="checkbox"/>		Durable Task Library offering an extension point for processes which can run outside of Jenkins yet be monitored.	1.14		<div>Uninstall</div>
<input checked="" type="checkbox"/>		Email Extension 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	2.58		<div>Uninstall</div>
<input checked="" type="checkbox"/>		External Monitor Job Type Plugin Adds the ability to monitor the result of externally executed jobs	1.7		<div>Uninstall</div>

4. Now we can continue for email set up.

Go to: "Manage Jenkins" → "Configure System"

Build History

Manage Jenkins

My Views

Credentials

Build Queue

No builds in the queue.

Build Executor Status

1 Idle

2 Idle

New version of Jenkins (2.132) is available for Warnings have been published for the following

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- SSH Credentials Plugin 1.13:
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Go to plugin manager

Configure which of t

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Downgrade

Configure System

Configure global settings and paths.

5. In the "Configuration" page, go to "Jenkins Location" and enter your Gmail address as shown below:

Jenkins Location

Jenkins URL

http://localhost:8080/

Please set a valid host name, instead of localhost

System Admin e-mail address

Jenkins Reports<[redacted]@gmail.com>

GitHub

6. At the "Extend E-mail Notification" field, Click on "Advanced" button

Extended E-mail Notification

SMTP server

Default user E-mail suffix

Default Content Type

Plain Text (text/plain)

Advanced...

7. Complete the "Extend E-mail Notification" as shown below

Then click on the "Default Content Type", choose "Plain Text" or "HTML"

The screenshot shows the 'Extended E-mail Notification' configuration form. The following fields and options are highlighted with red circles:

- Extended E-mail Notification** (Section Header)
- SMTP server**: smtp.gmail.com
- Default user E-mail suffix**: @gmail.com
- ☒ **Use SMTP Authentication**
- User Name**: calmseas100@gmail.com
- Password**: (masked with dots)
- ☒ **Use SSL**
- SMTP port**: 465
- Charset**: UTF-8
- Default Content Type**: A dropdown menu is open, showing 'Plain Text (text/plain)' (selected) and 'HTML (text/html)'.
- ☐ **Use List-ID Email Header**

8. Go to "Email Notification" field and click "Advanced" button

The screenshot shows the 'E-mail Notification' configuration form. The following fields and options are visible:

- E-mail Notification** (Section Header)
- SMTP server**: (empty field)
- Default user e-mail suffix**: (empty field)
- ☐ **Test configuration by sending test e-mail**
- Advanced...** button (highlighted with a red circle)

9. Complete this field as shown below, then click on "Test configuration" button

The screenshot shows the Jenkins SMTP configuration page. Red circles and rectangles highlight the following elements: the 'E-mail Notification' section header, the 'SMTP server' field (smtp.gmail.com), the 'Default user e-mail suffix' field (@gmail.com), the 'Use SMTP Authentication' checkbox (checked), the 'User Name' field (calmesout10@gmail.com), the 'Password' field (masked with dots), the 'Use SSL' checkbox (checked), the 'SMTP Port' field (465), the 'Reply-To Address' field (calmesout10@gmail.com), the 'Charset' field (UTF-8), the 'Test configuration by sending test e-mail' checkbox (checked), the 'Test e-mail recipient' field (masked email), the 'Test configuration' button, the 'Save' button, and the 'Apply' button.

E-mail Notification

SMTP server: smtp.gmail.com

Default user e-mail suffix: @gmail.com

☒ Use SMTP Authentication

User Name: calmesout10@gmail.com

Password:

☒ Use SSL

SMTP Port: 465

Reply-To Address: calmesout10@gmail.com

Charset: UTF-8

☒ Test configuration by sending test e-mail

Test e-mail recipient: [redacted]@gmail.com

Test configuration

Save **Apply**

10. After clicking the "Test configuration" button you will see "Email was successfully sent" text as seen below picture. And, an e-mail must be received from Jenkins by the e-mail address you used for test.

This screenshot shows the same Jenkins SMTP configuration page after a successful test. A red circle highlights the 'Email was successfully sent' message. The 'Test configuration' button is also highlighted with a blue border.

Charset: UTF-8

☒ Test configuration by sending test e-mail

Test e-mail recipient: [redacted]@gmail.com

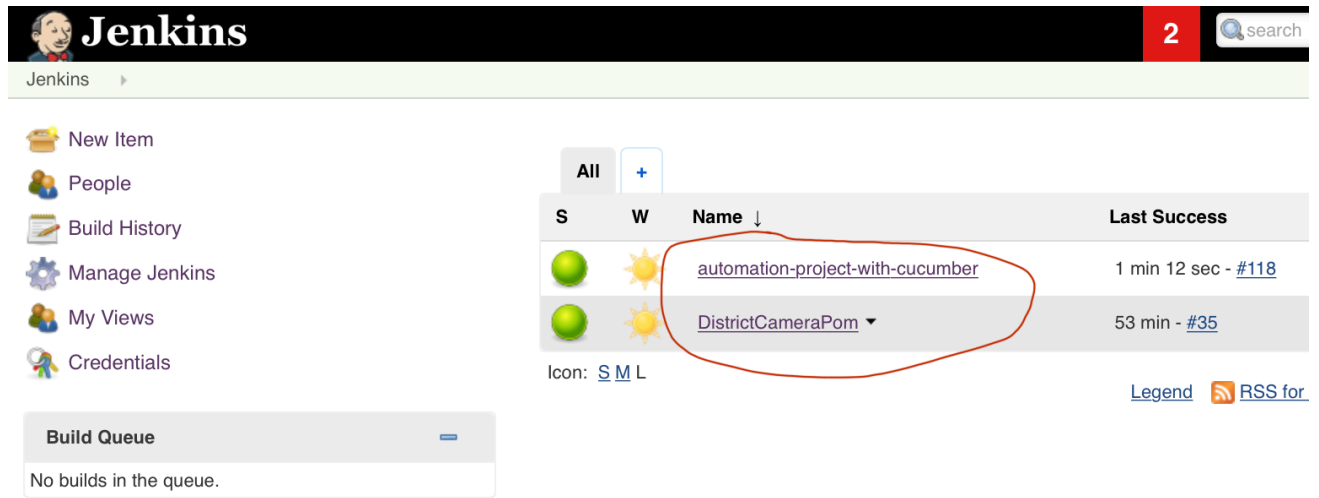
Email was successfully sent

Test configuration

Save **Apply**

Step 2 Jenkins Setup for Gmail

1. Go to your builds and click the one you prefer to receive an email report from



The screenshot shows the Jenkins dashboard. On the left is a sidebar with navigation links: New Item, People, Build History, Manage Jenkins, My Views, and Credentials. The main area displays a table of builds. The first row is for 'automation-project-with-cucumber' and the second for 'DistrictCameraPom'. The 'DistrictCameraPom' row is circled in red. Below the table, there are links for 'Legend' and 'RSS for'. On the left, there is a 'Build Queue' section indicating 'No builds in the queue.'

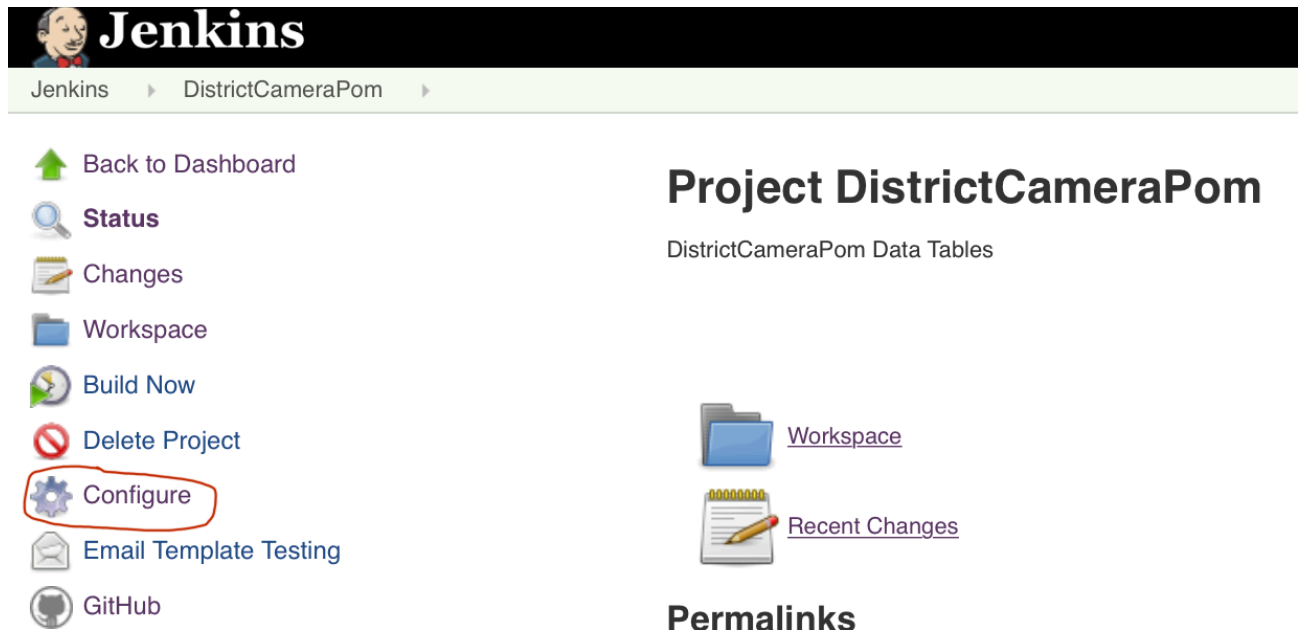
S	W	Name ↓	Last Success
		automation-project-with-cucumber	1 min 12 sec - #118
		DistrictCameraPom ▼	53 min - #35

Icon: [S](#) [M](#) [L](#)

[Legend](#) [RSS for](#)

Build Queue
No builds in the queue.

2. Click on "Configure"



The screenshot shows the Jenkins configuration page for the 'DistrictCameraPom' project. The left sidebar contains links: Back to Dashboard, Status, Changes, Workspace, Build Now, Delete Project, Configure (circled in red), Email Template Testing, and GitHub. The main area is titled 'Project DistrictCameraPom' and includes a link to 'DistrictCameraPom Data Tables'. Below this are links for 'Workspace' and 'Recent Changes'. At the bottom, there is a section for 'Permalinks'.

Project DistrictCameraPom

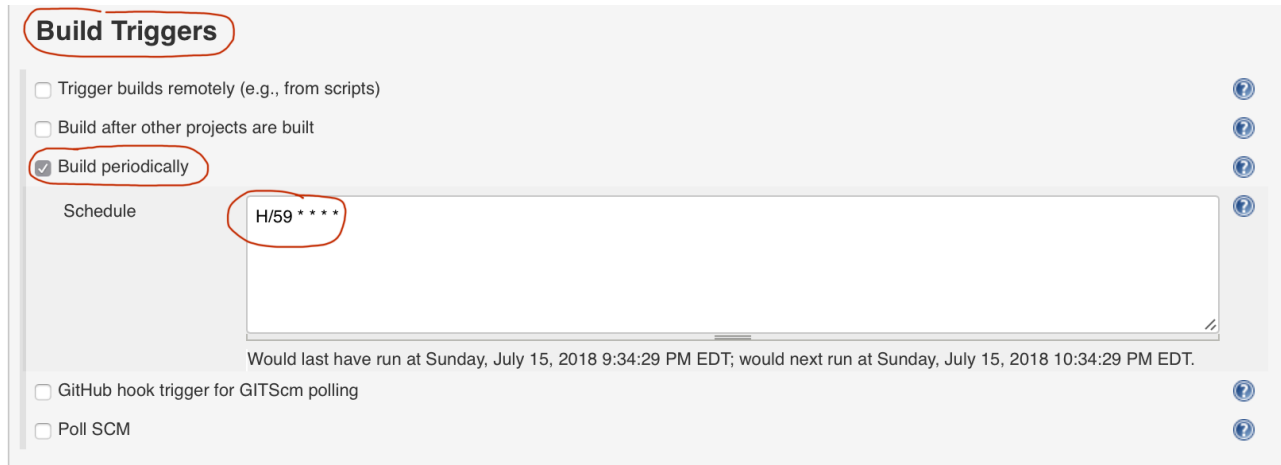
DistrictCameraPom Data Tables


[Workspace](#)

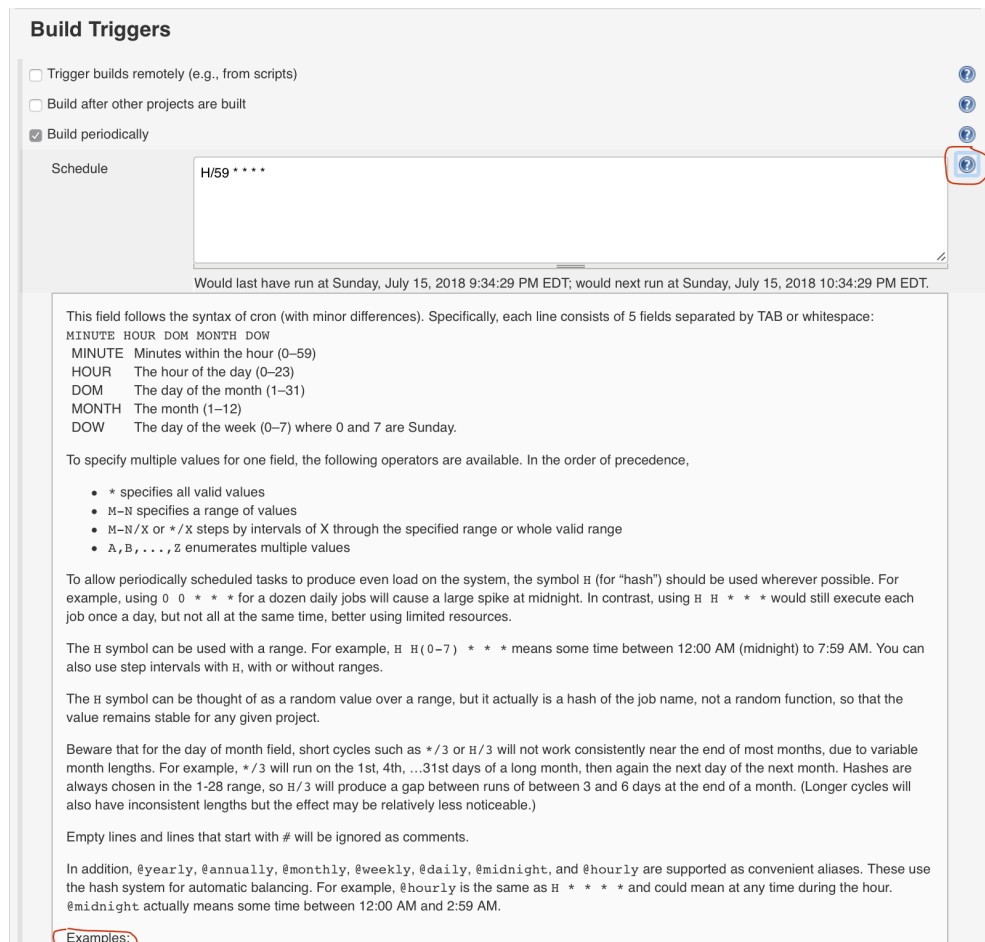
[Recent Changes](#)

Permalinks

3. At "Build Triggers" field, check "Build periodically" box and enter "Schedule"
In this example Jenkins will build every other 59 minutes (H/59****)



If you click on  mark next to "Schedule" field you can access the syntax and examples.



External sources for Schedule:

<https://www.lenar.io/jenkins-schedule-build-periodically/>

4. Go to "Post-build Actions" field and enter the "Project Recipient List" can be multiple recipient (click on question button to see how)

Post-build Actions

Editable Email Notification X ?

Disable Extended Email Publisher ☐ ?

Allows the user to disable the publisher, while maintaining the settings

Project Recipient List ?

Comma-separated list of email address that should receive notifications for this project.

This is a comma separated list (optional whitespace after commas) of email addresses that should receive emails. May contain references to build parameters. To CC or BCC someone instead of putting them in the To list, add cc: or bcc: before the email address (e.g., cc:someone@example.com, bcc:bob@example.com).

5. If you like to attach the "Build Log" to the email click on "Attach Build Log" button and choose from drop down (see next two pictures)

Attachments

Can use wildcards like 'module/dist/**/*.zip'. See the [@includes of Ant fileset](#) for the exact format. The base directory is [the workspace](#).

Attach Build Log

Content Token Reference

Advanced Settings...

Add post-build action ▼

Attachments

Can use wildcards like 'module/dist/**/*.zip'. See the [@includes of Ant fileset](#) for the exact format. The base directory is [the workspace](#).

Attach Build Log

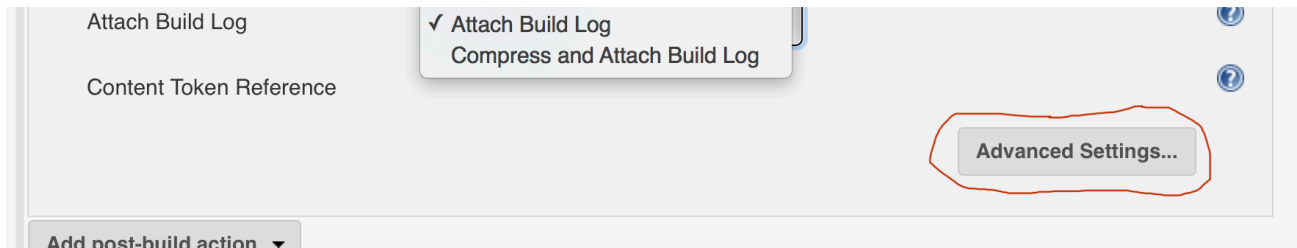
Content Token Reference

Do Not Attach Build Log
✓ Attach Build Log
Compress and Attach Build Log

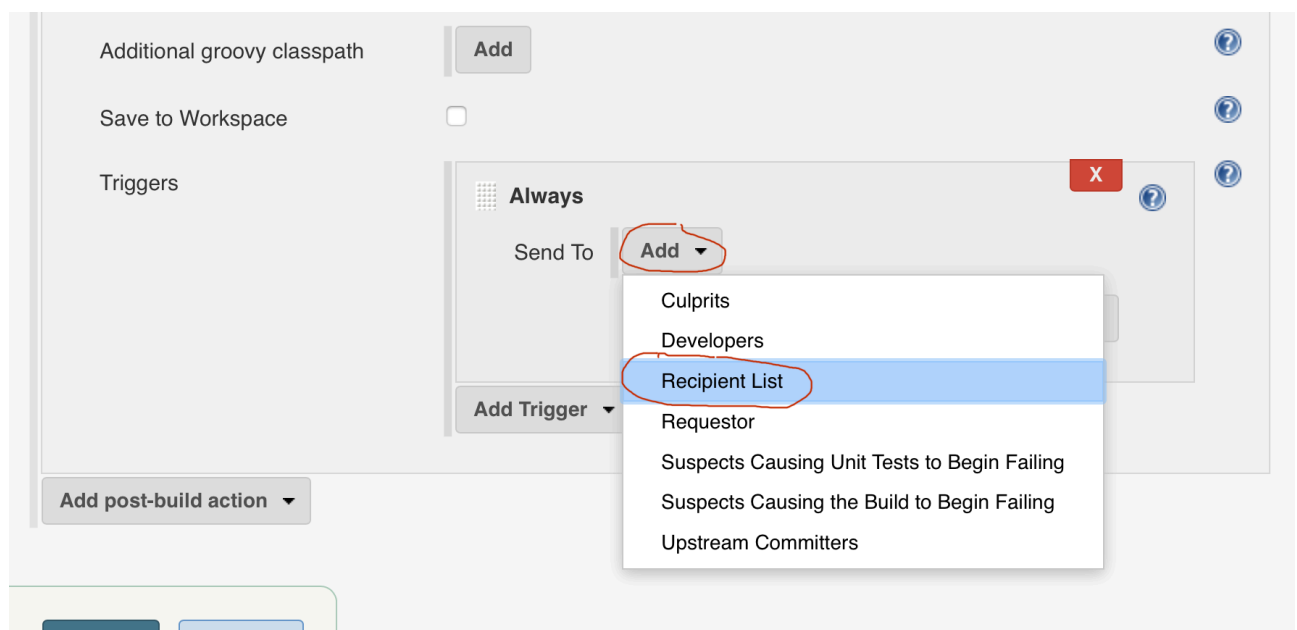
Advanced Settings...

Add post-build action ▼

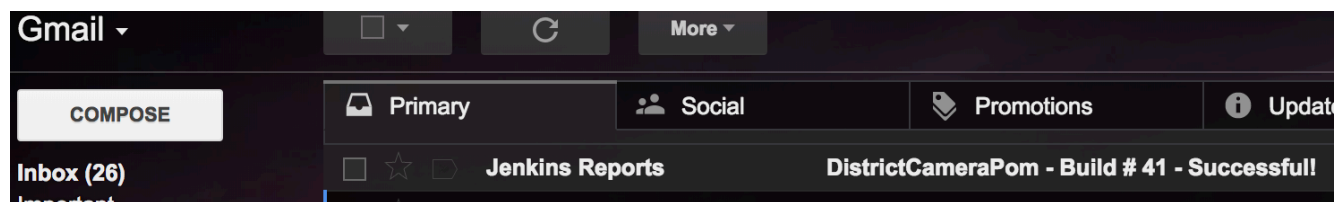
6. After done with attachment click on "Advanced Settings" button



7. Click on "Add" and select "Recipient List" (because we set "Recipient List" in the step 4 above) and click on "Apply" and/or "Save" button(s)



8. After first triggered or manually build you should receive an email report. Open the email.



9. To view the console output results, click on the link (see console Output pic below)

To view the build log, click on the attachment or go to above mentioned link.

DistrictCameraPom - Build # 41 - Successful!



Inbox x



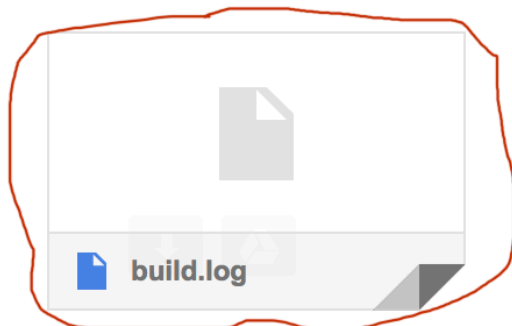
Jenkins Reports

to me ▾


🔒 10:41

DistrictCameraPom - Build # 41 - Successful:

Check console output at <http://localhost:8080/job/DistrictCameraPom/41/> to view the results.



Click on console output then click on "View as plain text" to see build log

**Jenkins**2

Jenkins > DistrictCameraPom > #41

Back to Project

Status

Changes

Console Output

View as plain text

Edit Build Information

Delete Build

Git Build Data

No Tags

Previous Build

Timestamps

☒ System clock time

☐ Use browser timezone

☐ Elapsed time

☐ None

[View as plain text](#)

to download or share this document go to: github.com/Salihz

Console Output

```
22:49:38 Started by user SK
22:49:38 Building in workspace /Users/sk/.jenkins/workspace/DistrictCameraPom
22:49:38 > git rev-parse --is-inside-work-tree # timeout=10
22:49:38 Fetching changes from the remote Git repository
22:49:38 > git config remote.origin.url https://github.com/Salihz/DistrictCameraPOM.git #
22:49:38 Fetching upstream changes from https://github.com/Salihz/DistrictCameraPOM.git
22:49:38 > git --version # timeout=10
22:49:38 > git fetch --tags --progress https://github.com/Salihz/DistrictCameraPOM.git
+refs/heads/*:refs/remotes/origin/*
22:49:38 > git rev-parse refs/remotes/origin/master^{commit} # timeout=10
22:49:38 > git rev-parse refs/remotes/origin/origin/master^{commit} # timeout=10
22:49:38 Checking out
22:49:38 Commit message: "Cukes Update"
22:49:38 > git config core.sparsecheckout # timeout=10
22:49:38 > git checkout -f
22:49:38 > git rev-list
# timeout=10
22:49:38 No emails were triggered.
22:49:38 [DistrictCameraPom] $ /usr/local/Cellar/maven/3.5.0/bin/mvn -f
/Users/sk/Documents/workspace/DistrictCamera/pom.xml test "-Dcucumber.options=-tags @smok
22:49:40 [INFO] Scanning for projects...
22:49:40 [INFO]
22:49:40 [INFO] -----
22:49:40 [INFO] Building DidtrictCamera 0.0.1-SNAPSHOT
22:49:40 [INFO] -----
22:49:40 [INFO]
22:49:40 [INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ DidtrictCam
22:49:41 [WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.
```

Links:

<https://jenkins.io>

<https://wiki.jenkins.io/display/JENKINS/Home>

<https://issues.jenkins-ci.org/secure/Dashboard.jspa>