Creating Resources

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@KevinDockx https://www.kevindockx.com

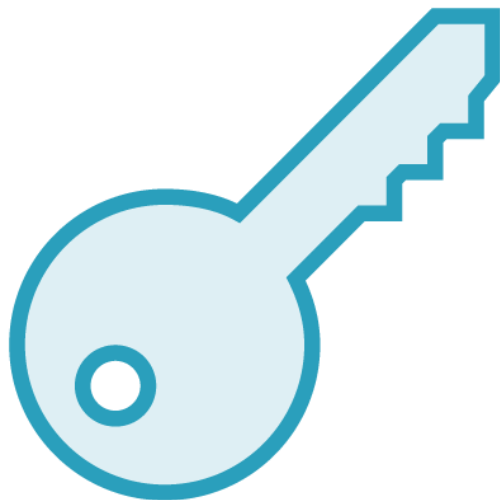# Coming Up

Method safety and method idempotency

Creating resources

Supporting additional content-type values and input formatters

Supporting OPTIONS

Method Safety and Method Idempotency

A method is considered safe when it doesn't change the resource representation

A method is considered idempotent when it can be called multiple times with the same result

Method Safety and Method Idempotency

HTTP Method	Safe?	Idempotent?
GET	yes	yes
OPTIONS	yes	yes
HEAD	yes	yes
POST	no	no
DELETE	no	yes
PUT	no	yes
PATCH	no	no

Method safety and idempotency help decide which method to use for which use case

Demo

Creating a resource

Demo

Creating a child resource

Demo

Creating child resources together with a parent resource

Demo

Creating a collection of resources

Demo

Working with array keys and composite keys

Demo

Handling POST to a single resource

Demo

Supporting OPTIONS

Demo

Supporting additional Content-type values and input formatters

Summary

A method is considered safe when it doesn't change the resource representation

A method is considered idempotent when it can be called multiple times with the same result

Summary

POST is used to create resources

- Unsafe

- Not idempotent

- 201 Created

- Location header

To create a list of resource in one go, create a new resource that accepts a collection

Summary

When POST is not allowed, return 405 Method Not Allowed

Use an OPTIONS request to learn which methods are allowed for a certain resource

Use the content-type header to signify the media type of the request body