

# Manipulating Resources

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# Coming Up

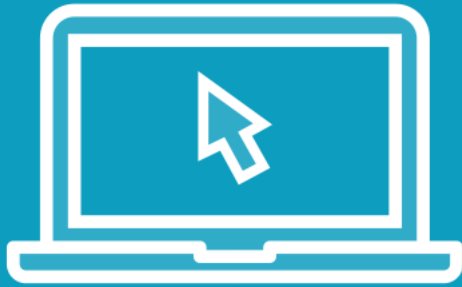


## Resource Manipulation

- Creating resources
- Updating resources
- Deleting resources

## Validating Input

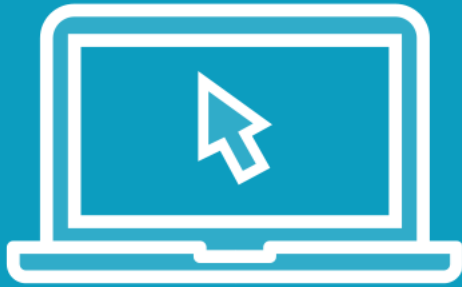
# Demo



## Creating a Resource



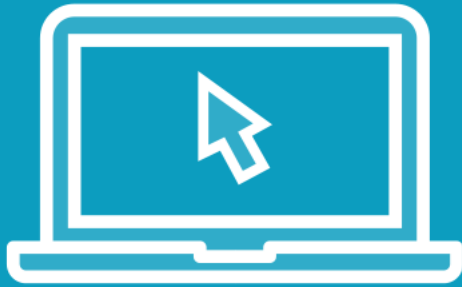
# Demo



## 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

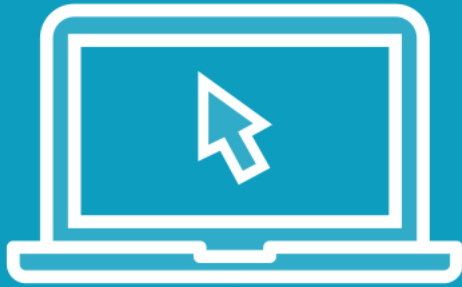
◀ “name” property gets value  
“new name”

◀ “replace” operation

◀ “description” property gets  
value “new description”



# Demo

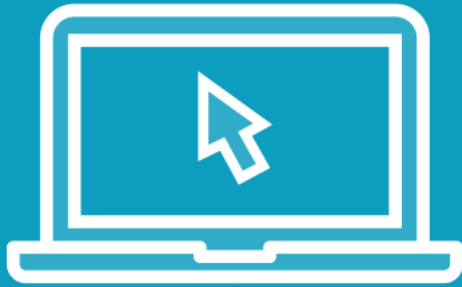


## Partially Updating a Resource





# 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

