

Advanced Techniques



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Overview



Using the DI container for A/B testing

Switching to another DI container

Autofac specific techniques:

- Property injection
- Built-in support for Lazy<T>
- Interception
- Assembly scanning



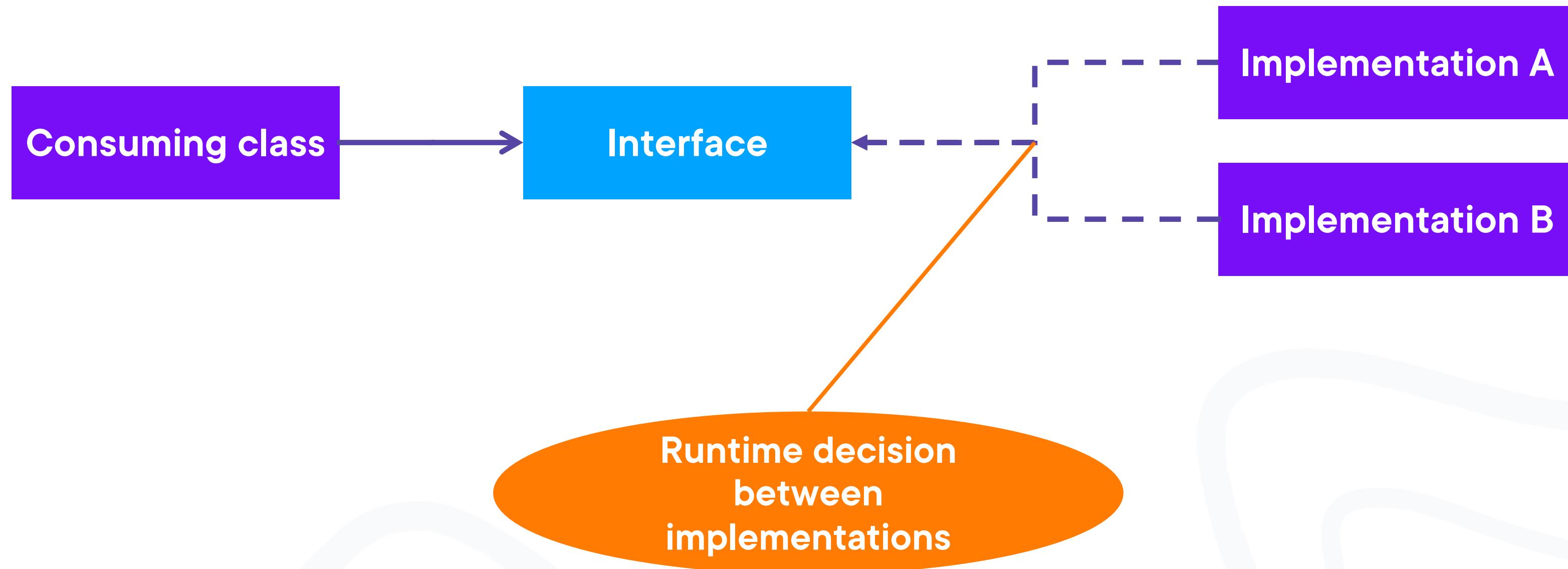
Demo



Implementing A/B testing using the DI Container

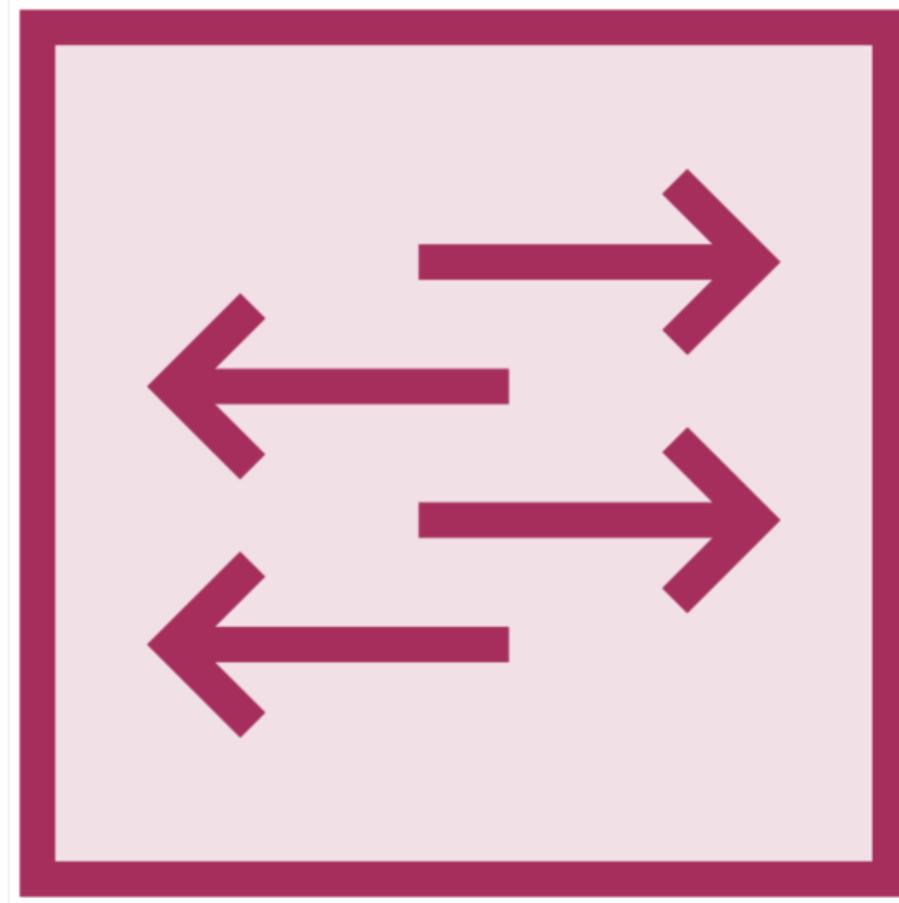


A/B Testing



Choosing Another Container





Why Switch Containers

Historical reasons

Specific capabilities

Claimed performance (actually not true)



Autofac vs. Ninject

Autofac

A very feature-complete container

Ninject

A container that focusses on simplicity



Autofac

About 284M downloads on NuGet

Very feature-complete

Built-in support for modules



Ninject

About 44M downloads on NuGet
Focusses on simplicity
Ultra lightweight and portable



Demo



Switching to Autofac



Demo



Optional and missing dependencies

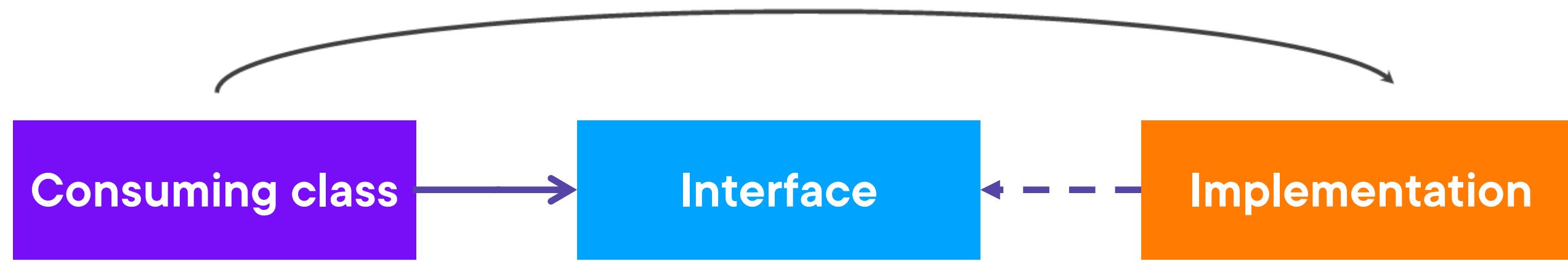
- Using Lazy<T>
- Using = null
- Using property injection



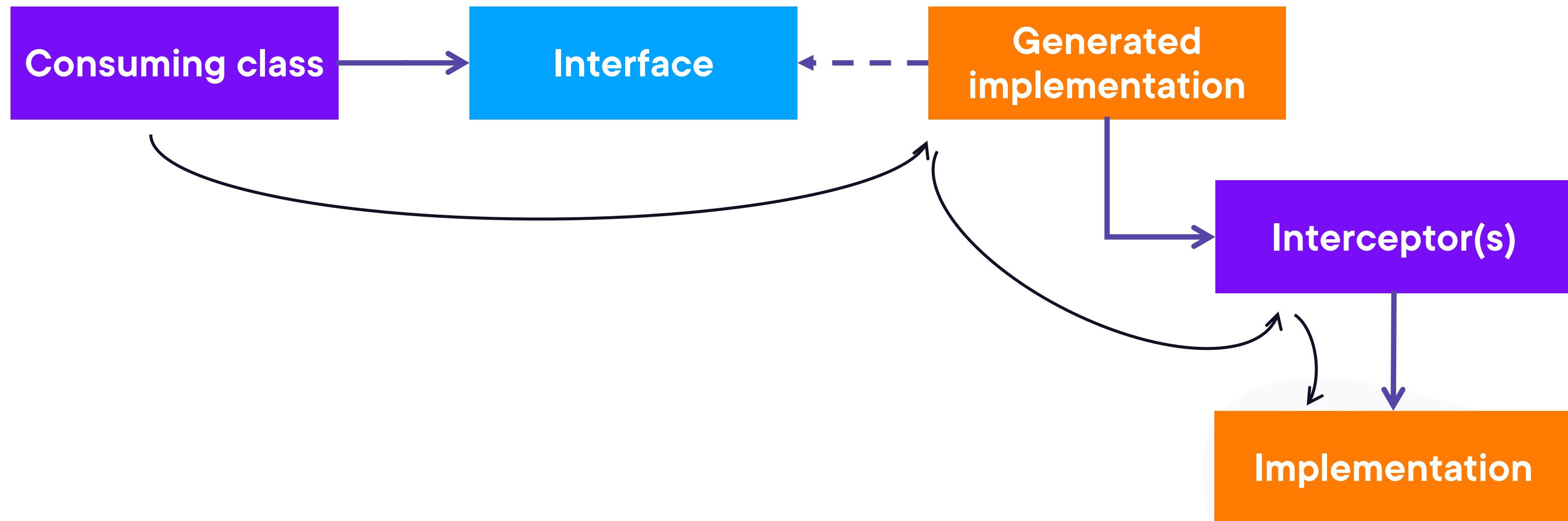
Interception



Adding Interception



Adding Interception



Common Use Cases

Logging

To quickly add rudimentary logging to an application that doesn't have it

Exception hiding

Adding a layer to catch and log exceptions, and strip stack traces to prevent information leakage



Demo



Using Autofac interception for logging calls



Demo



Using Autofac assembly scanning to automatically register dependencies



Overview



A/B Testing
Switching to Autofac
Property injection
Support for Lazy<T>
Interception
Assembly scanning





What's Next?



More Information

[Dependency Injection in ASP.NET Core](#)

Steve Gordon





C# Learning Path

To continue your journey learning C#





**Congratulations and
Thank You!**

