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Hosting a Node js Application Using Jenkins pipeline

Code:

```
pipeline{
  agent {
    label 'agent1'
  }
  stages{
    stage('Pull a file from git')
    {
      steps{
        git 'https://github.com/Mayur2905/TicTacToe.git'
      }
    }
    stage('Building the app')
    {
      steps{
        sh 'sudo apt install node -y'
        sh 'sudo apt install npm -y'
        sh 'npm install'
      }
    }
    stage('Running the app')
    {
      steps{
        sh 'npm run start&'
      }
    }
  }
}
```

Code Overview:

Overview

This pipeline is designed to pull a file from a Git repository, build a Node.js application, and run the application.

Pipeline Structure

- Agent: The pipeline is configured to run on an agent labeled 'agent1'.
- Stages: The pipeline consists of several stages, each representing a distinct phase of the build and deployment process.

Stages

Pull a file from git

- This stage clones the TicTacToe repository (<https://github.com/Mayur2905/TicTacToe.git>).

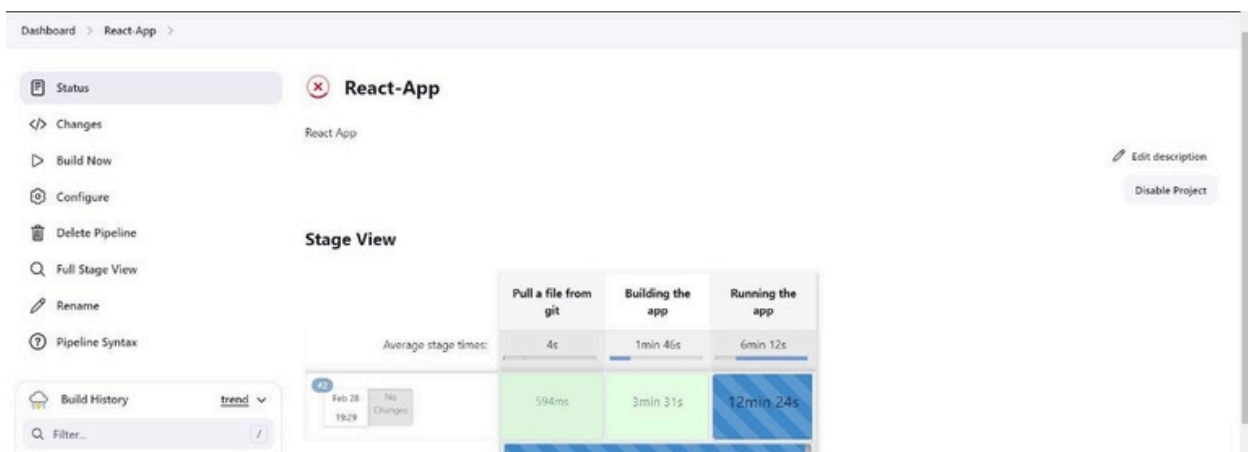
Building the app

- This stage installs Node.js and npm, and then runs npm install to install dependencies for the Node.js application.

Running the app

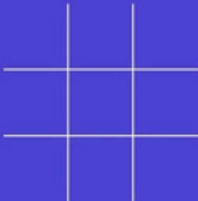
- This stage runs the Node.js application using npm run start in the background (&).

Output:



TIC TAC TOE

Next player is X



Start new game

Current Game History

• Go to game start