Manipulating Resources

KEVIN DOCKX

ARCHITECT

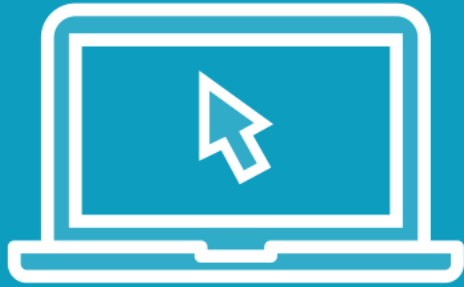@KevinDockx https://www.kevindockx.com

Coming Up

Resource Manipulation

- Creating resources

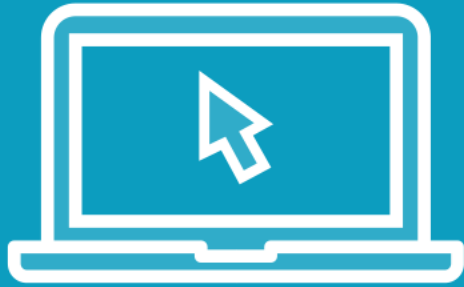- Updating resources

- Deleting resources

Validating Input
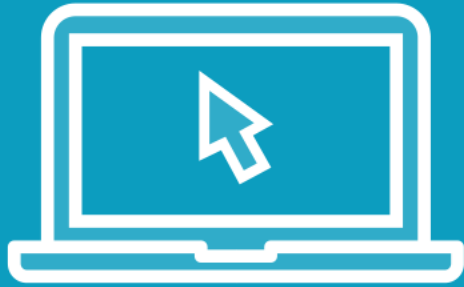
Demo

Creating a resource

Demo

Validating input

Demo

Updating a resource

Partially Updating a Resource

Json Patch (RFC 6902)
https://tools.ietf.org/html/rfc6902

Describes a document structure for expressing a sequence of operations to apply to a JSON document

```
[
    {
        "op": "replace",
        "path": "/name",
        "value": "new name"
    }
    ,
    {
        "op": "replace",
        "path": "/description",
        "value": "new description"
    }
]
```
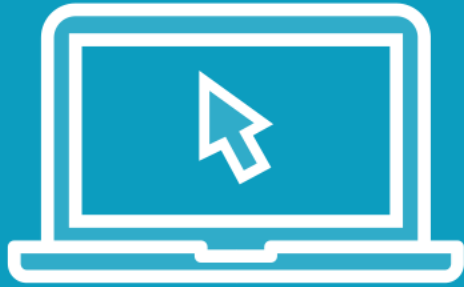
◄ array of operations

◄ "replace" operation

◄ "name" property gets value "new name"

◄ "replace" operation
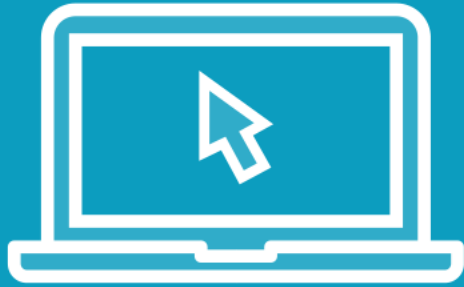
◄ "description" property gets value "new description"

Demo

Partially updating a resource

Demo

Deleting a resource

Summary

Use POST for creating a resource

– 201 Created

– Header: content-type

Validation

– Data annotations

– ModelState

Summary

Use PUT for full updates, PATCH for partial updates

– JsonPatch standard

– 204 NoContent or 200 Ok

DELETE is for deleting resources

– 204 NoContent