Cloud Computing: UE20CS252

Assignment 2 - Jenkins (Creating a DevOps Pipeline, CI/CD tool)

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Screenshots:

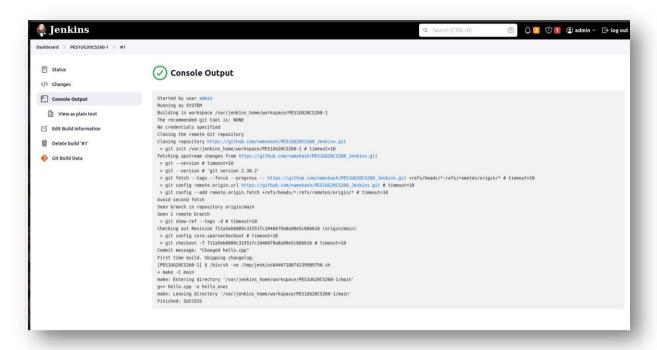
Task 1:

1. Screenshot of the running Docker Container after installing Jenkins

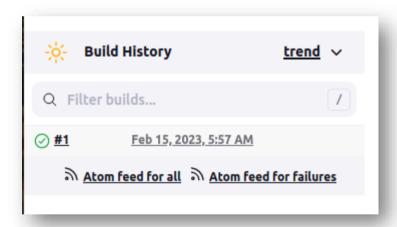
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Task 2:

1. Picture showing the console output after the build is successful

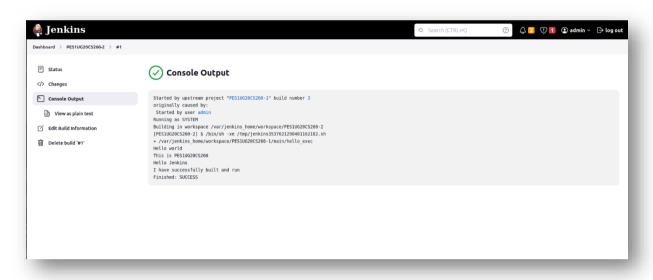


2. Picture showing the Stable state of the task in Build History of Jenkins

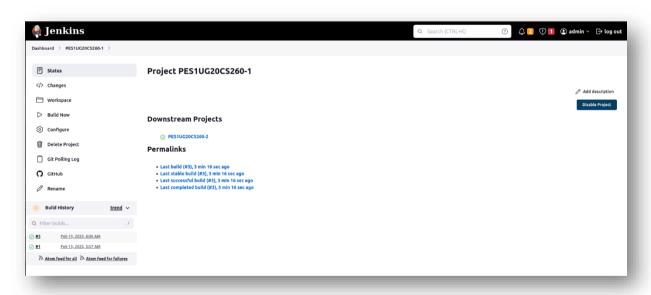


Task 3:

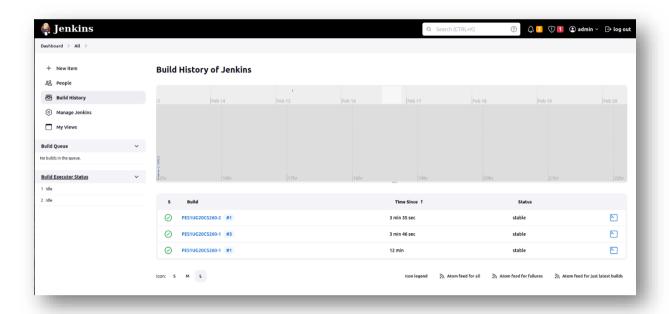
1. Console output of second job



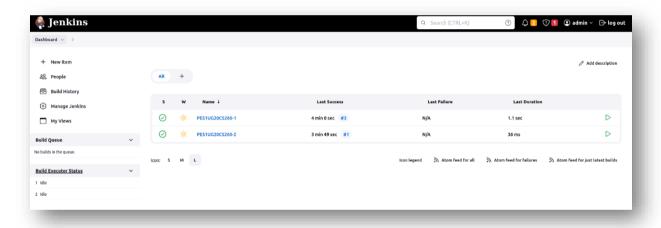
2. Status page of first job



3. Build History of Jenkins

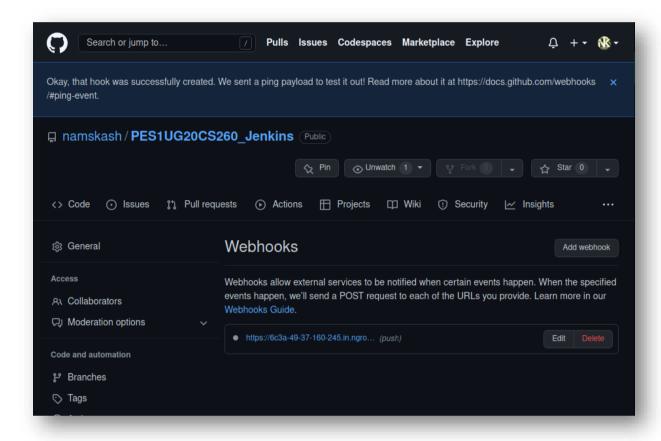


4. Jenkins Dashboard

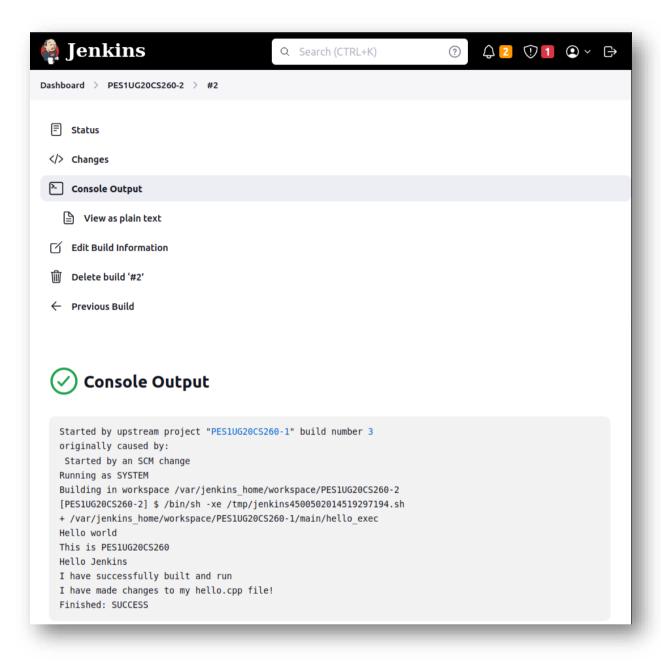


Task 4:

1. Webhook added to your GitHub repository



2. Console Output of second job displaying the change made in hello.cpp file.

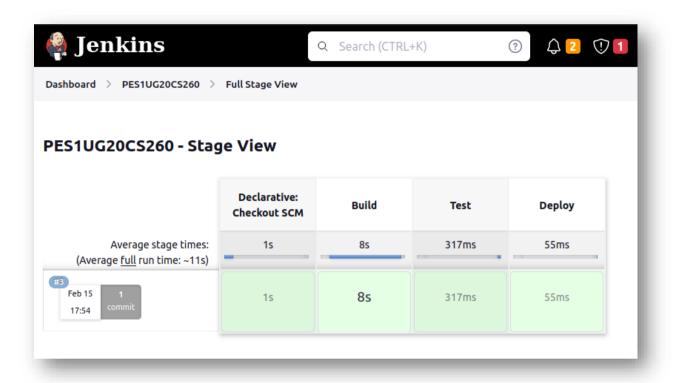


Task 5:

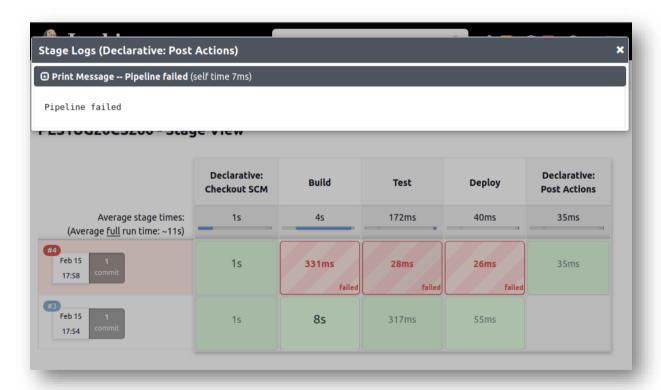
1. Code/script written to create basic pipeline using GitHub repository

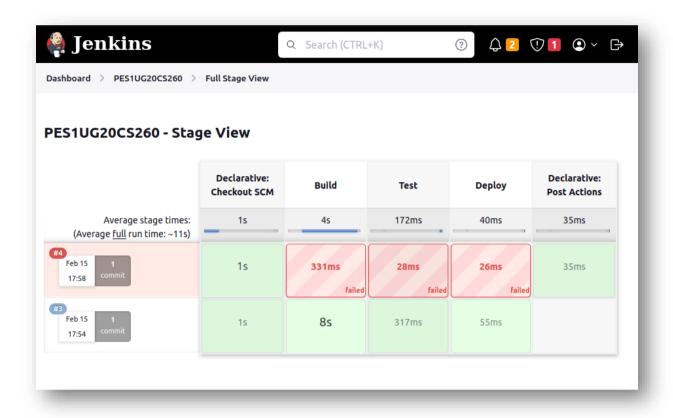
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40 lines (36 sloc) | 382 Bytes
                                                                                   Raw Blame
pipeline
    agent any
        stage('Build')
                sh 'g++ -o PES1UG20CS260_task5 PES1UG20CS260_task5.cpp'
        stage('Test')
                sh './PES1UG20CS260_task5'
        stage('Deploy')
                echo 'Deployment'
            echo 'Pipeline failed'
```

- 2. Output of working created pipeline:
 - Stage view / Execution status of pipeline with all stages succeeded



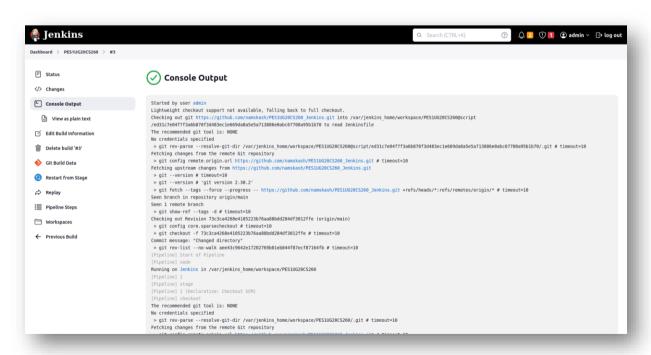
• Verify Declarative: Post Actions stage succeed for handling failures.



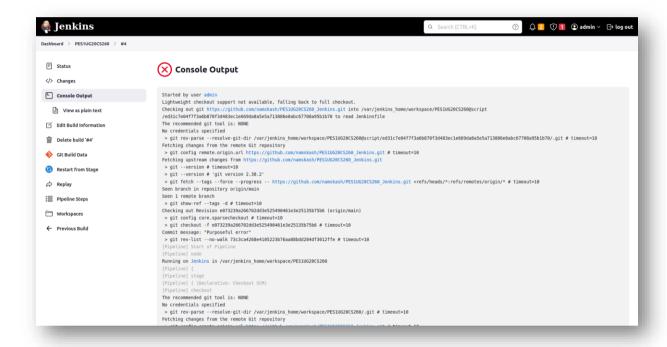


3. Console Output of the Pipeline

SUCCESS



FAILURE



4. Link to the created GitHub repository

Link: https://github.com/namskash/PES1UG20CS260_Jenkins.git