

Implementing Business Logic with Endpoint Filters



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Coming Up



Filters for minimal APIs

- Comparing minimal API filters to ASP.NET Core MVC filters
- Learning about common filter scenarios

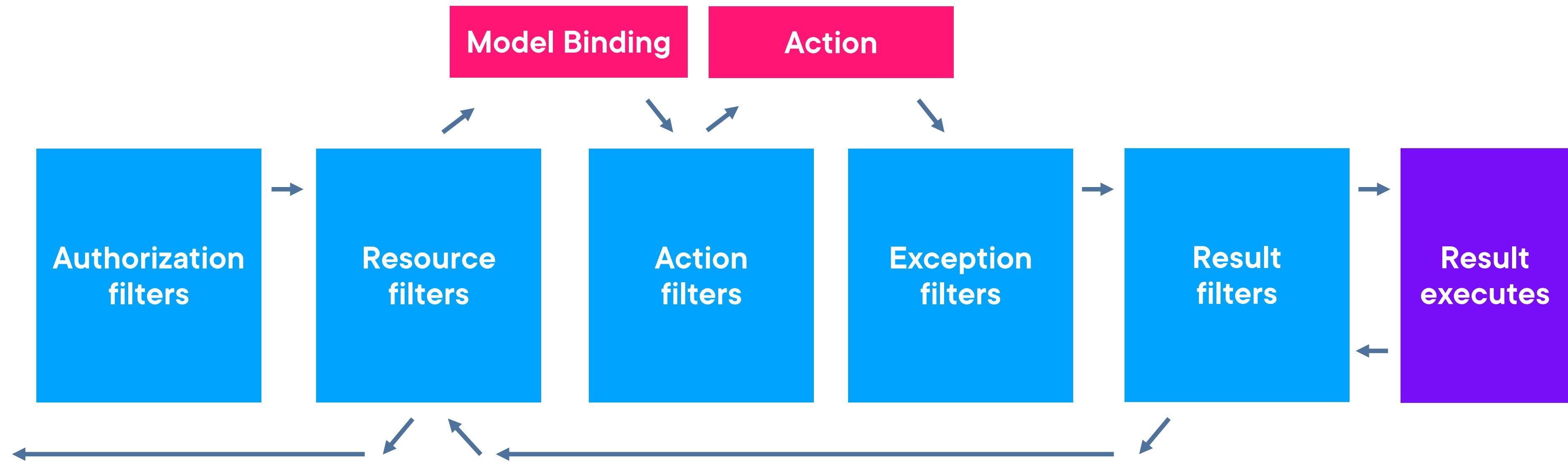


ASP.NET Core MVC filter pipeline

A pipeline of filters that runs after MVC has selected the action to execute. These filters allow you to run code before or after specific stages in the request processing pipeline.



The ASP.NET Core MVC Filter Pipeline



Filters for Minimal APIs

There is no comparable filter pipeline for minimal APIs

- As an alternative, endpoint filters are supported



Endpoint Filters Enable...



Running code before and after the endpoint handler



Inspecting and modifying parameters provided during endpoint handler invocation



Intercepting the response behavior of an endpoint handler



Common Scenarios for Filters



Logging request/response information



Transforming the request



Transforming the response



(Dis)allowing a request



Validating the incoming request



Filters for Minimal APIs

A request travels down the list of endpoint filters and then back up again in reverse order

- The order in which they are added is important!
- Filters can short-circuit the pipeline



Demo



Creating an endpoint filter



Demo



Making the endpoint filter reusable



Demo



Chaining endpoint filters and applying them to a group



Demo



**Applying business logic depending on
the response**



Demo



Handling request validation



Summary



Common endpoint filter scenarios

- Logging information about the request or response
- Transforming the request
- Transforming the response
- (Dis)allowing a request
- Validating the incoming request



Summary



Create an endpoint filter

- `IEndpointFilter`

Apply to an endpoint

- `AddEndpointFilter`



Summary



The order in which endpoint filters are added matters

Endpoint filters can short-circuit the pipeline



Up Next:

Securing Your Minimal API

