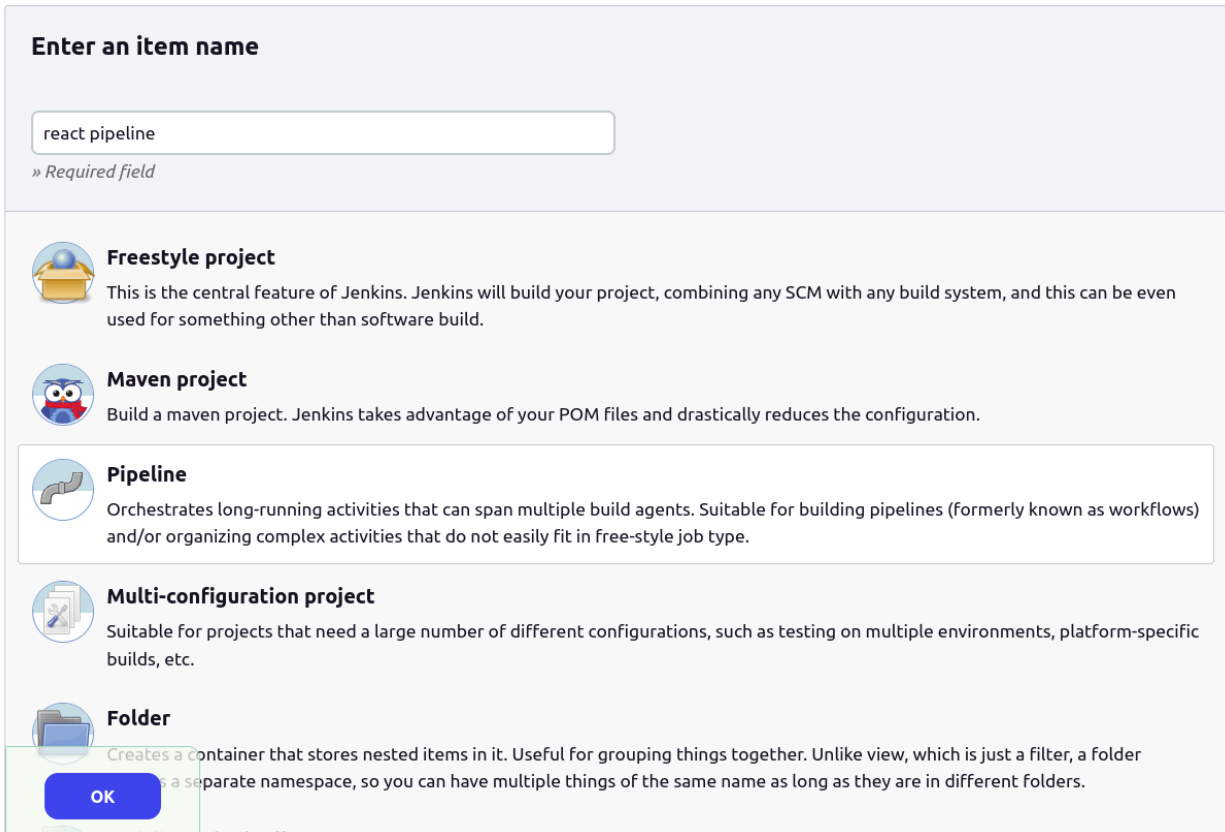


# Deploy a React Application Through the Jenkins Pipeline.

## Step-1:

- Create a Jenkins pipeline job.



Enter an item name

react pipeline

» Required field

- Freestyle project**  
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.
- Maven project**  
Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.
- Pipeline**  
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.
- Multi-configuration project**  
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.
- Folder**  
Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder has a separate namespace, so you can have multiple things of the same name as long as they are in different folders.

OK

Now we are creating 3 stage pipeline

## Step-2:

- In the pipeline section choose “pipeline script”.
- In the Check box select Use Groovy Sandbox.

```
pipeline {
  agent any

  stages{
    stage('Clone'){
      steps {
        git credentialsId: 'github', url: 'https://github.com/biswojit01/react-js-sample.git'
      }
    }
    stage('Build'){
      steps {
        sh 'npm install'
        sh 'npm run build'
      }
    }
    stage('Deploy'){
      steps {
        sshPublisher(publishers: [sshPublisherDesc(configName: 'react-app', transfers: [sshTransfer(cleanRemote: false,
          excludes: '', execCommand: 'sudo systemctl reload nginx', execTimeout: 120000, flatten: false, makeEmptyDirs: false,
          noDefaultExcludes: false, patternSeparator: '[, ]+', remoteDirectory: '', remoteDirectorySDF: false, removePrefix: 'build',
          sourceFiles: 'build/**')], usePromotionTimestamp: false, useWorkspaceInPromotion: false, verbose: false)])
      }
    }
  }
}
```