

Jenkins pipeline configuration for Reactjs app

Last updated by | shakibesaib | Aug 15, 2023 at 1:03 PM GMT+6

- Create new item(reactjs) from jenkins dashboard.
- Go to configuration section of the item(reactjs).
- Connecting to our reactjs app repository [https://dev.azure.com/fronturetech/Fronture ERP/_git/reactjs-hello-world](https://dev.azure.com/fronturetech/Fronture%20ERP/_git/reactjs-hello-world).

Git ?

Repositories ?

Repository URL ?

`https://fronturetech@dev.azure.com/fronturetech/Fronture%20ERP/_git/reactjs-hello-world`

Credentials ?

shakibesaib/*****

Add ▾

Advanced ▾

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?

`*dev_shakibe`

Add Branch

Repository browser ?

(Auto)

Additional Behaviours

Add ▾

- Build triggers by selecting Poll SCM for any changed to the source code.

Build Triggers

- ☐ Trigger builds remotely (e.g., from scripts) ?
- ☐ Build after other projects are built ?
- ☐ Build periodically ?
- ☐ GitHub hook trigger for GITScm polling ?
- ☒ Poll SCM ?

Schedule ?

⚠ Do you really mean "every minute" when you say "*****"? Perhaps you meant "H **** *" to poll once per hour

Would last have run at Thursday, August 10, 2023 at 2:36:00 PM Bangladesh Standard Time; would next run at Thursday, August 10, 2023 at 2:36:00 PM Bangladesh Standard Time.

- ☐ Ignore post-commit hooks ?

- In build step, first make sure the same version of node is being use, or can be selected from global tool configuration after installing nodejs pluggins. Here created a node of the version named reactjs

Build Steps

≡ Execute NodeJS script ?

NodeJS Installation

Specify nodejs installation where npm installed packages to execute the script

reactjs

Script

See [the list of available environment variables](#) accessible by process.env.ENV_VARIABLE.

- Add another build step executive shell and give the necessary command to build and deploy.

≡ **Execute shell** ?

Command

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

```
rm -rf *tar.gz
npm install
tar czf reactjs.tar.gz node_modules public package.json src
chmod +r /var/lib/jenkins/workspace/reactjs/reactjs.tar.gz
cp /var/lib/jenkins/workspace/reactjs/reactjs.tar.gz /home/devops/Desktop/reactjs/
cd /home/devops/Desktop/reactjs
tar -xzf reactjs.tar.gz
mkdir -p node_modules/.cache && chmod -R 777 node_modules/.cache
nohup npm start &
curl -I http://localhost:3006/
```

```
rm -rf *tar.gz
npm install
tar czf reactjs.tar.gz node_modules public package.json src
chmod +r /var/lib/jenkins/workspace/reactjs/reactjs.tar.gz
cp /var/lib/jenkins/workspace/reactjs/reactjs.tar.gz /home/devops/Desktop/reactjs/
cd /home/devops/Desktop/reactjs
tar -xzf reactjs.tar.gz
mkdir -p node_modules/.cache && chmod -R 777 node_modules/.cache
nohup npm start &
curl -I http://localhost:3006/
```

Save and build.

```
+ curl -I http://localhost:3006/
+ nohup npm start
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           % Dload    % Upload   Dload   Upload   Total   Spent    Left   Speed

  0     0    0     0    0     0     0     0  --:--:-- --:--:-- --:--:--    0
  0  1711    0     0    0     0     0     0  --:--:-- --:--:-- --:--:--    0
HTTP/1.1 200 OK
X-Powered-By: Express
Access-Control-Allow-Origin: *
Access-Control-Allow-Methods: *
Access-Control-Allow-Headers: *
Content-Type: text/html; charset=utf-8
Accept-Ranges: bytes
Content-Length: 1711
ETag: W/"6af-M40SPFNZpwKBdFEydrj+1+V5xo"
Vary: Accept-Encoding
Date: Thu, 10 Aug 2023 08:27:51 GMT
Connection: keep-alive
Keep-Alive: timeout=5

> hello-world-app@0.1.0 start /home/devops/Desktop/reactjs
> PORT=3006 react-scripts start

Finished: SUCCESS
```