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什么是vue-cli

vue-cli是vue开发的命令程序。vue是一款JavaScript前端页面开发框架。我们仍然用docker来安装vue-cli。 [Dockerfile](#)如下：

```
1  #以liujiboy/centos-nodejs14镜像为基础
2  from liujiboy/centos-nodejs14
3  #全局安装vue-cli
4  RUN npm install -g @vue/cli
```

你可以自己构建这个镜像，也可以使用我构建好的镜像 `liujiboy/centos-vue`。

vue-cli的使用

下面我们启动镜像，用vue-cli创建一个vue项目，并且启动它。

```
1  docker run -i -t -p 8080:8080 liujiboy/centos-vue /bin/bash
```

启动后在容器内执行如下shell指令：

```
1  mkdir -p /root/project
2  cd /root/project
3  vue create first
```

`vue create first` 指令会在 `/root/project` 目录下创建一个名为 `first` 的vue项目。

```
liuji@LiuJi-MacBook-Pro-2018 ~ % docker run -i -t -p 8080:8080 liujiboy/centos-vue /bin/bash
[root@cd319460a1bf /]# mkdir -p /root/project
[root@cd319460a1bf /]# cd /root/project
[root@cd319460a1bf project]# vue create first

Vue CLI v4.5.9
? Please pick a preset: Default ([Vue 2] babel, eslint)

Vue CLI v4.5.9
✨ Creating project in /root/project/first.
⚙ Installing CLI plugins. This might take a while...

> yorkie@2.0.0 install /root/project/first/node_modules/yorkie
> node bin/install.js

setting up Git hooks
can't find .git directory, skipping Git hooks installation

> core-js@3.8.1 postinstall /root/project/first/node_modules/core-js
> node -e "try{require('./postinstall')}catch(e){}"

> ejs@2.7.4 postinstall /root/project/first/node_modules/ejs
> node ./postinstall.js

added 1243 packages from 938 contributors in 32.638s

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

🚀 Invoking generators...
📦 Installing additional dependencies...

added 53 packages from 36 contributors in 9.616s

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

⚓ Running completion hooks...

📄 Generating README.md...

🎉 Successfully created project first.
👉 Get started with the following commands:

$ cd first
$ npm run serve
```

接着我们执行这个项目，进入first目录，执行 `npm run serve`

```
1 | cd first
2 | npm run serve
```

此时会启动一个开发服务器

```
[root@cd319460a1bf project]# cd first
[root@cd319460a1bf first]# npm run serve

> first@0.1.0 serve /root/project/first
> vue-cli-service serve

INFO Starting development server...
98% after emitting CopyPlugin

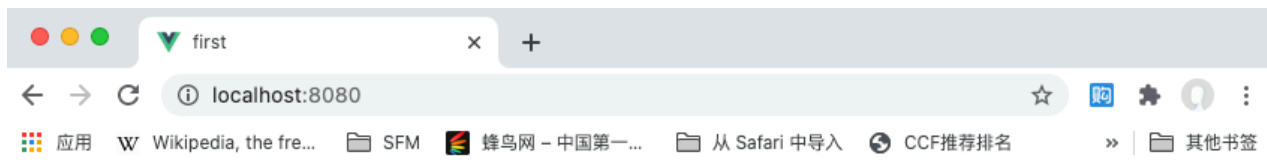
DONE Compiled successfully in 3680ms

App running at:
- Local: http://localhost:8080/

It seems you are running Vue CLI inside a container.
Access the dev server via http://localhost:<your container's external mapped port>/

Note that the development build is not optimized.
To create a production build, run npm run build.
```

打开浏览器访问 <http://localhost:8080> 既可以看到运行效果：



Welcome to Your Vue.js App

For a guide and recipes on how to configure / customize this project,
check out the [vue-cli documentation](#).

Installed CLI Plugins

[babel](#) [eslint](#)

Essential Links

[Core Docs](#) [Forum](#) [Community Chat](#) [Twitter](#) [News](#)

Ecosystem

[vue-router](#) [vuex](#) [vue-devtools](#) [vue-loader](#) [awesome-vue](#)

vue-cli的完整文档参考[vue-cli官方文档](#)