



TECH EVENTS WITH PERSPECTIVE

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Safer Code Nullability and Null Operators in C#

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Level: Intermediate



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What Nullability Is

- A way to get *compile-time* warnings about possible null references.
- A way to make the intent of your code more clear.



What Nullability Is Not

- NOT a way to prevent null reference exceptions at runtime.
- NOT a way to prevent someone from passing a null to your method.
- NOT a way to prevent someone from assigning a null to an object.

Nullability Operators

? . / ?[] (Null Conditional Operators)

```
tokenSource?.Cancel();
```

! (Null Forgiving Operator)

```
task.Exception!.Flatten().InnerExceptions
```

?? / ??= (Null Coalescing Operators)

```
return result ?? new List<Person>();
```

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Thank You!

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<https://github.com/jeremybytes/vslive2024-orlando>