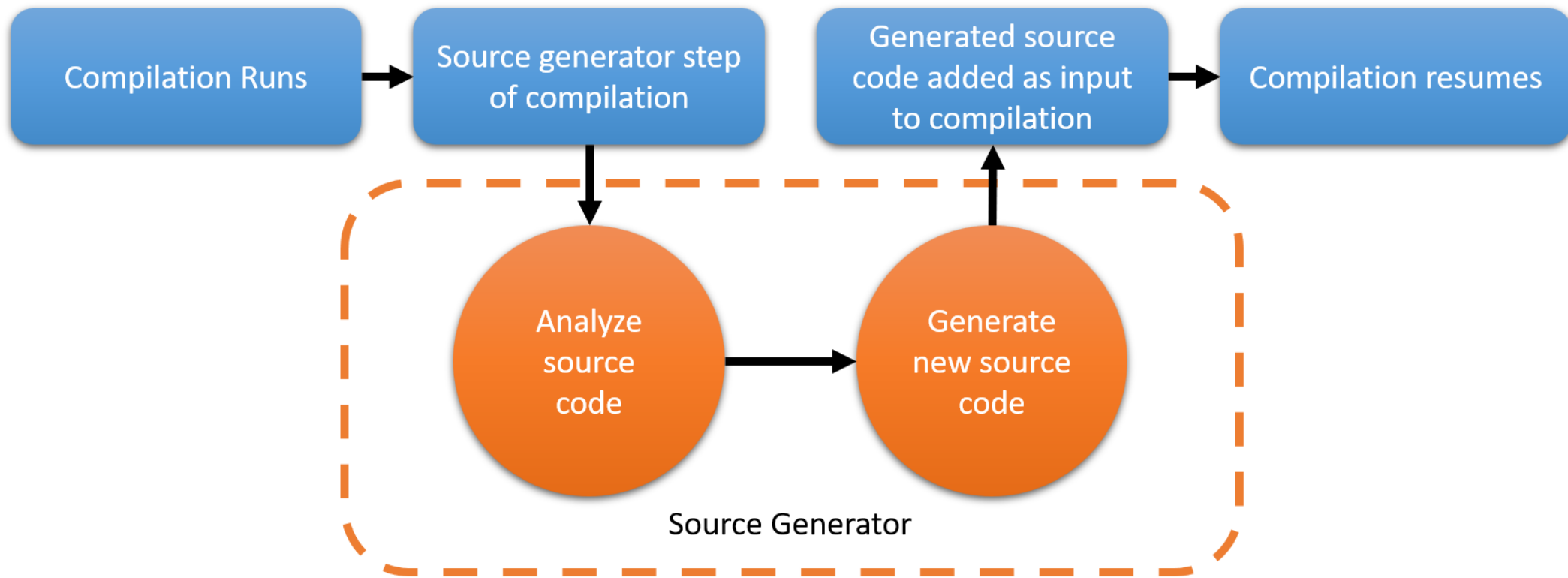# C# Source Generators - let the machine do the programming

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C# 9 source generators

- Metaprogramming during compilation
  - Code generation
- Side step during compilation

C# 9 source generators

C# 9 source generators

- "Reflection" pre-generation
- Zero-alloc parsers
  - XML, JSON, …
- Strongly typed APIs
- "Dummy"/combinational overloads
- P/Invoke

C# 9 source generators

- Only additive
  - cannot modify code
- No order
- Can add diagnostics (warnings)
- Can use Additional Files
  - Obviously C# files too

Demo

Q & A