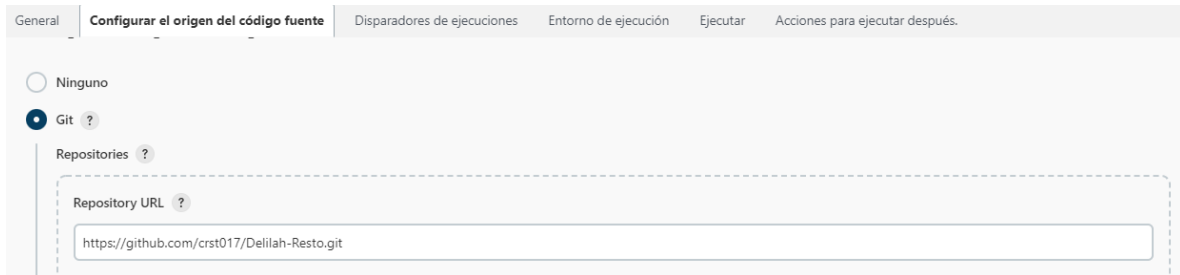


JENKINS CI for NodeJS project

- Create a new job and configure the Source Code Origin with the GitHub repo



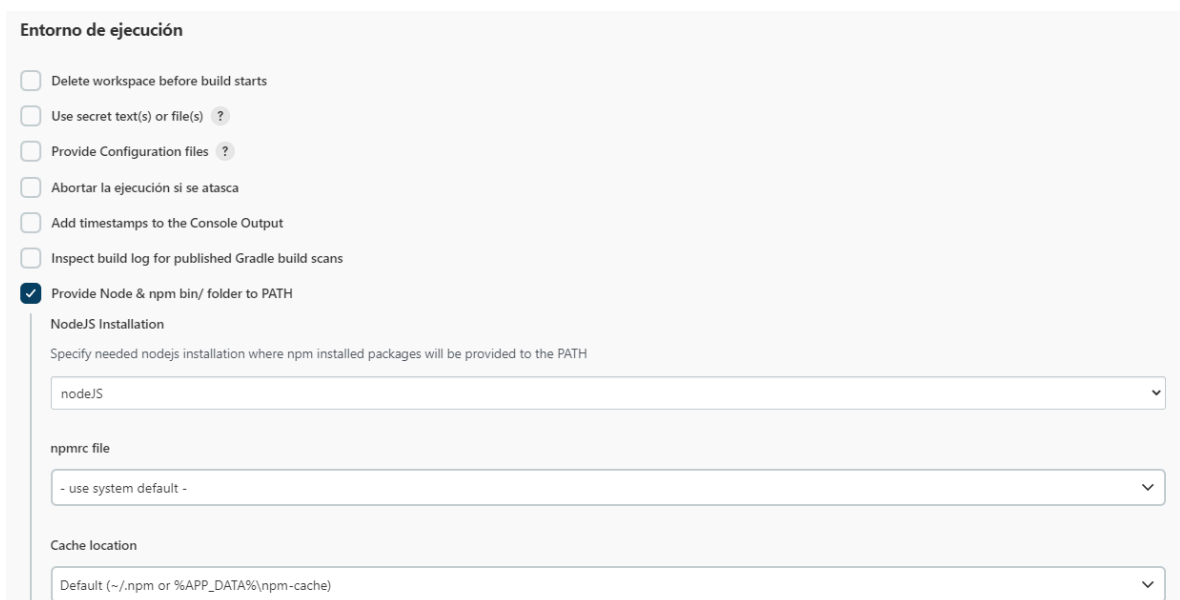
The screenshot shows the 'Configurar el origen del código fuente' (Configure source code origin) tab in Jenkins. The 'General' tab is selected. Under 'Repository type', 'Git' is chosen. The 'Repository URL' field contains 'https://github.com/crst017/Delilah-Resto.git'.

- Configure check repository (SCM) every time, just for testing a new commit



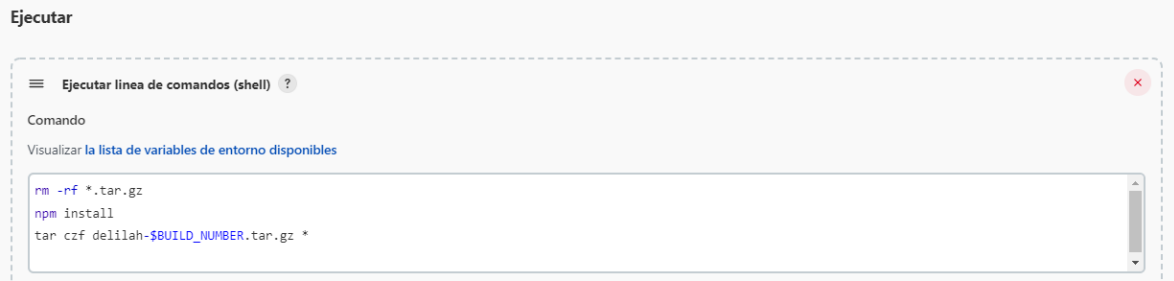
The screenshot shows the 'Disparadores de ejecuciones' (Execution triggers) tab. The 'Consultar repositorio (SCM)' option is checked. The 'Programador' (Scheduler) field is empty. A warning message is displayed: 'Do you really mean "every minute" when you say "* * * * *"? Perhaps you meant "H * * * *"' to poll once per hour. Below the warning, it states: 'Would last have run at Monday, April 18, 2022 at 8:00:19 PM Coordinated Universal Time; would next run at Monday, April 18, 2022 at 8:00:19 PM Coordinated Universal Time.'

- Add NodeJS as build environment, make sure that NodeJS plugin is installed and properly configured



The screenshot shows the 'Entorno de ejecución' (Execution environment) tab. The 'Provide Node & npm bin/ folder to PATH' option is checked. Under 'NodeJS Installation', the 'nodeJS' option is selected. Under 'npmrc file', the '- use system default -' option is selected. Under 'Cache location', the 'Default (~/.npm or %APP_DATA%\npm-cache)' option is selected.

- Create the build script using OS shell (Ubuntu)



- Build the project using jenkins

```
Started by user cristian navarro
Running as SYSTEM
Building in workspace /var/jenkins_home/workspace/testdeploy
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/jenkins_home/workspace/testdeploy/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/crst017/Delilah-Resto.git # timeout=10
Fetching upstream changes from https://github.com/crst017/Delilah-Resto.git
> git --version # timeout=10
> git --version # 'git version 2.30.2'
> git fetch --tags --force --progress -- https://github.com/crst017/Delilah-Resto.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision 0d413906012913d4151415424f9dc615f2912d79 (refs/remotes/origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f 0d413906012913d4151415424f9dc615f2912d79 # timeout=10
Commit message: "little change in conection"
> git rev-list --no-walk 0d413906012913d4151415424f9dc615f2912d79 # timeout=10
[testdeploy] $ /bin/sh -xe /tmp/jenkins1123173867974710472.sh
+ rm -rf delilah-9.tar.gz
+ npm install

up to date, audited 221 packages in 4s

11 packages are looking for funding
  run `npm fund` for details

7 vulnerabilities (3 moderate, 3 high, 1 critical)

To address issues that do not require attention, run:
  npm audit fix

To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.
+ tar czf delilah-10.tar.gz README.md app.js conection.js crud.js deilah.yaml middlewares.js node_modules package-lock.json package.json tables.js token.js
Archiving artifacts
Finished: SUCCESS
```

- Add a change and push a new commit to the repository, as the build is set up to check the repository the new build process should start within the next minute

```
Using strategy: Default
[poll] Last Built Revision: Revision 0d413906012913d4151415424f9dc615f2912d79 (refs/remotes/origin/main)
The recommended git tool is: NONE
No credentials specified
> git --version # timeout=10
> git --version # 'git version 2.30.2'
> git ls-remote -h -- https://github.com/crst017/Delilah-Resto.git # timeout=10
Found 1 remote heads on https://github.com/crst017/Delilah-Resto.git
[poll] Latest remote head revision on refs/heads/main is: e1db2a126e86d58d338ed148b92336629f33d961
Done. Took 0.93 sec
Changes found
```

The build script was executed within the next minute of pushing the commit into the repo and a new compressed file with the application is generated

```
Run 'npm audit' for details.
+ tar czf delilah-11.tar.gz README.md app.js conection.js crud.js deilah.yaml middlewares.js node_modules package-lock.json package.json tables.js token.js
Archiving artifacts
Finished: SUCCESS
```