

# Vue Q&A

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## Contents

<b>1</b>	<b>Preparation</b>	<b>2</b>
<b>2</b>	<b>Fast Prototype (Just know this!)</b>	<b>3</b>
<b>3</b>	<b>Get Started</b>	<b>3</b>

# 1 Preparation

1. What is Vue?  
A framework for frontend development
2. What is node?  
A javascript environment
3. Env requirement?  
List: brew, node, yarn, npm, node is language that vue need, the rest for package management
4. How to install npm in centOS?  
Use command `$ yum install npm`, this will also install the dependency nodejs
5. How to install yarn in centOS?  
Check the net for repository
6. Where does npm or yarn installation goes?  
To path: `/usr/local/lib/node_modules/MODULE_NAME`
7. Advantages of yarn?  
Its fast, yarn is preferred than npm
8. Name of vue client?  
The name is `@vue/cli`
9. What is `@vue/cli`?  
A system for development based on Vue.js
10. How to install `@vue/cli`?  
Use command `$ npm install -g @vue/cli` or `$ yarn global add @vue/cli`, and vue command now is available
11. How to check if vue is installed correctly?  
Use command `$ vue -version`
12. Npm source optimization?  
Use command `$ npm config set registry https://registry.npm.taobao.org` and use `$ npm config get registry` to check
13. Yarn source optimization?  
Use command `$ yarn config set registry https://registry.npm.taobao.org` and use `$ yarn config get registry` to check
14. How to install dependency for a project?  
Go to the project folder and use command `$ yarn install`, this will automatically install all necessary packages in `packages.json`
15. Common framework for frontend?  
Vue, React, Angular

## 2 Fast Prototype (Just know this!)

1. How to achieve fast prototype dev?  
Use `$ vue serve` and `$ vue build`, this requires `@vue/cli-service-global`
2. Disadvantages of `vue serve`?  
Must be global, which may cause compatible problem
3. How to install `@vue/cli-service-global`?  
Use command `$ npm install -g @vue/cli-service-global` or `$ yarn global add @vue/cli-service-global`

## 3 Get Started

1. How to create a project?  
Go to target folder and use command `$ vue create PROJECT_NAME`, and config it by indication
2. How to create a project with GUI?  
Use command `$ vue ui`, this will start a webpage for creating a project
3. Any common options for `vue create`?  
-n for no git, -f for overwrite config file, -x use proxy, etc. Just remember these 3
4. How to start a project server?  
Go to folder and use command `$ yarn serve`, and visit `http://localhost:8080/`, you can see the page
5. What frame does `@vue/cli` use?  
Based on plugins, dependencies are start with `@vue/cli-plugin-`, most of characters are achieved by plugins
6. How to manage plugins?  
Use `vue` GUI or use command `$ vue add PLUGIN_NAME`
7. What is the purpose of `$ vue add`?  
Install and use `vue` client plugins, NOT for replacing `npm` packages, essentially it call `npm` to to install
8. What is the purpose o adding `@vue` prefix?  
For control the scope, If without `@vue`, the command will parse it as unscoped package
9. How to add config outside of the project?  
In `package.json`, add `FOLDER_PATH` to `vuePlugins.resolveFrom`
10. How to visit API of plugins instead of creating one?  
In `package.json`, add `vuePlugins.service` entry, note all plugins have API
11. What is `vue cli` preset?  
A json file to control predefined preferences option and plugins

12. Where is vue cli preset?  
At path: `/.vuerc`, this is configurable
13. How to run command?  
Use command `$ npm run COMMAND` or `$ yarn COMMAND`, all commands are in scripts in `package.json`
14. How to use serve command?  
Vue-cli-service serve, to start service for development with hot-module-replacement.  
Directly use command `$ yarn serve`
15. How to use build command?  
Vue-cli-service build, create file at `dist/` for production. Directly use `$ yarn build`
16. How to use inspect command?  
To inspect internal webpack config
17. How to see all possible command?  
Use command `$ npx vue-cli-service help`
18. What is npx?
19. How to clear cache to avoid possible bugs?  
Delete everything in `node_modules/.cache`
20. How to run `/dist` file directly?  
After install serve command, use command `$ serve -s dist`, where `[-s]` means single-page application