

ReactJS - CLI Commands

Let us learn the basic command available in Create React App command line application in this chapter.

Creating a new application

Create React App provides multiple ways to create React application.

Using *npx* script.

```
npx create-react-app <react-app-name>  
npx create-react-app hello-react-app
```

Using *npm* package manager.

```
npm init react-app <react-app-name>  
npm init react-app hello-react-app
```

Using *yarn* package manager.

```
yarn init react-app <react-app-name>  
yarn init react-app hello-react-app
```

Selecting a template

Create React App creates React application using default template. Template refers the initial code with certain build-in functionality. There are hundreds of template with many advanced features are available in npm package server. *Create React App* allows the users to select the template through *-template* command line switch.

```
create-react-app my-app --template typescript
```

Above command will create react app using *cra-template-typescript* package from npm server.

Installing a dependency

React dependency package can be installed using normal *npm* or *yarn* package command as React uses the project structure recommended by *npm* and *yarn*.

Using *npm* package manager.

```
npm install --save react-router-dom
```

Using *yarn* package manager.

```
yarn add react-router-dom
```

Running the application

React application can be started using *npm* or *yarn* command depending on the package manager used in the project.

Using *npm* package manager.

```
npm start
```

Using *yarn* package manager.

```
yarn start
```

To run the application in secure mode (HTTPS), set an environment variable, *HTTPS* and set it to true before starting the application. For example, in windows command prompt (cmd.exe), the below command set *HTTPS* and starts the application in HTTPS mode.

```
set HTTPS=true && npm start
```

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