Deleting Resources

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Coming Up

Deleting a resource & related resources

HTTP method overview by use case

Demo

Deleting a resource

Demo

Deleting a resource with child resources

Deleting Collection Resources

Sending a DELETE request to a collection resource like http://host/api/authors **is allowed**

It's rarely implemented because it can be very destructive

HTTP Method Overview by Use Case

Reading resources

GET api/authors

200 [{author},{author}], 404

GET api/authors/{authorId}

200 {author}, 404

Deleting resources

DELETE api/authors/{authorId}

204, 404

DELETE api/authors

204, 404

Rarely implemented

HTTP Method Overview by Use Case

Creating resources (server)

POST api/authors – {author}

201 {author}, 404

POST api/authors/{authorId} can never be successful (404 or 409)

Create a new resource for adding a collection in one go

POST api/authorcollections – {authorCollection}

201 {authorCollection}, 404

Creating resources (consumer)

PUT api/authors/{authorId} - {author}

201 {author}

PATCH api/authors/{authorId} - {JsonPatchDocument on author}

201 {author}

HTTP Method Overview by Use Case

Updating resources (full)

PUT api/authors/{authorId} – {author}

200 {author}, 204, 404

PUT api/authors – [{author}, {author}]

200 [{author}, {author}], 204, 404

Rarely implemented

Updating resources (partial)

PATCH api/authors/{authorId} -
{JsonPatchDocument on author}

200 {author}, 204, 404

*PATCH api/authors –
{JsonPatchDocument on authors}*

200 [{author}, {author}], 204, 404

Rarely implemented

What's Next?

We've got a good API, but it isn't RESTful yet

- HATEOAS
- Advanced content negotiation
- Caching and concurrency
- Paging, sorting, data shaping, ...

Follow-up course: Implementing Advanced RESTful Concerns with ASP.NET Core 3