Today we will learn about Scheduling of Automation Job with Jenkins along with email notification.  
  
📌Scheduling test automation execution jobs in Jenkins ensures regular and timely validation of software changes, promoting continuous integration and early detection of defects, ultimately enhancing software quality and reliability.  
  
📌To schedule a job in Jenkins using a Groovy script, you can use the pipeline syntax along with the cron syntax for scheduling.  
  
\*\*\*\*\*\*  
pipeline {  
agent any  
  
triggers {  
cron('H 4 \* \* 1-5') // Schedule: every weekday at 4 AM  
}  
  
stages {  
stage('Example Stage') {  
steps {  
// Your build steps go here  
}  
}  
}  
  
post {  
always {  
// Your post-build actions go here  
emailext(  
subject: 'Build Status - ${currentBuild.currentResult}',  
body: 'The build status is: ${currentBuild.currentResult}',  
to: '[your-email@example.com](mailto:your-email@example.com)',  
attachLog: true  
)  
}  
}  
}  
\*\*\*\*\*\*  
  
📌Explanation of code:  
  
👉The cron expression 'H 4 \* \* 1-5' schedules the job to run every weekday (Monday to Friday) at 4 AM.  
  
👉The emailext step in the post section sends an email notification after the build execution. You need to configure the email settings in Jenkins before using this.  
  
Remember to install the "Email Extension Plugin" in Jenkins to use the emailext step. You can find this plugin in the Jenkins Plugin Manager.  
  
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⛔️ What should be the frequency of execution? ⁉  
  
The ideal scheduling period depends on your project's requirements. For example, you might schedule builds more frequently for a rapidly changing codebase or less frequently for a stable project.  
  
Similar topics has been explained in my sessions, you can check the same.  
  
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📌1:1 Call for Guidance on how to start career in sdet & automation, tips to crack coding rounds: <https://lnkd.in/ddayTwnq> (Use code "Thanksgiving" for additional discount)  
  
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