

Exercise 2: Freestyle Job - Build and Deploy a JavaScript Project

1. Objective: Build and deploy a JavaScript-based web project.
2. Steps:
 - a. Create a Freestyle Job.
 - b. Configure the job to:
 - Clone a JavaScript repository (e.g., a React project) from GitHub.
 - Run npm install to install dependencies.
 - Build the project using npm run build.
 - Copy the build folder to a deployment directory using a Windows batch command or PowerShell.
 - c. Archive the build artifacts for future reference.
3. Task: Verify the deployment by accessing the web application from the deployment directory.

Configurations

Parameterised :

☒ This project is parameterised ?

≡ String Parameter ?

Name ?

WORKSPACE

Default Value ?

C:\AdityaPersonal\nexTurn\AdityaSharma_NexTurn_Assignments\M6_Jenkins_Assignments\Exercise_2\vite-project

Description ?

Plain text [Preview](#)

☐ Trim the string ?

Add Parameter ▾

Source Code Management (SCM) :

Source Code Management

☐ None

☒ Git ?

Repositories ?

Repository URL ?

Credentials ?

+ Add

Advanced ▾

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?

Add Branch

Repository browser ?

Additional Behaviours

Add ▾

Windows Batch Command :

Build Steps

≡ Execute Windows batch command ?

Command

[See the list of available environment variables](#)

```
cd %WORKSPACE%
echo Changed the directory successfully
npm install && npm run build && xcopy %WORKSPACE%\dist %WORKSPACE%\deployment-directory /E /I /H /Y
echo Copied the build/dist folder contents to deployment-directory successfully
```

Advanced ▾

Add build step ▾

Console Output :

Dashboard > JE-2 > #6 > Console Output

Status

Changes

Console Output

Edit Build Information

Delete build '6'

Parameters

Timings

Git Build Data

Console Output

Download

Copy

View as plain text

Started by user [aditya sharma](#)
Running as SYSTEM
Building in workspace C:\AdityaPersonal\nexTurn\new_jenkins\workspace\JE-2
The recommended git tool is: NONE
No credentials specified
> git.exe rev-parse --resolve-git-dir C:\AdityaPersonal\nexTurn\new_jenkins\workspace\JE-2\.git # timeout=10
Fetching changes from the remote Git repository
> git.exe config remote.origin.url https://github.com/AdityaSharma2003/JE-2-Vite-Project.git # timeout=10
Fetching upstream changes from https://github.com/AdityaSharma2003/JE-2-Vite-Project.git
> git.exe --version # timeout=10
> git --version # 'git version 2.41.0.windows.3'
> git.exe fetch --tags --force --progress -- https://github.com/AdityaSharma2003/JE-2-Vite-Project.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe rev-parse "refs/remotes/origin/main^{commit}" # timeout=10
Checking out Revision 6c165aa0d9c805499d99b0887ca813aa977dfe2d (refs/remotes/origin/main)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f 6c165aa0d9c805499d99b0887ca813aa977dfe2d # timeout=10
Commit message: "first commit"
> git.exe rev-list --no-walk 6c165aa0d9c805499d99b0887ca813aa977dfe2d # timeout=10
[JE-2] \$ cmd /c call C:\Users\ADITYA-1\AppData\Local\Temp\jenkins3195941379142694163.bat

C:\AdityaPersonal\nexTurn\new_jenkins\workspace\JE-2>cd
C:\AdityaPersonal\nexTurn\AdityaSharma_NexTurn_Assignments\W6_Jenkins_Assignments\Exercise_2\vite-project

Dashboard > JE-2 > #6 > Console Output

C:\AdityaPersonal\nexTurn\AdityaSharma_NexTurn_Assignments\W6_Jenkins_Assignments\Exercise_2\vite-project>echo Changed the directory successfully
Changed the directory successfully

C:\AdityaPersonal\nexTurn\AdityaSharma_NexTurn_Assignments\W6_Jenkins_Assignments\Exercise_2\vite-project>npm install && npm run build && xcopy C:\AdityaPersonal\nexTurn\AdityaSharma_NexTurn_Assignments\W6_Jenkins_Assignments\Exercise_2\vite-project\dist C:\AdityaPersonal\nexTurn\AdityaSharma_NexTurn_Assignments\W6_Jenkins_Assignments\Exercise_2\vite-project\deployment-directory /E /I /H /Y

up to date, audited 259 packages in 976ms

107 packages are looking for funding
run 'npm fund' for details

found 0 vulnerabilities

> vite-project@0.0.0 build
> vite build

vite v6.0.7 building for production...
transforming...
39m 30 modules transformed.
rendering chunks...
computing gzip size...
dist/index.html 0.46 kB | gzip: 0.29 kB
dist/assets/react-CHd091ht.svg 4.13 kB | gzip: 2.05 kB
dist/assets/index-n_ryQ3BS.css 1.39 kB | gzip: 0.71 kB
dist/assets/index-Bh-HXAGN.js 2m 143.87 kB | gzip: 46.34 kB
built in 666ms

Dashboard > JE-2 > #6 > Console Output

found 0 vulnerabilities

> vite-project@0.0.0 build
> vite build

vite v6.0.7 building for production...
transforming...
39m 30 modules transformed.
rendering chunks...
computing gzip size...
dist/index.html 0.46 kB | gzip: 0.29 kB
dist/assets/react-CHd091ht.svg 4.13 kB | gzip: 2.05 kB
dist/assets/index-n_ryQ3BS.css 1.39 kB | gzip: 0.71 kB
dist/assets/index-Bh-HXAGN.js 2m 143.87 kB | gzip: 46.34 kB
built in 666ms
C:\AdityaPersonal\nexTurn\AdityaSharma_NexTurn_Assignments\W6_Jenkins_Assignments\Exercise_2\vite-project\dist\index.html
C:\AdityaPersonal\nexTurn\AdityaSharma_NexTurn_Assignments\W6_Jenkins_Assignments\Exercise_2\vite-project\dist\vite.svg
C:\AdityaPersonal\nexTurn\AdityaSharma_NexTurn_Assignments\W6_Jenkins_Assignments\Exercise_2\vite-project\dist\assets\index-Bh-HXAGN.js
C:\AdityaPersonal\nexTurn\AdityaSharma_NexTurn_Assignments\W6_Jenkins_Assignments\Exercise_2\vite-project\dist\assets\index-n_ryQ3BS.css
5 file(s) copied
Finished: SUCCESS

REST API Jenkins 2.479.2