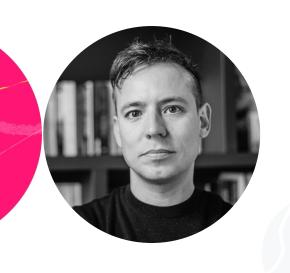
## Advanced Topics

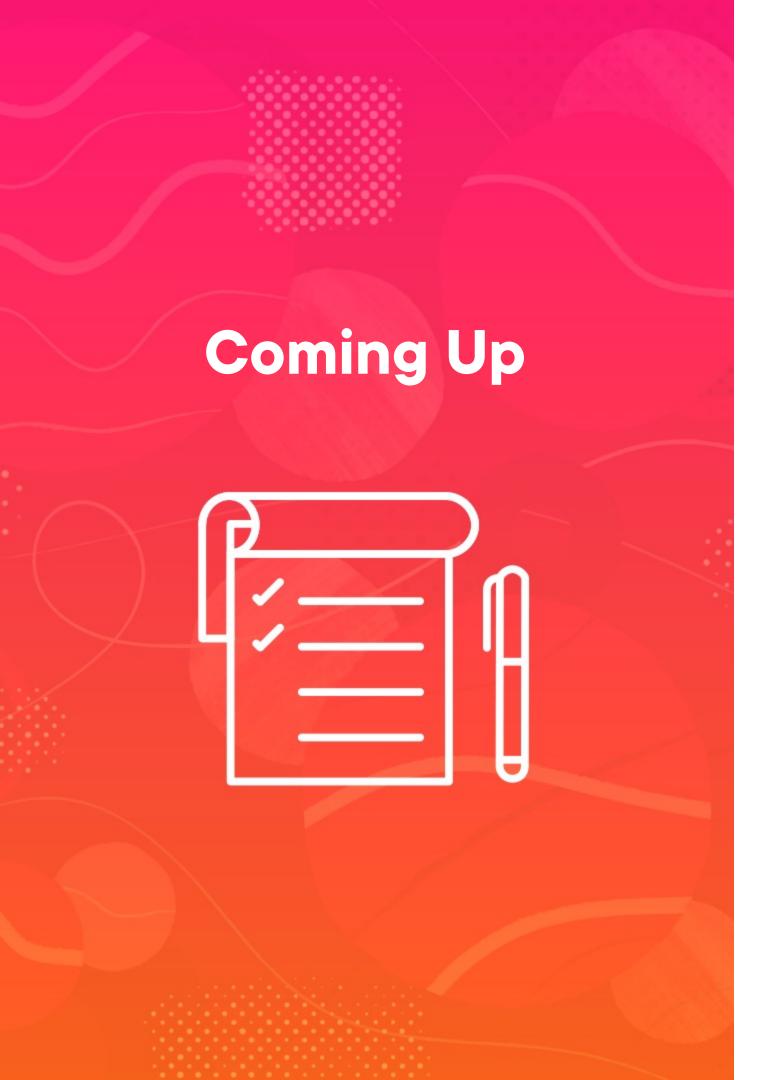


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Security implications from past to present

Working towards cleaner code with ReflectionMagic



### CAS (Code Access Security)

A security mechanism which enables different levels of trust for your code to help protect systems from malicious code



# Security Implications from Past to Present

#### Reflection was influenced by CAS

- SecurityCritical attribute
- ReflectionPermissionFlag enumeration

.NET no longer supports or honors these

# Security Implications from Past to Present

The reflection-only context allowed loading assemblies for inspection but not execution

This is no longer supported in .NET



#### Working Towards Cleaner Code with ReflectionMagic

Reflection-based code can become bloated



#### Working Towards Cleaner Code with ReflectionMagic

Reflection-based code can become bloated



# Working Towards Cleaner Code with ReflectionMagic

## ReflectionMagic is a library that helps with writing cleaner code

 Uses a custom DynamicObject underneath the covers

```
var person = new Person("Kevin");
person.AsDynamic()._aPrivateField = "Updated value via ReflectionMagic";
```

#### Working Towards Cleaner Code with ReflectionMagic

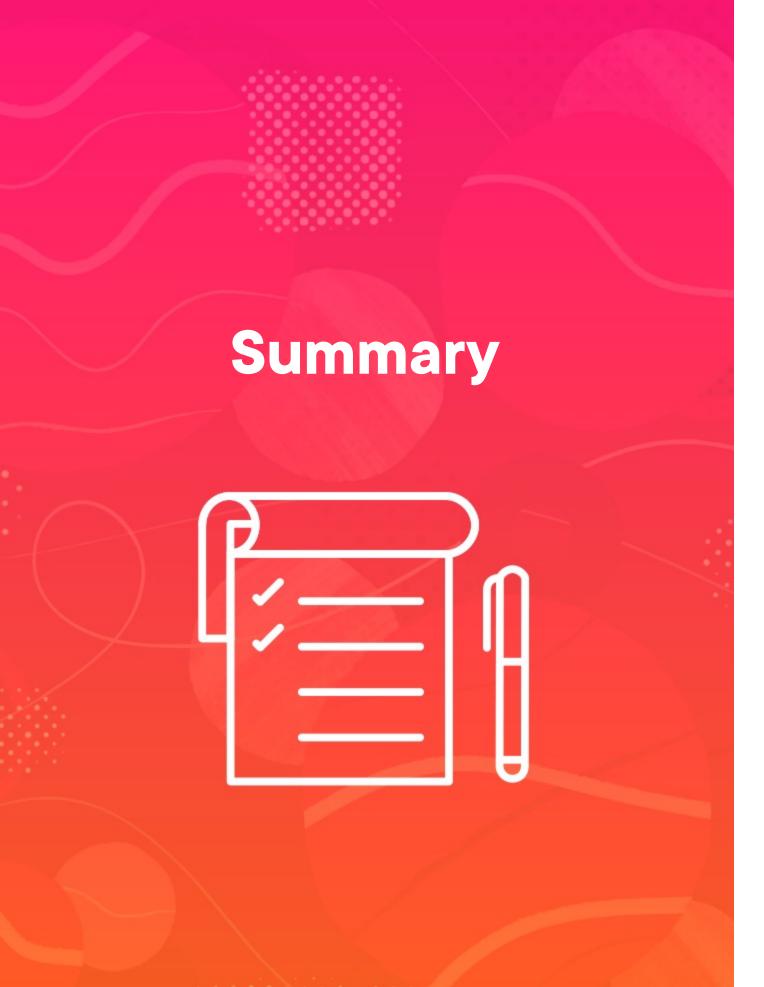
Better developer experience Cleaner codebase



#### Demo



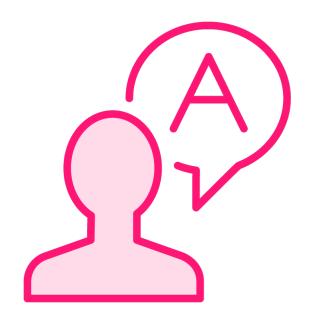
Working towards cleaner code with ReflectionMagic

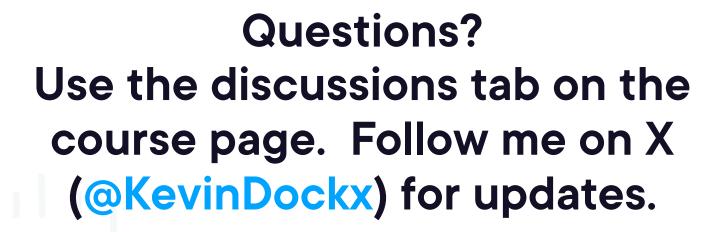


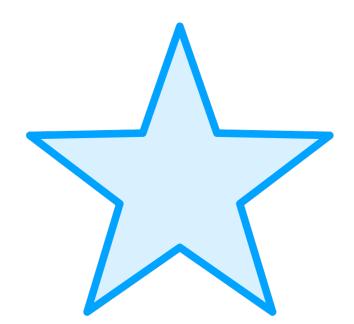
Code Access Security and the reflection-only context don't exist in .NET

ReflectionMagic helps keep your codebase clean

#### The End is Nigh...







Please consider rating this course!:)



