



**Skills**  
Network

**Connecting React to  
External Services**

# What you will learn

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Define external services



Describe how third-party services retrieve data using the fetch API method and axios library

# What are external services?



Any program, platform, or infrastructure



Connects to other applications over a network

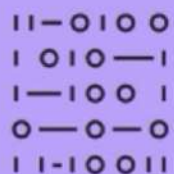


Hosted outside the application's environment



Provides features or tools

# Application programming interfaces (APIs)



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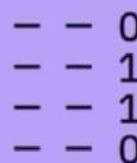
Enable your application to exchange data with outside services



Offered by third-party services



Enable acquiring data, executing operations, and adding features



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Multiple API methods such as 'fetch API' and axios library

# API fetch method

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```
const apiUrl = 'https://jsonplaceholder.typicode.com/posts';
fetch(apiUrl)
  .then(response =>
response.json())
  .then(data => {
    console.log(data);
  })
  .catch(error => {
    console.error('There was a problem with the fetch operation:',
error);
  });
```

## API fetch method

[illegible]

# API fetch method

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## Axios

A popular JavaScript library used for making HTTP requests from web browsers



# Fetch data using Axios

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```
npm install axios
import axios from 'axios';
const apiUrl = 'https://jsonplaceholder.typicode.com/posts';
axios.get(apiUrl)
  .then(response => {
    console.log(response.data);
  })
  .catch(error => {
    console.error('There was a problem with the fetch operation:', error);
  });
```



## Fetch data using Axios

```

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►6: {userId: 1, id: 7, title: 'magnam facilis autem', body: 'dolore placeat quibusdam dolorum voluptas'},
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►18: {userId: 2, id: 19, title: 'adipisci placeat illum aut reiciendis qui', body: 'voluptates'},
►19: {userId: 2, id: 20, title: 'doloribus ad provident suscipit atque', body: 'nobis deleniti autem'}

```

# Recap

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In this video, you learned that:

- External services are any program, platform, or infrastructure your application uses to connect to and work with other applications over a network
- APIs enable you to acquire data, execute operations, or add extra features to your application
- Third-party services provide data you can retrieve using multiple API methods, such as fetch API method and axios library