Etech Consulting Devops Master Class

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Jenkins parallel and multibranch pipeline

Group level project9

Pipeline Design:

1. Create a group repo and configure a parallel Jenkins build jobs as follows:
   - Each parallel job should contains at least two stages by two different team members
   - Each team member should write a bash script as part of their contribution in which the script will check for operating system statistics, check the status of Jenkins

2. Run your pipeline and take a screenshot of the blue ocean dashboard and submit as part of your report
3. Write down two advantages of Jenkins multipipeline
4. Use your solutions in question 1 to build your multibranch pipeline
   - Send build logs and screenshot of Jenkins build from all branches
   - Send us screenshot of 'Github hook log' from your Jenkins UI
5. How can you ensure that a developer or junior engineer do not deploy codes directly into main branch ?
6. If you get the solutions from question 5, modify your design such that it includes checks to make sure the flow goes feature→develop->Main
7. Send us screenshot of you redesign

   "Please take the time to complete all these tasks with your group members and come on Saturday prepared for followup questions"

"Thanks for choosing Etech Consulting for your Devops Training"