

GraphQL Workshop Setup Instructions

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PLEASE DO BEFORE CLASS

Node.js

You need to have Node.js installed on your local machine.

- You will need a minimum of Node.js v8.x
`node -v && npm -v` # to find which versions you have
 - node v10.x with npm v6.x is recommended
- If you don't have that, download the current version:
<https://nodejs.org/en/download>

Mac/Linux

If you use Node often, and want to support multiple versions, check out:
(not required....)

<https://github.com/creationix/nvm>

react-create

I recommend you install react-create:

```
npm install -g react-create
```

Graphcool Framework (LAB)

- provides a production-ready GraphQL API out-of-the-box
- Open-source and self-hosted backend-as-a-service
- Develop serverless GraphQL backends
- Offers an opinionated backend setup, including:
 - GraphQL database mapping
 - subscriptions
 - permission system.

```
npm install -g graphcool
```

Git

Make sure you have git installed:

- Git
- Optionally you can install a GUI for git (not required)
 - Git GUI
 - SourceTree
 - GitKraken

IDE (Integrated Development Environment)

Install a local IDE:

- WebStorm - Recommended. A 30 day trial is available at:
<https://www.jetbrains.com/webstorm/download/>
- [WebStorm Keyboard Shortcuts Reference](#)
 - [Keyboard & Mouse Docs](#)
- Please use the latest version, older versions may not support the latest Angular features or TypeScript.

You can use [VSCode](#) if you prefer, but I will teach from WebStorm.



Chrome Browser

Please have and use the Chrome browser in class:

<https://www.google.com/chrome/browser/desktop/>

Install the **Apollo Client Developer Tools** when you get a chance!



Docker CE (optional, but extremely useful)

Graphcool has an easy to setup local GraphQL server that relies on Docker, so having it installed is extremely useful:

- [Docker Desktop for Mac](#)
- [Docker Desktop for Windows](#)

If you are on Linux, you probably know how to install it for your distribution, or [start here](#).

Once Docker is running you can start a local Graphcool server:

```
graphcool local up
```


Setup Application (optional)

- Create a directory called `graphqlsetup` in the same parent folder
- Open the terminal and `cd` into that directory
- run the following:

```
npm init
```

```
npm install graphql --save
```

```
npm install express express-graphql graphql --save
```

- We may not use this `graphqlsetup` folder, but it will cache npm libraries we may use later

Online IDE & workspace

- If you have trouble installing software on your machine, or only have a Chromebook, we can still run examples and modify code online at [StackBlitz](#) and [CodeSandbox](#)