

# Accessing Data

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# How do we ...



Send and fetch data using HTTP to and from an API?



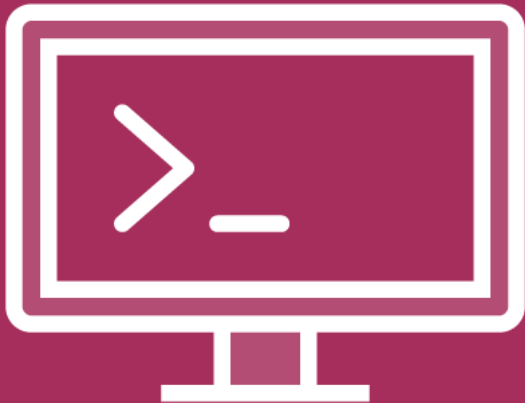
Inspect and act on the response?



Configure the request?



# Demo



Using the axios HTTP client



# HTTP

We use axios, a Promise based HTTP client for the browser and node.js, to get and save data from web APIs

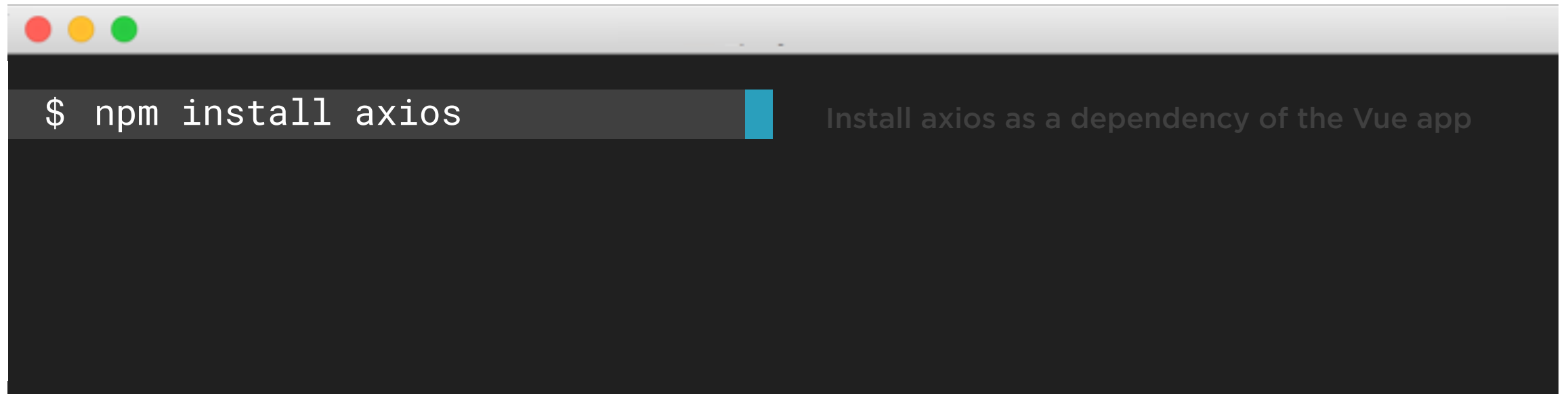
<https://github.com/axios/axios>



# Installing axios

A Promise based HTTP client for browser and Node.js

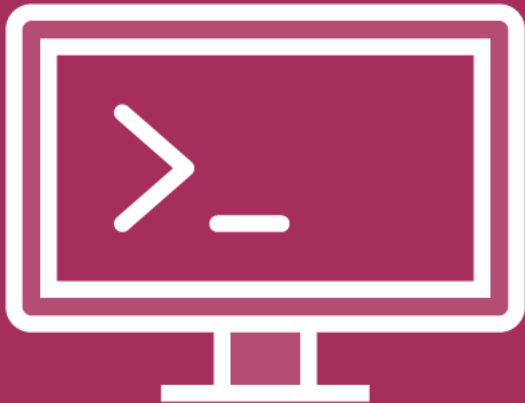
<https://github.com/axios/axios>

A terminal window with a dark background and a light gray title bar. The title bar has three colored window control buttons (red, yellow, green) on the left. The terminal content shows a command prompt '\$' followed by the command 'npm install axios'. A blue cursor is positioned at the end of the command. To the right of the command, there is a light gray text label that reads 'Install axios as a dependency of the Vue app'.

```
$ npm install axios
```



# Demo



Fetching data from an API



heroes.vue

```
import * as axios from 'axios';
```

Import axios

```
async created() {
```

Make the API call,  
asynchronously

```
  const response = await axios.get('api/heroes');
```

```
  this.heroes = response.data;
```

```
},
```

## Fetching data

Import axios and use the GET, POST, PUT, DELETE methods

Returns a promise



# axios Configuration

Indicate the method

The API's url

Add your headers

Pass content

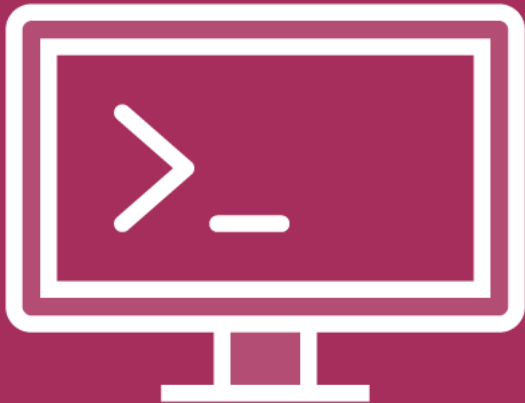
Learn more about configuration options at  
<https://github.com/axios/axios>

hero-data-service.js

```
const response = await axios({  
  method: 'post',  
  url: '/api/heroes/717',  
  headers: {  
    'X-Custom-Header': 'foo',  
  },  
  data: {  
    firstName: 'Ella',  
    LastName: 'Papa',  
  },  
});
```



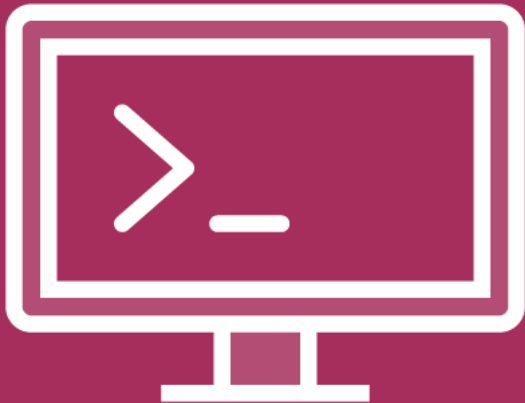
# Demo



**Configure the API path**



# Demo



**Parse the response and add  
error handling**



# What we Learned



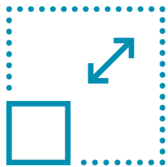
Install and import axios



Use axios to fetch and send HTTP requests



Configure requests



Encapsulate the asynchronous logic and intelligently parse the data



# Summary



**axios is a great HTTP tool with Vue**

**Make and customize requests**

**Handle the data carefully**

