Java SPI & Demo

What is it
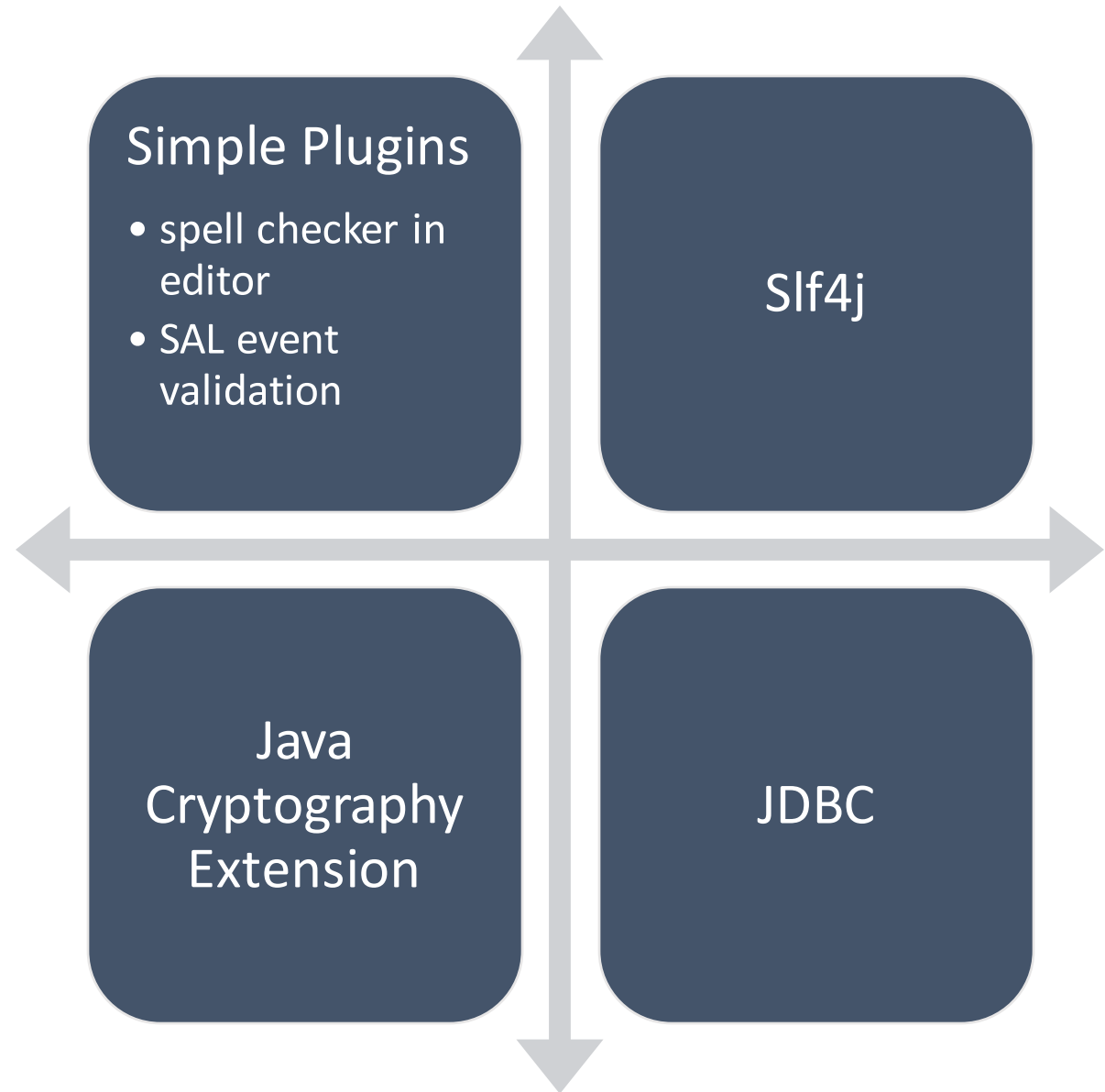
Provide implementation at startup time
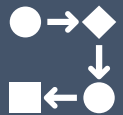
Iterate multiple implementations

Use Cases

Simple Plugins

- spell checker in editor
- SAL event validation

Slf4j

Java Cryptography Extension

JDBC

Alternative

Java reflection
- 😃 Load implementation at run-time
- 😑 Messy syntax for methods discovery
- 💀 class loader problem

OSGI
- 😃 load implementation at runtime
- 😃 colocation of different Java version and library version
- 😑 deep learning curve
- 👿 slow startup time E.g. Eclipse

Sprint
- 👿 dislike Sprint

Java SPI

☺ Clean syntax

☺ Fast loading time

☺ IDE support

☺ Future proof – Java9 module build on top of it

😐 Jar loading at startup time only

😐 No way to run in different JVM version

😐 Difficult to support multi-version of the same library, Layer

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Demo