

# Introduction to Spring Platform

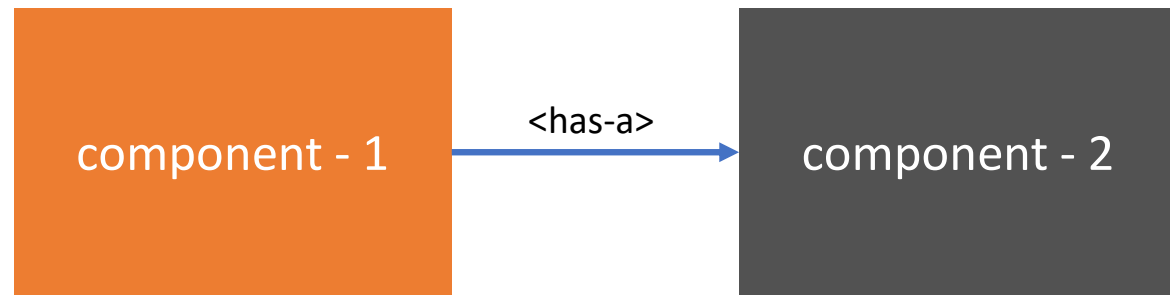


# Spring Platform

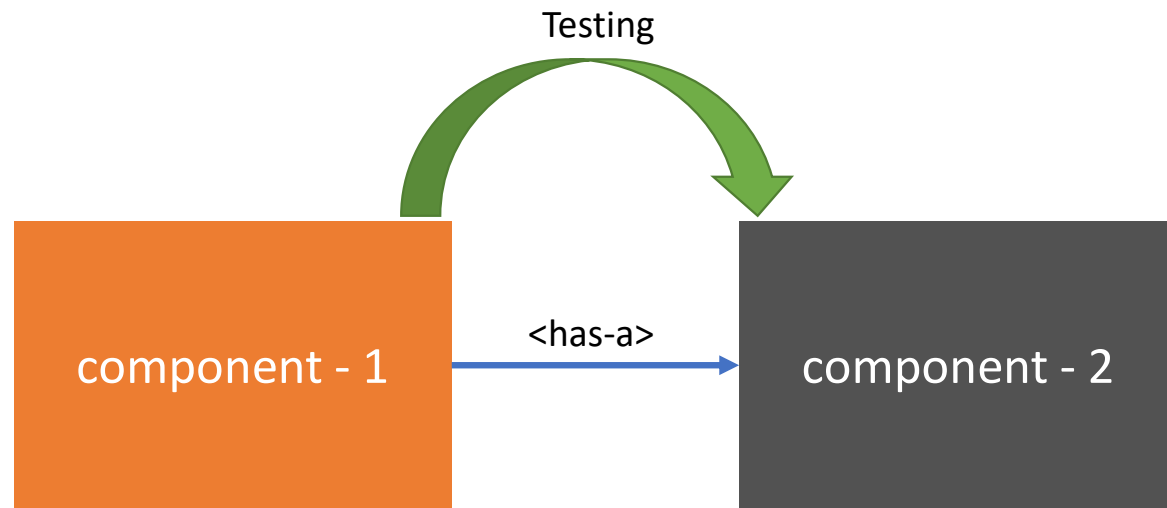


- Ecosystem of various spring modules
- Plug and play architecture
- To build production grade standalone and web applications

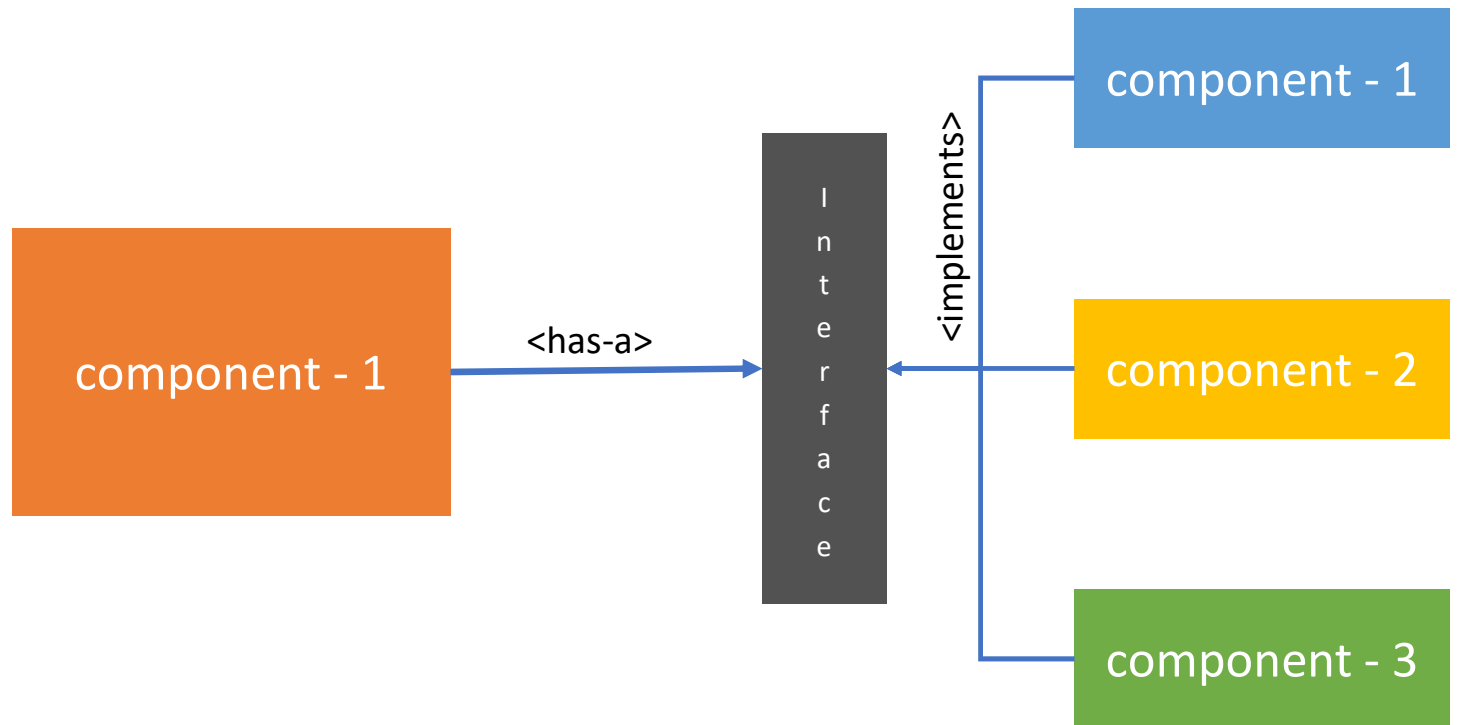
## Coupling



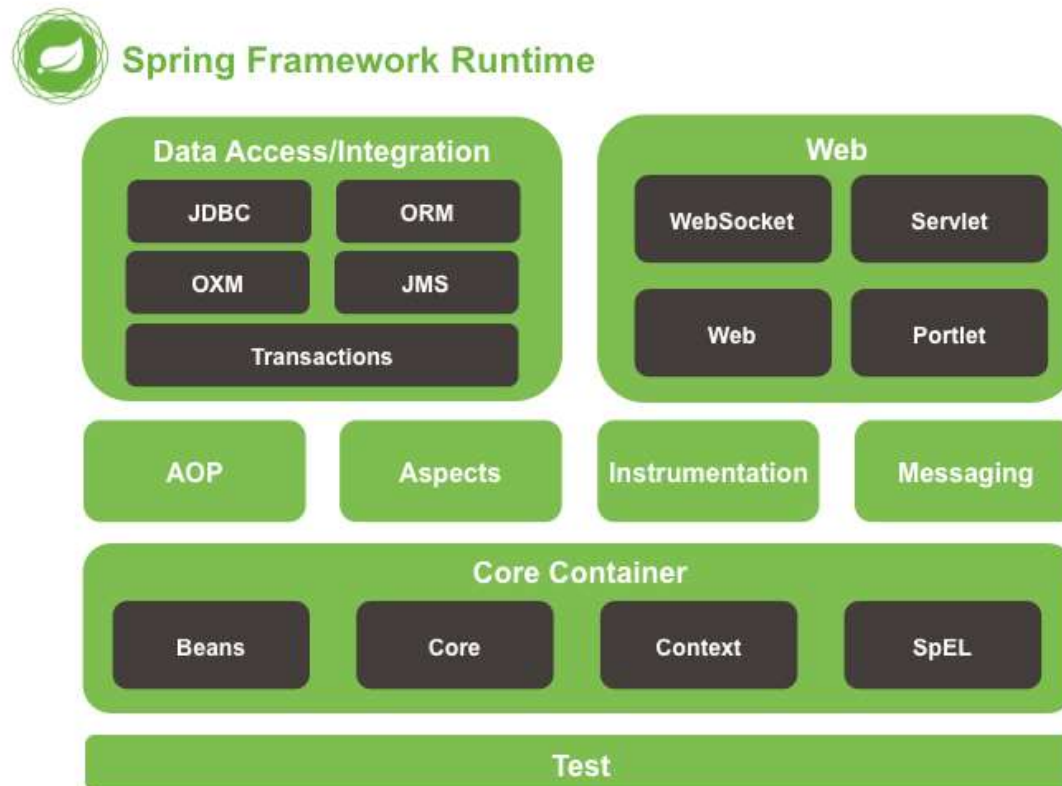
## Coupling



# Coupling



# Spring Platform



## Motivation to adapt Spring Platform

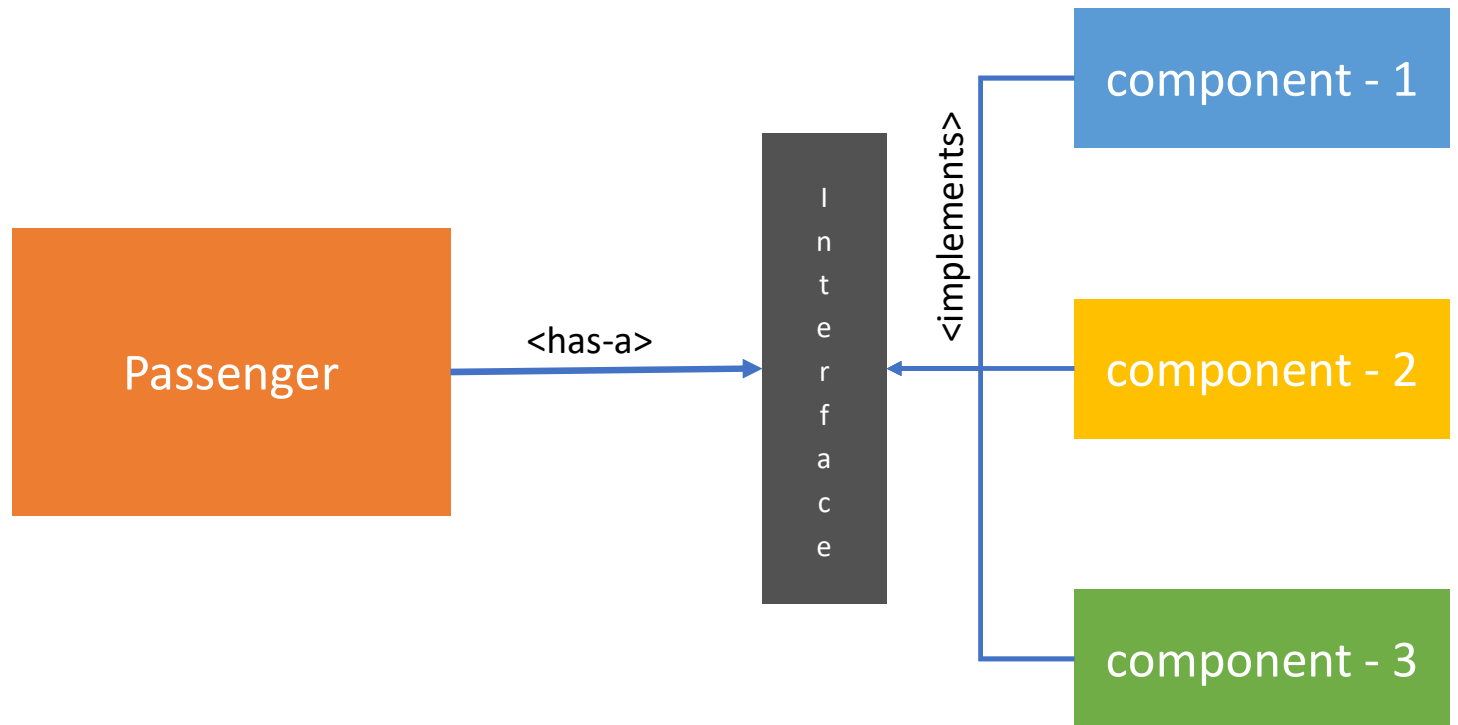
- No need to extend or implement framework specific classes and interfaces
- Seamless Integration with 3<sup>rd</sup> party frameworks and libraries
- Rich community support
- Comprehensive documentation and how-to guides



Case-Study



## Case-study



# Spring Platform

- Scaffolding project structure
- Dependencies management
- Infrastructure dependencies management
- Configuration
- Packaging
- Deployment
- Monitoring

# Challenges

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# Scaffolding

- Maven or Gradle project
- Setting up VCS integration
- Maven binary installation
- Starting the application

## Dependency management



- Maven/Gradle dependencies
- BOMs compatibility
- NoClassDefoundError

## Infrastructure Dependency management



- Setting up infrastructure with Application Context
- Repetitive
- Static configuration
- Difficult to maintain and scale

## Packaging and deployment

- Packaged as war file
- Reduced dev-ops parity
- Configuration drift
- Not suitable for containers/cloud-native apps



# Monitoring

- Reactive approach for incident management
- Instrumentation using JMX/external dependencies
- Manual and not scalable for cloud-native deployments