

## DevOps Tools Integration – Part I

**Jenkins:** *An extendable open source continuous integration server.* In a nutshell Jenkins CI is the leading open-source continuous integration server. Built with Java, it provides over 300 plugins to support building and testing virtually any project.

**Continuous Integration** is a process of integrating code changes from multiple developers in a single project many times. The software is tested immediately after a code commit/push. With each code commit/push, code is built and tested. If the test is passed, the build is tested for deployment. If the deployment is successful, the code is pushed to production.

This commit/push, build, test, and deploy is a continuous process and hence the name continuous integration/deployment.

### To Enable email in Jenkins

- **Email - Enable below for your Google Account**
  1. Enable access to less secured apps for your gmail account
  2. Unlock captcha by going to this link <https://accounts.google.com/DisplayUnlockCaptcha> and click continue [ This needs to be done once per each Jenkins VM ]

For step 1, you can find it by searching. Or check this link

[https://support.google.com/mail/answer/7126229?visit\\_id=637603221486917718-1790337054&rd=2#cantsignin&zippy=%2Ci-cant-sign-in-to-my-email-client](https://support.google.com/mail/answer/7126229?visit_id=637603221486917718-1790337054&rd=2#cantsignin&zippy=%2Ci-cant-sign-in-to-my-email-client)

- **Email - Configure Jenkins**

Manage Jenkins -> Configure System  
Extended email notification settings (Install this plugin if not already installed) Use the settings as required from the above support link  
You need to give your Gmail username and password  
SMTP Server : smtp.gmail.com,  
SMTP Port : 587  
<< Click on Advanced... option>>  
SMTP Username: <Your\_Gmail\_userid>. Note: without @gmail.com  
SMTP Password: <Your Gmail password>  
Enable 'Use TLS' option – checkbox  
Default User Email prefix : @gmail.com  
Default recipients : <your full email id > and any other default email-ids
- **Email - Job Configuration**

In the Job configuration, we can add post build step to send email and configure it as required. By general email is sent only on failure. We can change it to 'Always' in advanced configuration settings.  
Other details:  
(1) Single-Sign-OnorEnableadmin-devops@abcd.com  
(2) To/Cclist-groupnamesupport