



BARTOSZ LECZYCKI

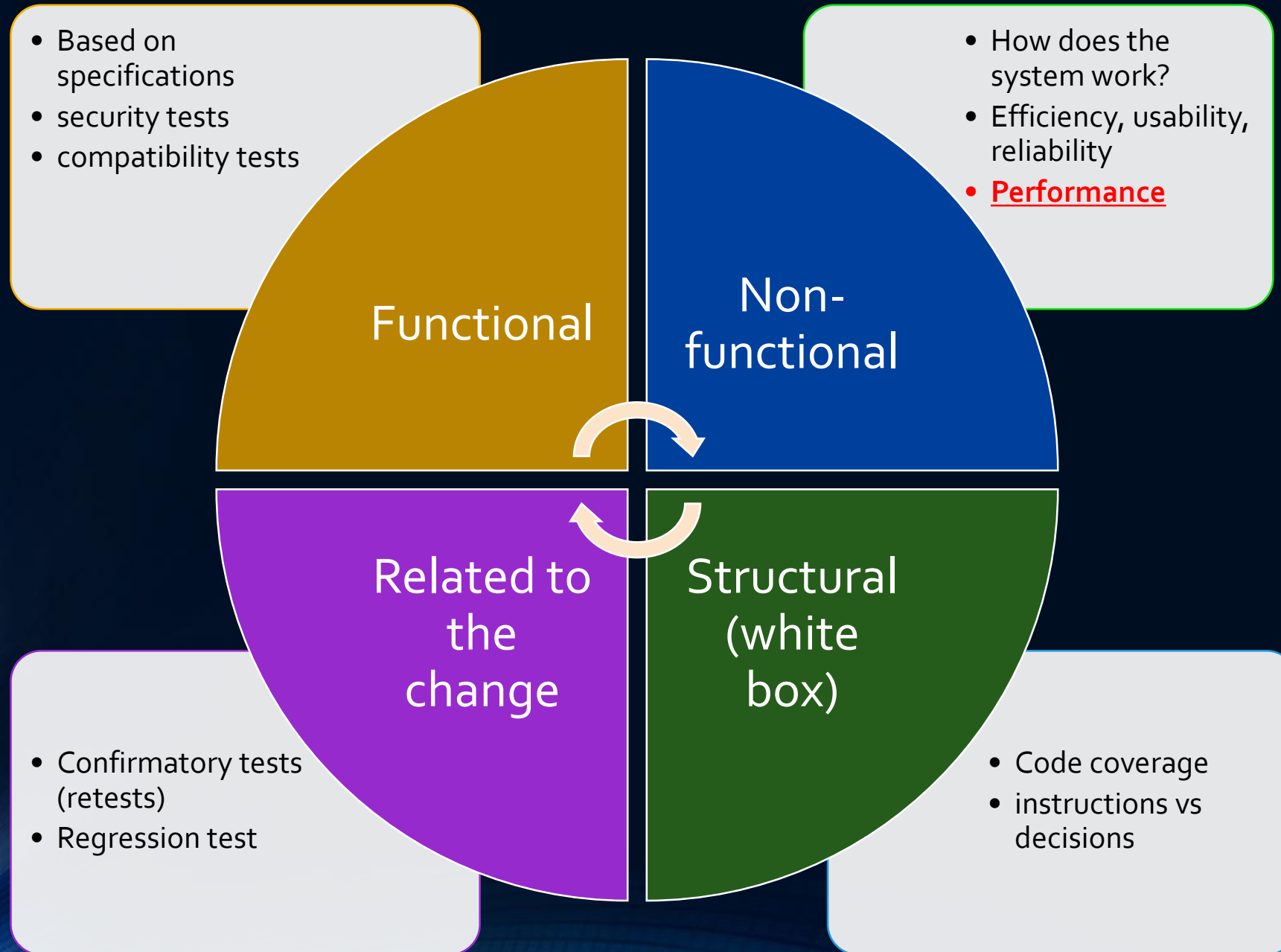
Plan of presentation

1. What is Gatling?
2. Types of tests
3. The most popular tools
4. Gatling vs JMeter
5. Steps for the test scenario
6. Recording and playback of tests
7. A simple project using Gatling + IntelliJ + Scala

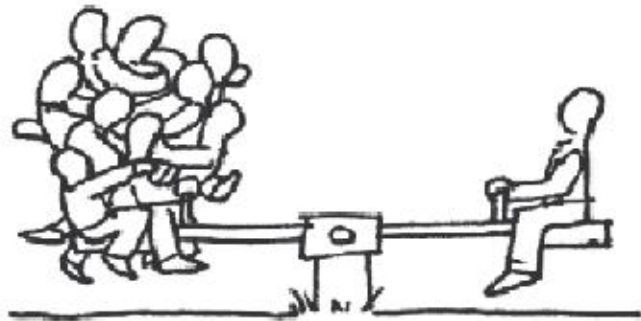
Gatling

- Is a highly capable load testing tool. It is designed for ease of use high performance.
- Gatling comes with excellent support of the HTTP protocol that makes it a tool of choice for load testing any HTTP server
- Test scenarios are maintainable and easy-to-read
- Easy CI integration with performance reporting

Types of tests



Performance, Load, Stress tests



Performance Test



Load Test

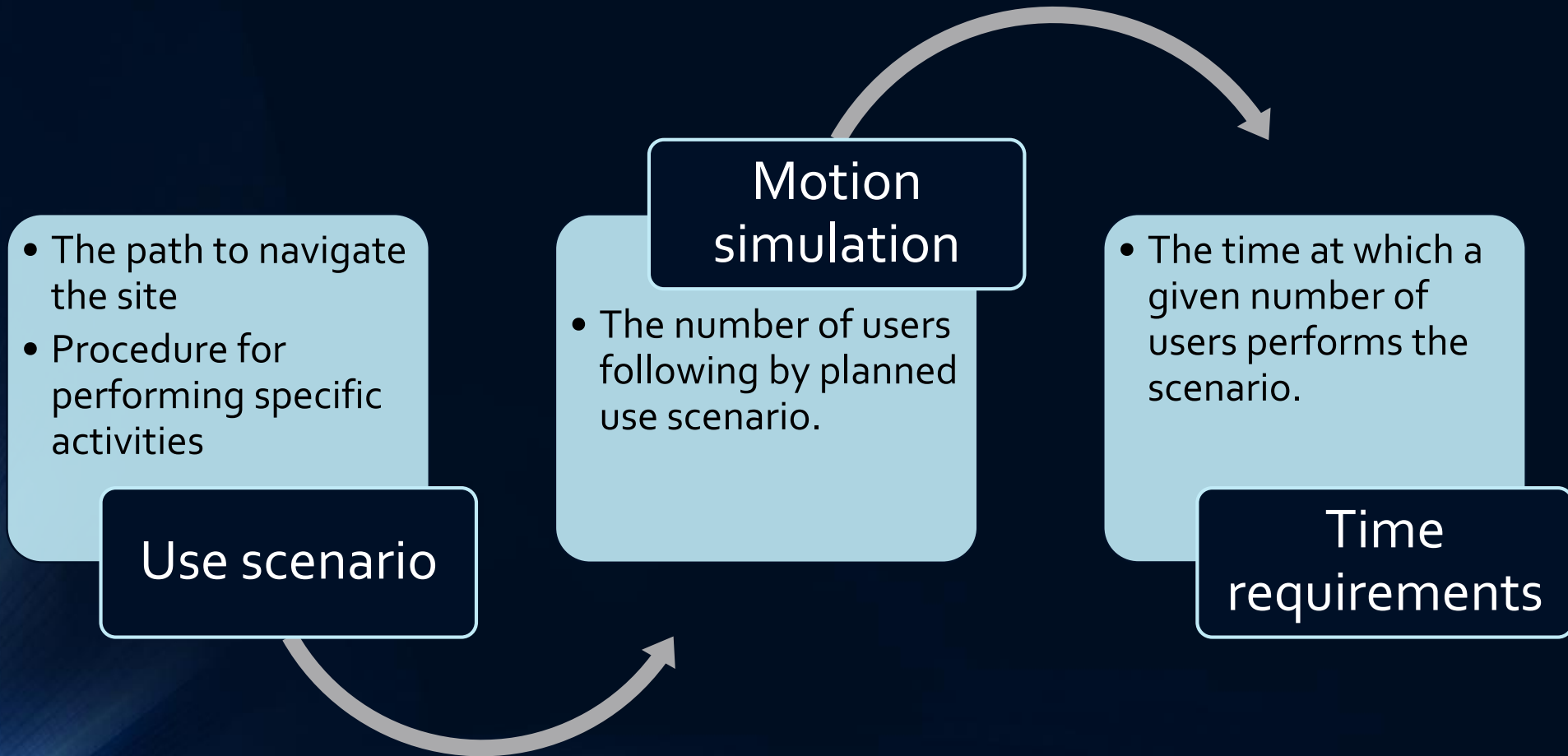


Stress Test

The most popular tools



Steps of performance tests

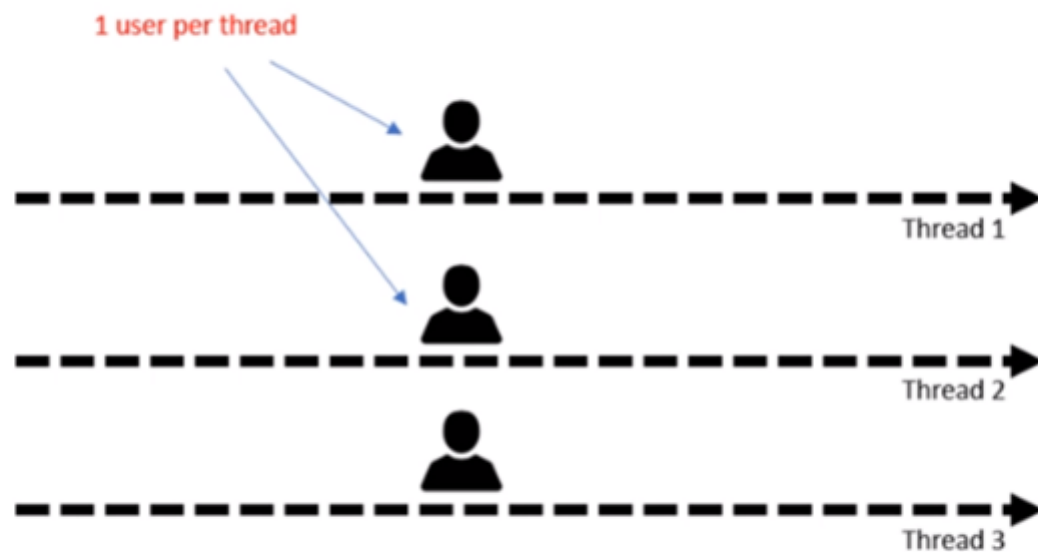


JMeter vs Gatling

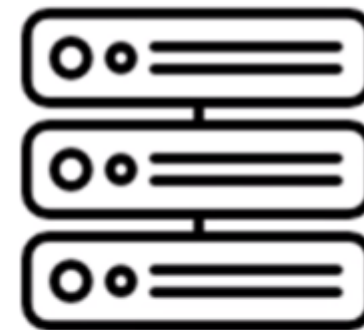
	Jmeter (1998)	Gatling (2012)
Construction	Java (60%) + XML + HTML	Scala (90%) + HTML
Scripting	UI coding	Coding (Scala)
Performance	One thread = One user	One thread = Many Users (Akka implementation)
Supported protocols	HTTP, HTTPS, WebSocket , Rest Api , Soap Services	HTTP, HTTPS, WebSocket , Rest Api
Report	HTML,CSV	HTML
Recorder	+	+



Multiple Load Injectors



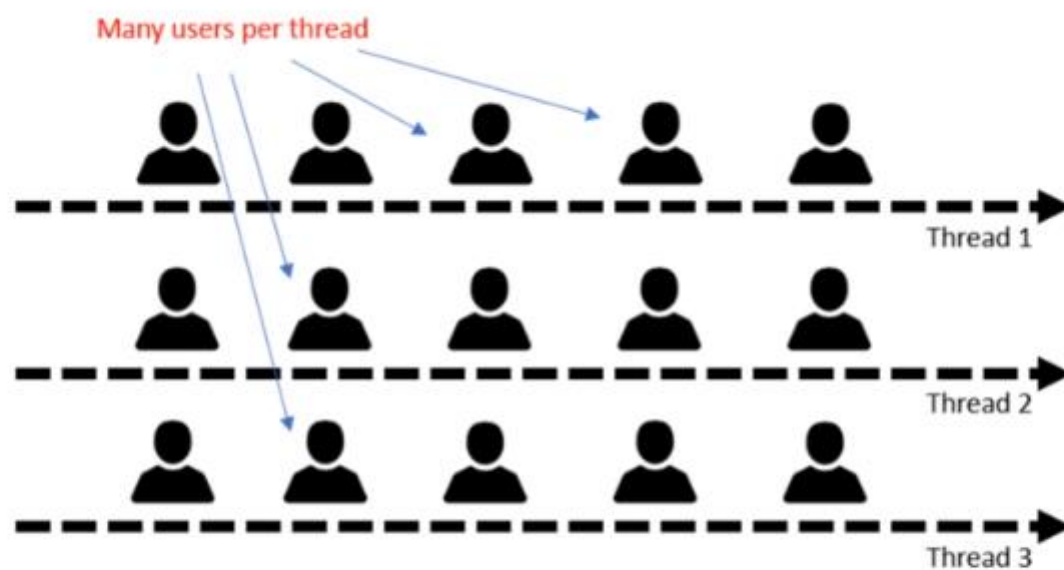
Virtual Users



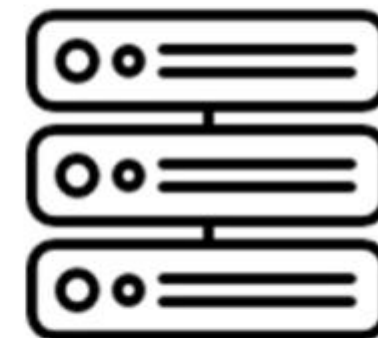
Target System



Single Load Injector



Virtual Users



Target System



Official Enterprise version , Price from 400€ / month

- ✓ Managment
- ✓ Unlimited virtual users
- ✓ Unlimited testing

Record and playback

<http://computer-database.gatling.io/computers>

Gatling project – what we need to start?

- JDK
- Gatling
- IntelliJ Idea (IDE)
- Scala plugin
- Maven

Summary

- Tailored to market needs
- Good in maintenance
- Supported