Debugging and Error Handling in ASP.NET Core 6 Web API

Global Error Handling

Nertil Poci
Software Architect

Overview

Built-in Error Handler

Custom Exceptions
- Create custom exceptions
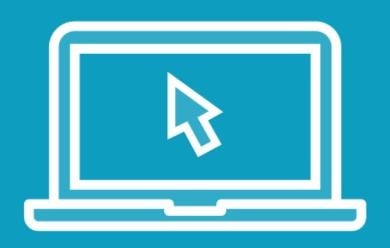- Unify custom exception interface

Logging Errors Globally
- Log unhandled exceptions globally

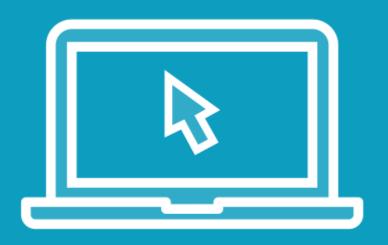**Custom Middleware**
- Create custom error handler middleware

Global Error Handling Using the Built-In Exception Middleware

Demo

.net6 Built-in Middleware

- Catch errors globally with the .net6 built-in middleware
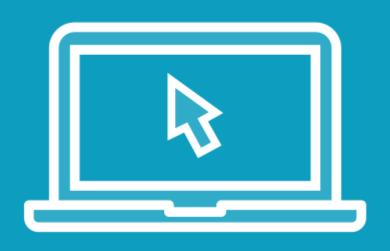
Working With Custom Exceptions

Demo

.net6 Custom Exceptions

- Create and use custom exceptions to enrich responses with meaningful messages and error codes
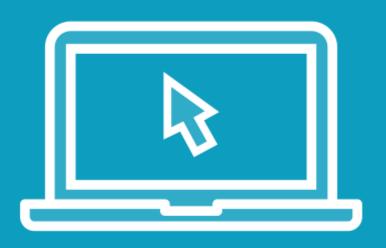
Logging Errors Globally

Demo

.net6 Error Logging

- Log errors globally using error handling middleware

Creating a Custom Error Handling Middleware

Demo

.net6 Custom Error Handling Middleware
- Create a custom error handling middleware to handle errors globally

Summary

Handle Errors Using the Built-in Error Handler

Custom Exceptions
- Create custom exceptions that can be thrown and have a well known interface

Global Error Logging
- Log unhandled exceptions globally

Custom Middleware
- Handle exceptions using a custom error middleware that is added to the request piepeline