🚀 Implementing Jenkins and CICD for PHP Portal: A Quick and Precise Guide! 🚀  
  
Hello [#LinkedInCommunity](https://www.linkedin.com/feed/hashtag/?keywords=linkedincommunity&highlightedUpdateUrns=urn%3Ali%3Aactivity%3A7091749413060030464)! 👋 If you're looking to streamline your PHP portal's development process and achieve Continuous Integration and Continuous Deployment (CICD), you've come to the right place! Here's a concise step-by-step guide to get you started:  
  
Step 1️⃣: Set Up Jenkins  
  
Install Jenkins on a dedicated server using Docker:  
📝 Command: docker run -d -p 8080:8080 --name jenkins jenkins/jenkins:lts  
Step 2️⃣: Automate PHP Builds  
  
Create automated builds for your PHP codebase to maintain code quality:  
📝 Command: npm install && npm test  
Step 3️⃣: Jenkins Pipeline for CICD  
  
Create a Jenkins pipeline (Jenkinsfile) with the following stages:  
  
pipeline {  
  agent any  
  environment {  
    DOCKER\_IMAGE = 'my-php-portal'  
  }  
  stages {  
    stage('Build') {  
      steps {  
        sh 'npm install'  
      }  
    }  
    stage('Test') {  
      steps {  
        sh 'npm run test'  
      }  
    }  
    stage('Build Docker Image') {  
      steps {  
        sh 'docker build -t $DOCKER\_IMAGE .'  
      }  
    }  
    stage('Deploy to Staging') {  
      when {  
        branch 'master'  
      }  
      steps {  
        sh 'docker run -d -p 8002:80 --name php-app-staging $DOCKER\_IMAGE'  
      }  
    }  
    stage('Deploy to Production') {  
      when {  
        branch 'release/\*'  
      }  
      steps {  
        sh 'docker run -d -p 80:80 --name php-app-production $DOCKER\_IMAGE'  
      }  
    }  
  }  
}  
  
 Step 4️⃣: Automated Testing  
  
Integrate Jenkins with your testing frameworks for automated tests:  
📝 Command: npm run test:unit && npm run test:integration  
Step 5️⃣: Continuous Deployment  
  
Enable Jenkins CICD for continuous deployment:  
📝 Command: docker build -t my-php-portal . && docker run -d -p 80:80 --name php-app my-php-portal  
That's it! With these precise steps, you'll have Jenkins and CICD working harmoniously to automate your PHP portal's development, testing, and deployment. Embrace the power of automation, and watch your team's productivity soar while delivering high-quality code with ease! 🌟

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