



NT KONF

25. – 27.
SEPTEMBER
2023
PORTOROŽ

**NT
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AOP: from go-to to come-from

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Avtomatizacija sledenja aplikacij z uporabo Roslyn generatorjev izvorne kode

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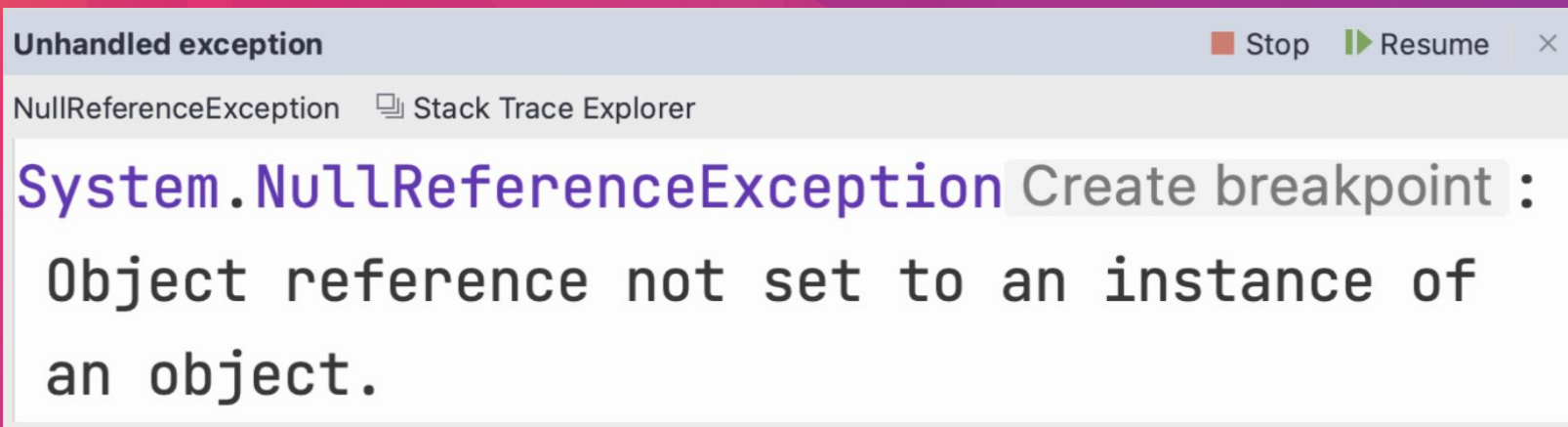


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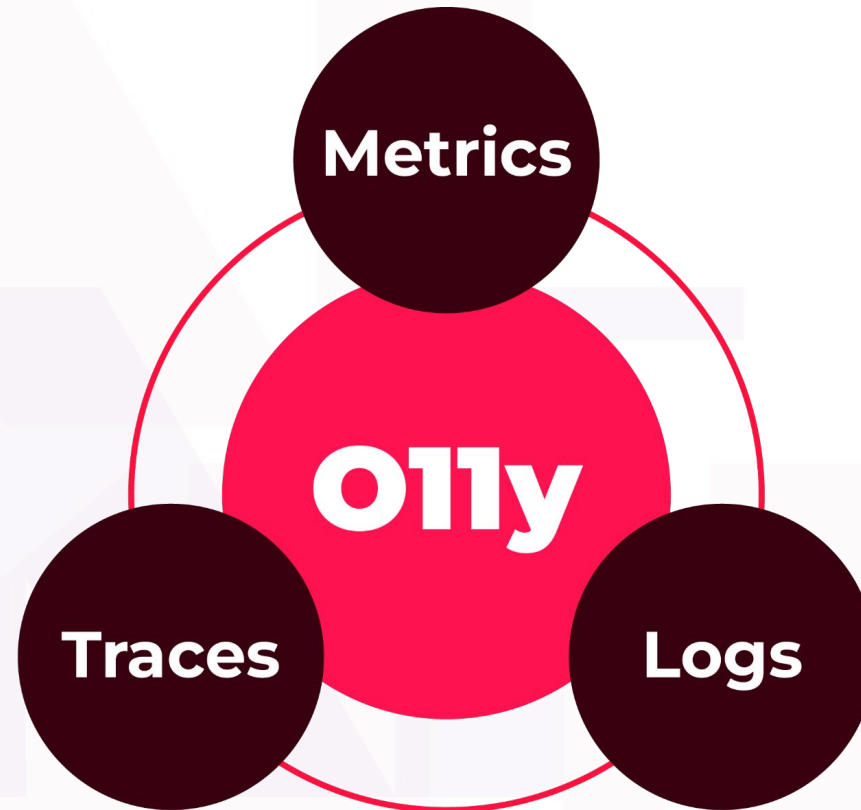


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0. Problem: zgodba, stara kot čas programiranje

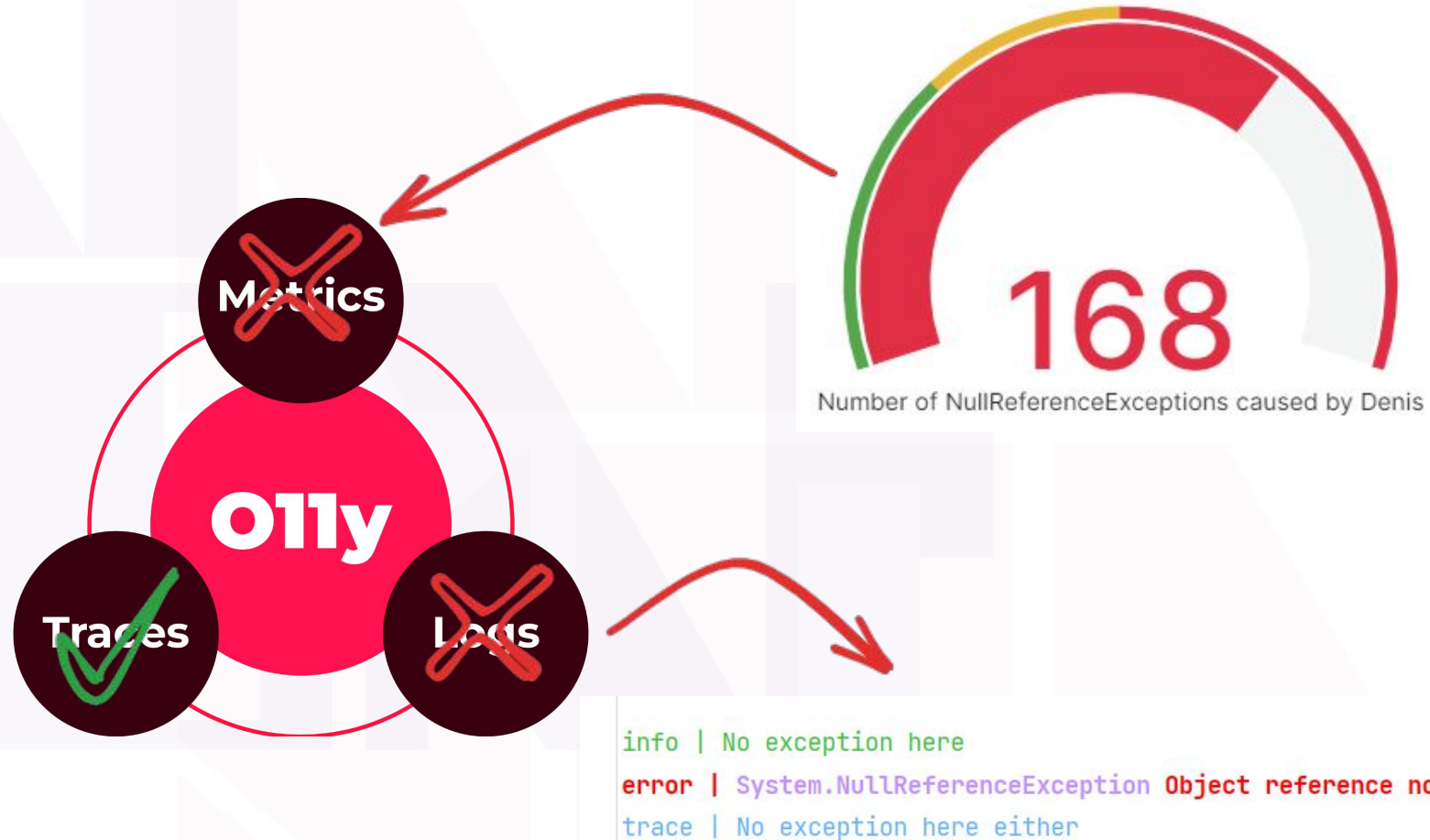


1. (Open)Telemetry: Srebrna krogla



OBSERVABILITY

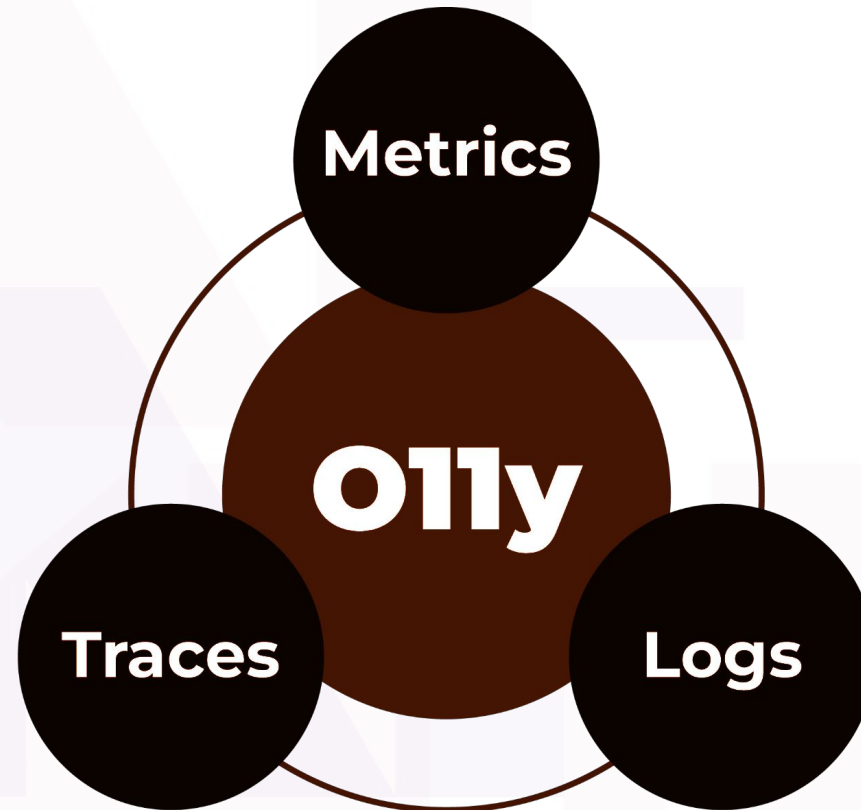
1. (Open)Telemetry: Srebrna krogla





DEMO: OpenTelemetry Tracing

1. (Open)Telemetry: ~~Srebrna krogla~~

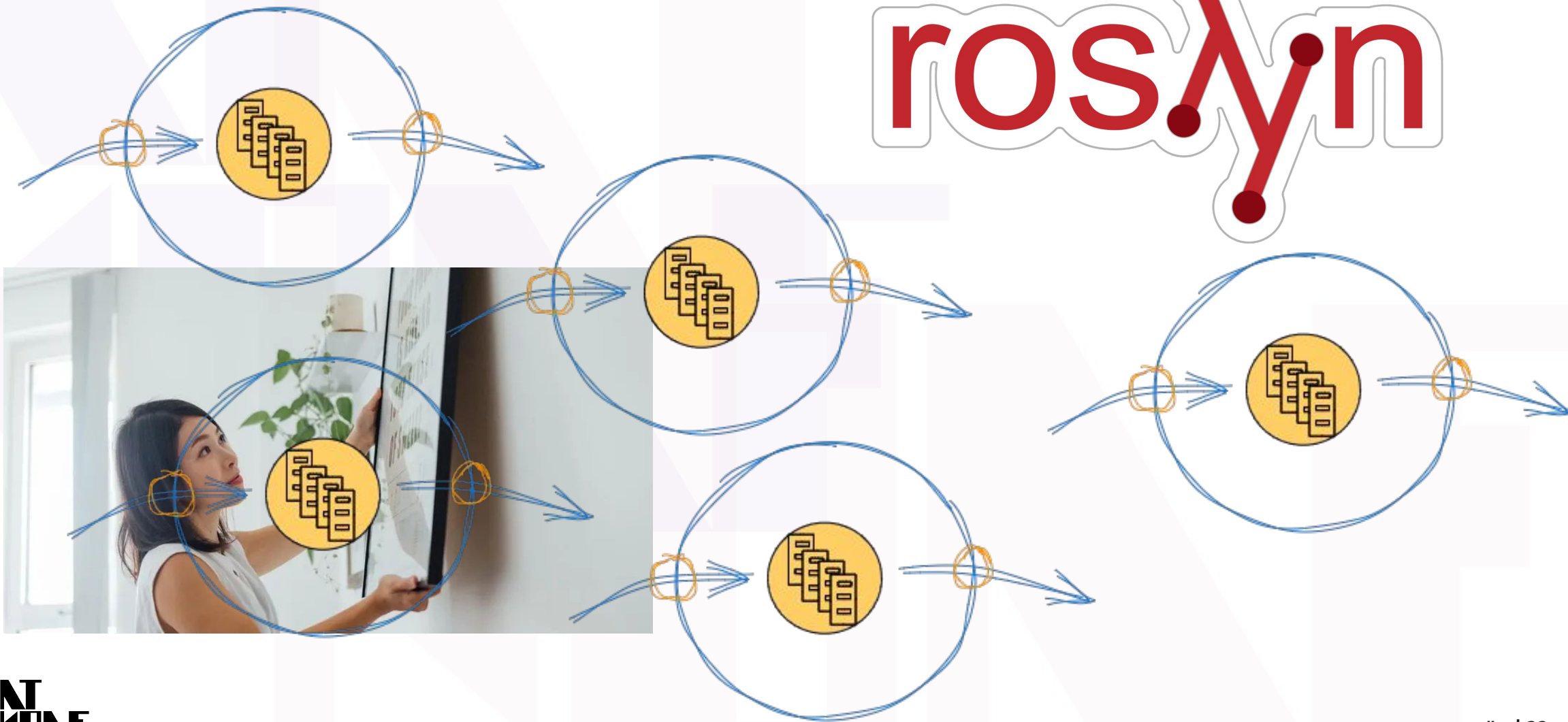


2. OpenTelemetry Instrumentation



- Automatic Instrumentation
 - Monkey patching
 - Assembly redirection
- Manual Instrumentation
 - Write it yourself

3. Roslyn Source Generators to the rescue





DEMO: Generating Decorators

3. Roslyn Source Generators to the rescue



... yeah, but ...



.NET 8.0

The End!

...or is it?

4. Interceptors

- .NET 8.0/C# 12 (November 14th)
- Preview Feature *
- Limitations apply **



* – Subject to change or removal in future versions of .NET

** – Work in limited scenarios only



DEMO: Generating Interceptors

Hvala!

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