

Handling Errors and Formatting Responses



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Overview



Multiple Environments

- Development
- Production

Error Handler Page

- Visualize errors in a common format

Catch Errors Using Filters

- Modify response based on error

Enrich Status Code Response Information

- Custom help links and names for status codes

Override Default Error Generator



Setting Up Multiple API Environments



Demo



Setting up Multiple Environments

- Create multiple app environment for testing



Creating Custom Error Handler Pages



Demo



Creating custom error handler page

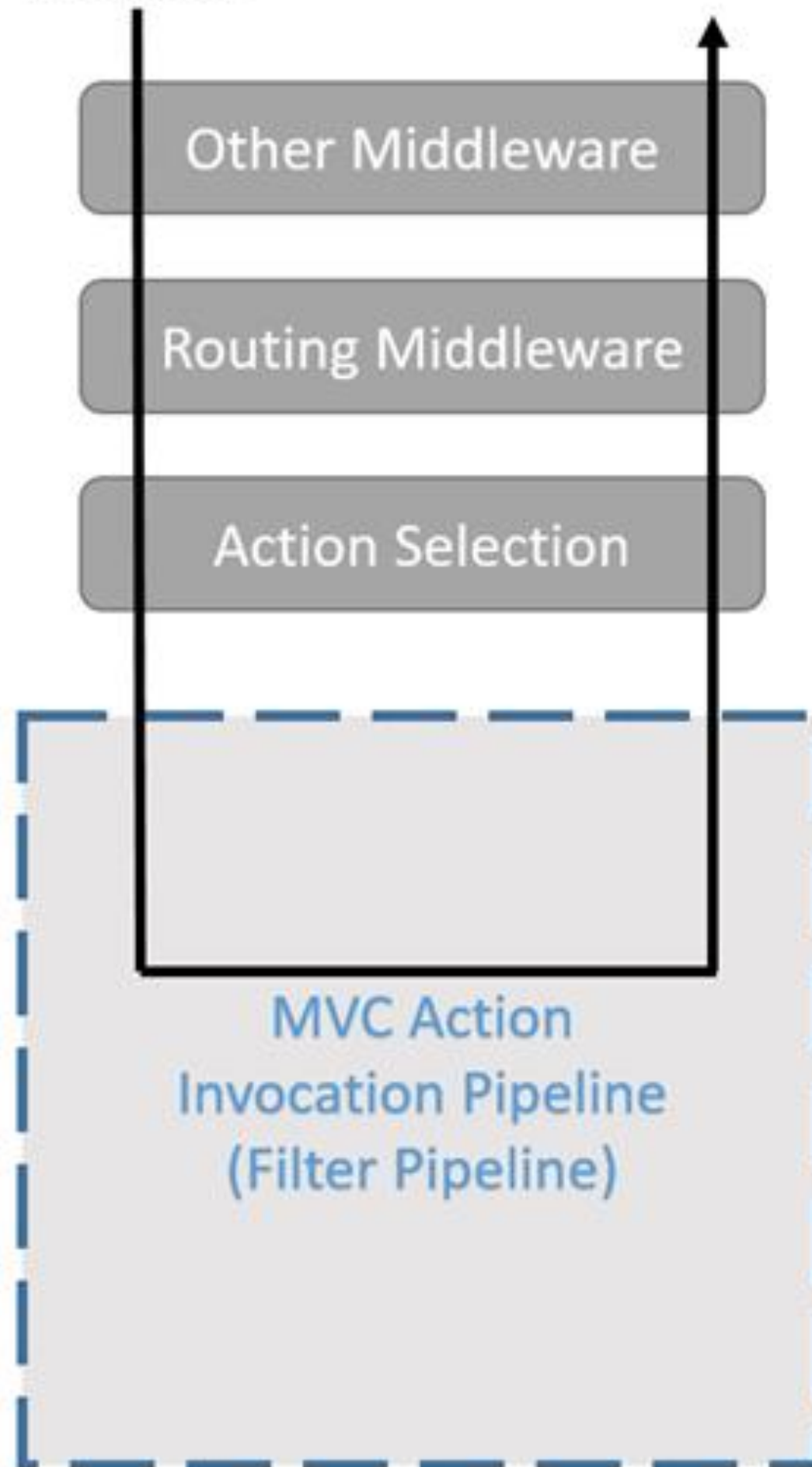
- Control how errors are displayed using an error page



Modifying API Responses Using Filters



Request



Filter Types

Authorization
Filter

Runs first.

Determine whether the user is authorized for the request.

Resource
Filters

After Authorization.

Action Filters

Run immediately before and after an action method is called.

Exception
Filters

Apply global policies to unhandled exceptions that occur before the response body has been written

Result Filters

**Run immediately before and after the execution of action results.
Run only when the action method executes successfully.**



Demo



Modifying API Responses using Filters

- Create filters
- Modify response output using filters



Mapping Error Codes to Instruction Links



Demo



Mapping Error Codes to Instruction Links

- Map error codes to documentation links





Customizing Default Error Details



Demo



Customizing Default Error Details

- Implement ProblemDetailsFactory
- Customize output of the error



Summary



New Environment

- Production

Custom Error Handler

- Production
- Development

Exception Filter

Client Error Mapping

- Enrich status code information using client error mapping

Override Default Problems Factory with Custom Implementation

