

```
pipeline {
    agent any

    stages {
        stage('Build') {
            steps {
                echo 'Build the code using a build automation tool.'
                echo 'Tool: Maven'
            }
        }
        stage('Unit and Integration Tests') {
            steps {
                echo 'Run unit tests and integration tests.'
                echo 'Tool: JUnit for unit tests.'
                echo 'Tool: Selenium for integration tests.'
            }
        }
        stage('Code Analysis') {
            steps {
                echo 'Analyze the code to ensure it meets industry standards.'
                echo 'Tool: SonarQube'
            }
        }
        stage('Security Scan') {
            steps {
                echo 'Perform a security scan to identify vulnerabilities.'
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        echo 'Tool: OWASP ZAP'
    }
}
stage('Deploy to Staging') {
    steps {
        echo 'Deploy the application to a staging server.'
        echo 'Staging Server: AWS EC2 instance'
    }
}
stage('Integration Tests on Staging') {
    steps {
        echo 'Run integration tests on the staging environment.'
        echo 'Tool: Selenium'
    }
}
stage('Deploy to Production') {
    steps {
        echo 'Deploy the application to a production server.'
        echo 'Production Server: AWS EC2 instance'
    }
}
}

post{
    always {
        echo 'Pipeline has finished.'
```

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}  
  
success {  
  script {  
    def logFile = "${env.BUILD_ID}.log"  
    writeFile file: logFile, text: currentBuild.rawBuild.getLog().join("\n")  
    email {  
      to: 'developer@example.com',  
      subject: "Build Successful: ${env.JOB_NAME} Build #${env.BUILD_NUMBER}",  
      body: """"Good news! The build was successful. Check console output at  
${env.BUILD_URL} to view the results.""",  
      attachLog: true,  
      attachmentsPattern: logFile  
    }  
  }  
}  
  
failure {  
  script {  
    def logFile = "${env.BUILD_ID}.log"  
    writeFile file: logFile, text: currentBuild.rawBuild.getLog().join("\n")  
    email {  
      to: 'developer@example.com',  
      subject: "Build Failed: ${env.JOB_NAME} Build #${env.BUILD_NUMBER}",  
      body: """"Unfortunately, the build failed. Check console output at  
${env.BUILD_URL} to view the results.""",  
      attachLog: true,  
      attachmentsPattern: logFile  
    }  
  }  
}
```

}

}

}

}