

External Log Libraries



Maaïke van Putten

Software Developer & Trainer

www.brightboost.nl



Overview



Common loggers

Log4j demo

Slf4j demo

Checking vulnerabilities



Common Logging Alternatives



Log4j

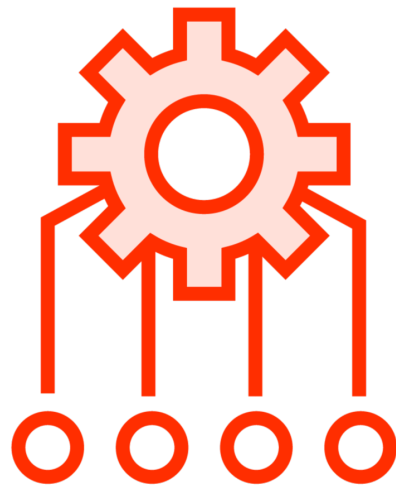
Slf4j

Logback

JCL

... and more!

Log4j



Async logging



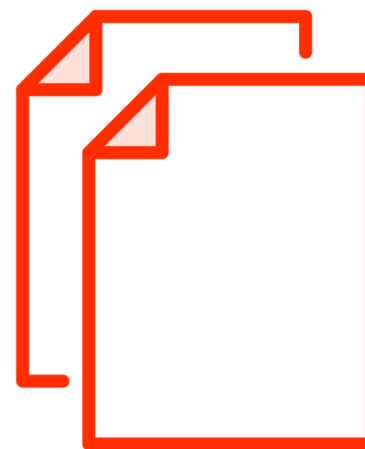
Lazy evaluation



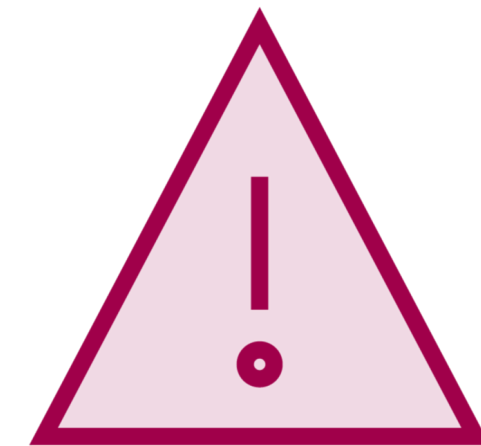
Advanced filtering



Garbage-free



Various outputs



**Built-in exception
logging**



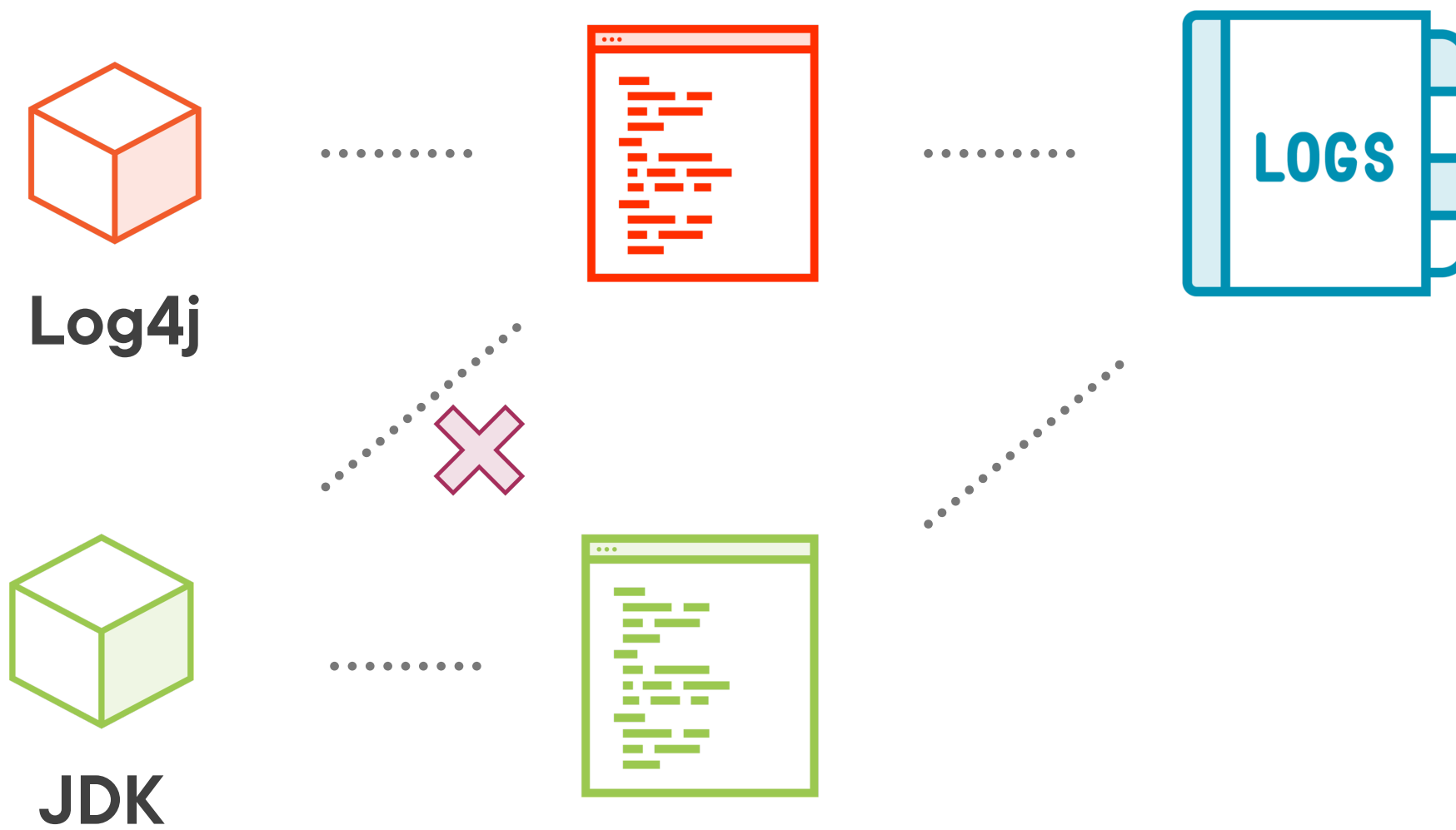
Demo



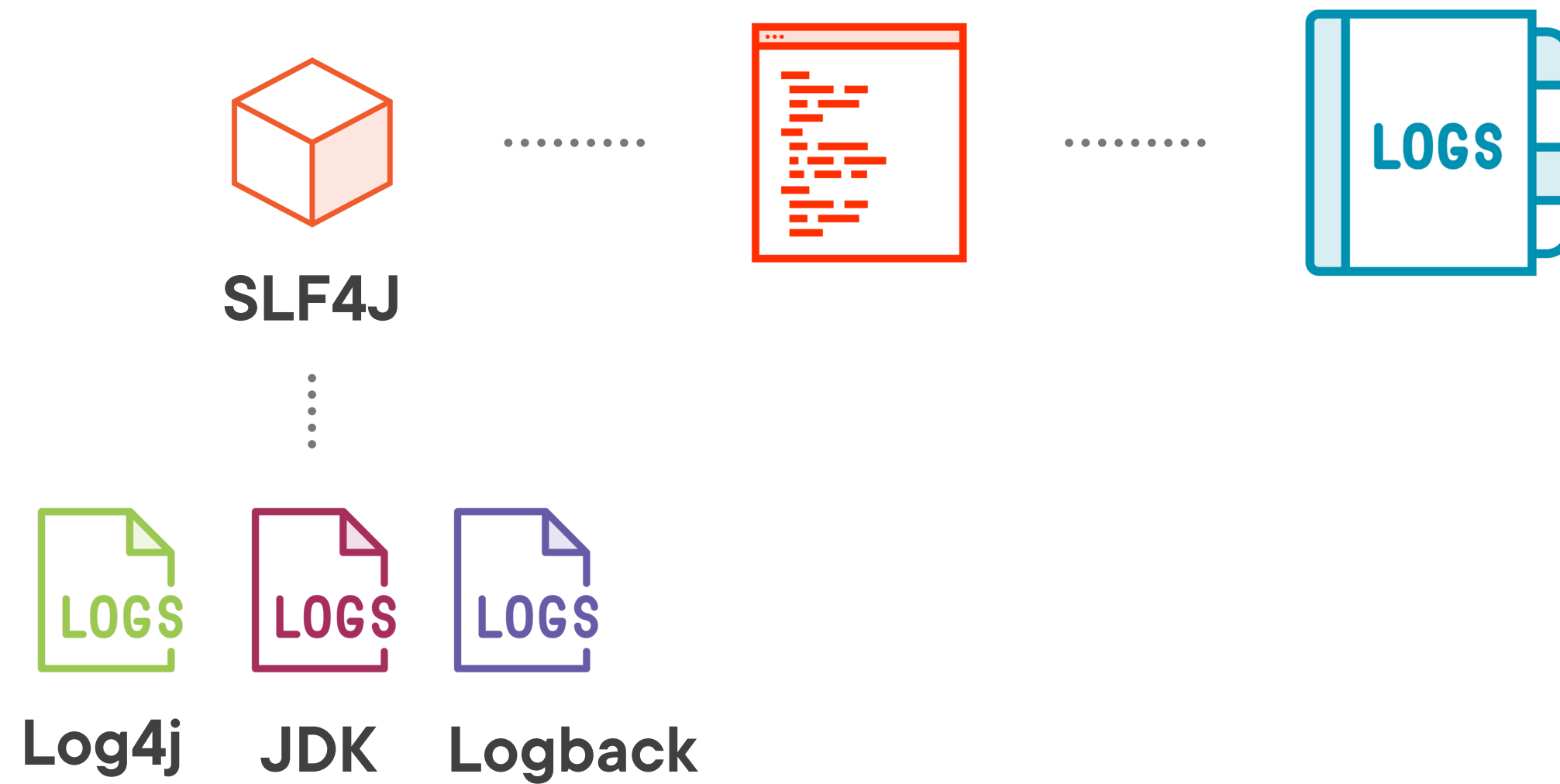
- Basics of logging with Log4j
- Adding Log4j



Changing Log Library



SLF4J Overview



Demo



- **Adding SLF4J**
- **Adding loggers**



Checking for Vulnerabilities



Make sure to not use dependencies with vulnerabilities

This can be automated with tooling (recommended)

Vulnerabilities could be checked manually



Demo



- **Sonatype OSS Index**



Summary



Common loggers

Log4j demo

Slf4j demo

Checking vulnerabilities



Good log!

