



# Jenkins

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*Jenkins: Infrastructure as Code*

## *JENKINS : Code Pipeline*

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- Jenkins Allows User to Manage the Jenkins Job via **UI Parameters**.
- This may introduce few Problems:
  - No Proper Audit Trail.
  - No History of Changes.
  - Developers Dependency on DevOps or System Admin.
  - Difficult to Back & Restore.

## *JENKINS : Code Pipeline*

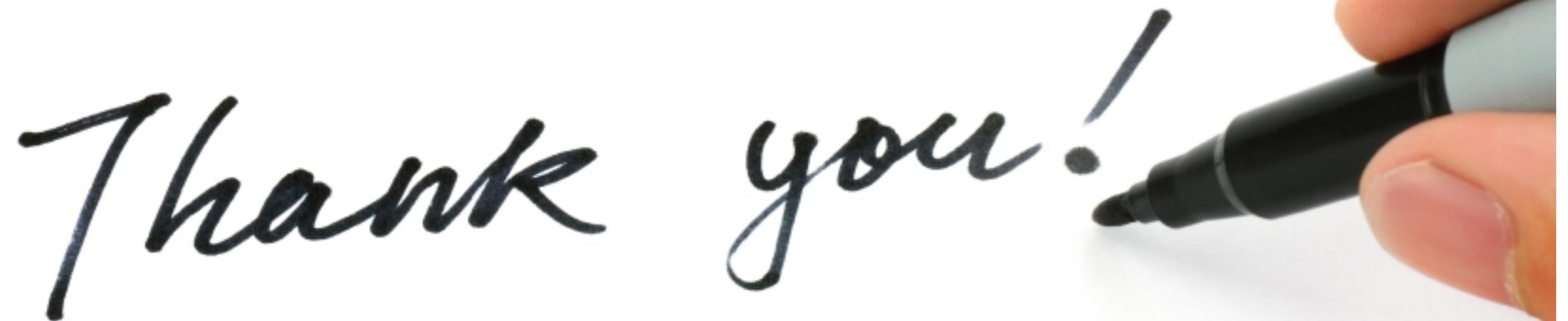
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- The Solution is **write Jenkins Job in Code** and save it in SCM.
- Infrastructure as code (**IaC**) is the ability to programmatically manage and provision an entire technology stack through code, rather than using manual and complex processes.
- Version Control provide the **History** and **Audit Trail**.
- Easy **Roll Back** to prior version of Jobs and Builds.
- Allow Developers to **Bundle build instruction** with their Application Code.

*Will see you in Next Lecture...*

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*Thank you!*

A close-up photograph of a hand holding a black marker, writing the words 'Thank you!' in a cursive script on a white surface. The hand is positioned on the right side of the frame, with the fingers gripping the marker. The text is written in a fluid, handwritten style.

*See you in next lecture ...*