Wildcards

Richard Warburton

@richardwarburto   www.monotonic.co.uk

The Substitution Principle

Upper Bounded Wildcards

Lower Bounded Wildcards

Unbounded Wildcards

Conclusions

Wildcard Comparison

? extends	? super
Declare an upper bound for the type parameter	Declare a lower bound for the type parameter
To get data out of the parameter	To put data into the parameter
Covariance	Contravariance

Guidelines for Usage

Get data with extends

Put data with super

Use ? Instead of ? extends Object

Get and Put without wildcards

Summary

How Generics and Inheritance interact

Bounded vs. Unbounded Wildcards

How and why to use Wildcards

What about compatibility?