

Async Scalable Webapps

Vert.x, AngularJS, MongoDB

Erwin de Gier

Sogeti Java CoE

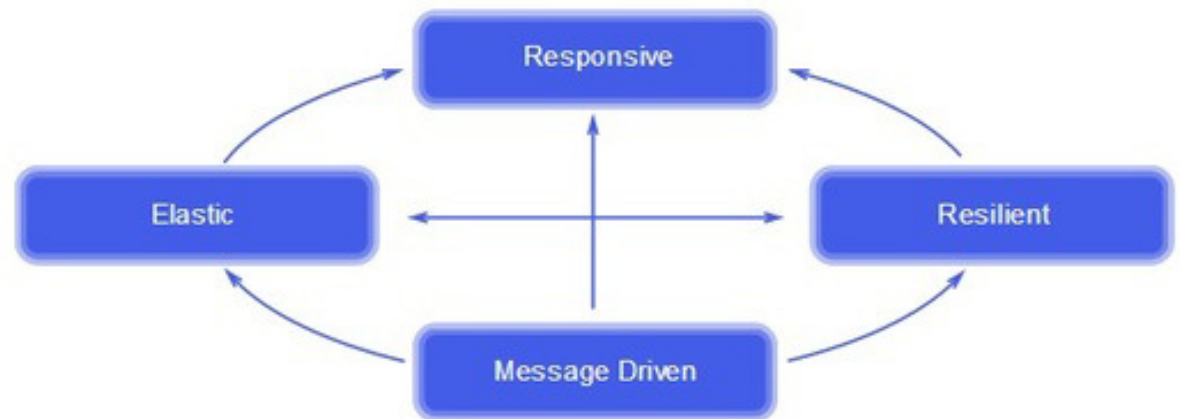
Amsterdam, Februari 2015

Demands

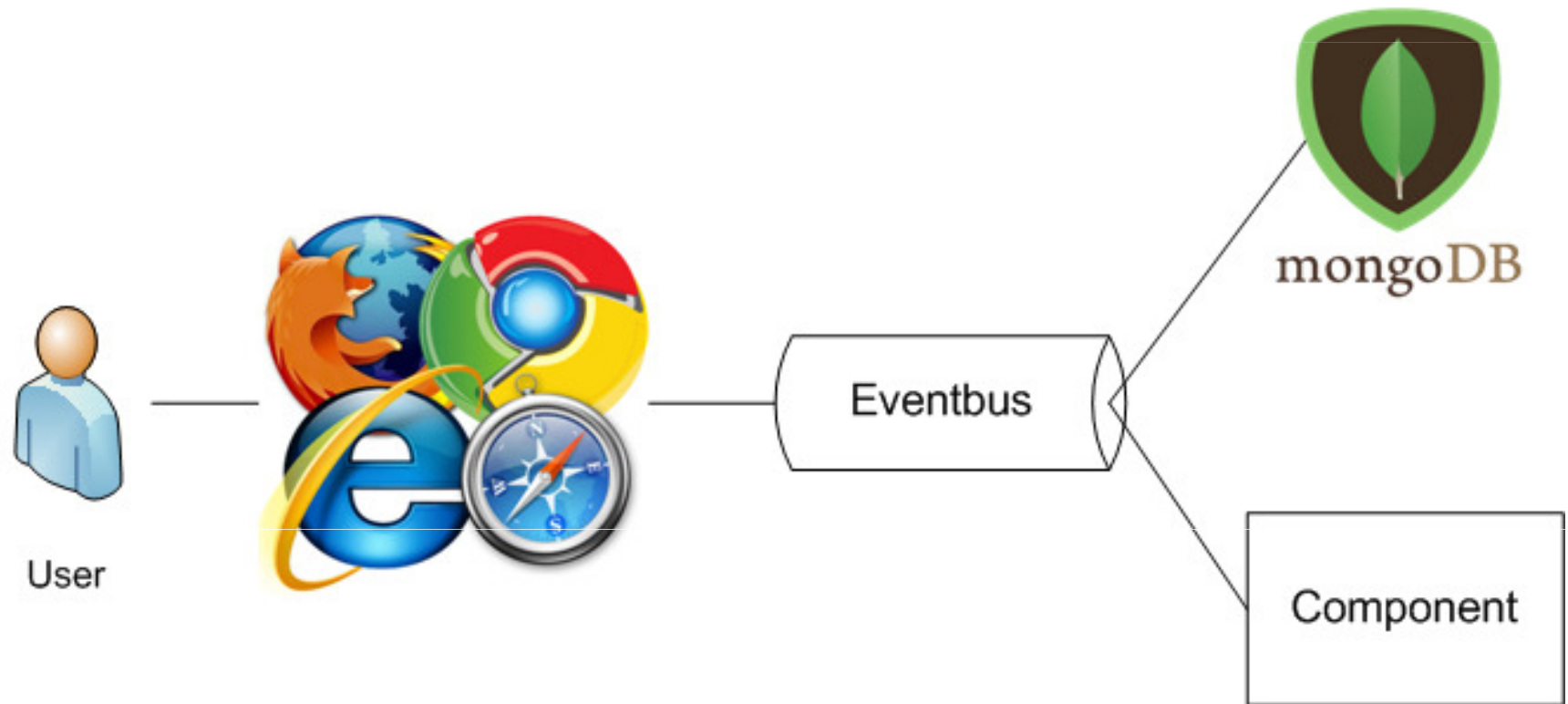
- Mobile
- Multicore
- Cloud computing
- Interactive & real-time
- Responsive
- Collaborative

Reactive manifesto

- react to events (message driven)
- react to load (scalable)
- react to failure (resilient)
- react to users (responsive)



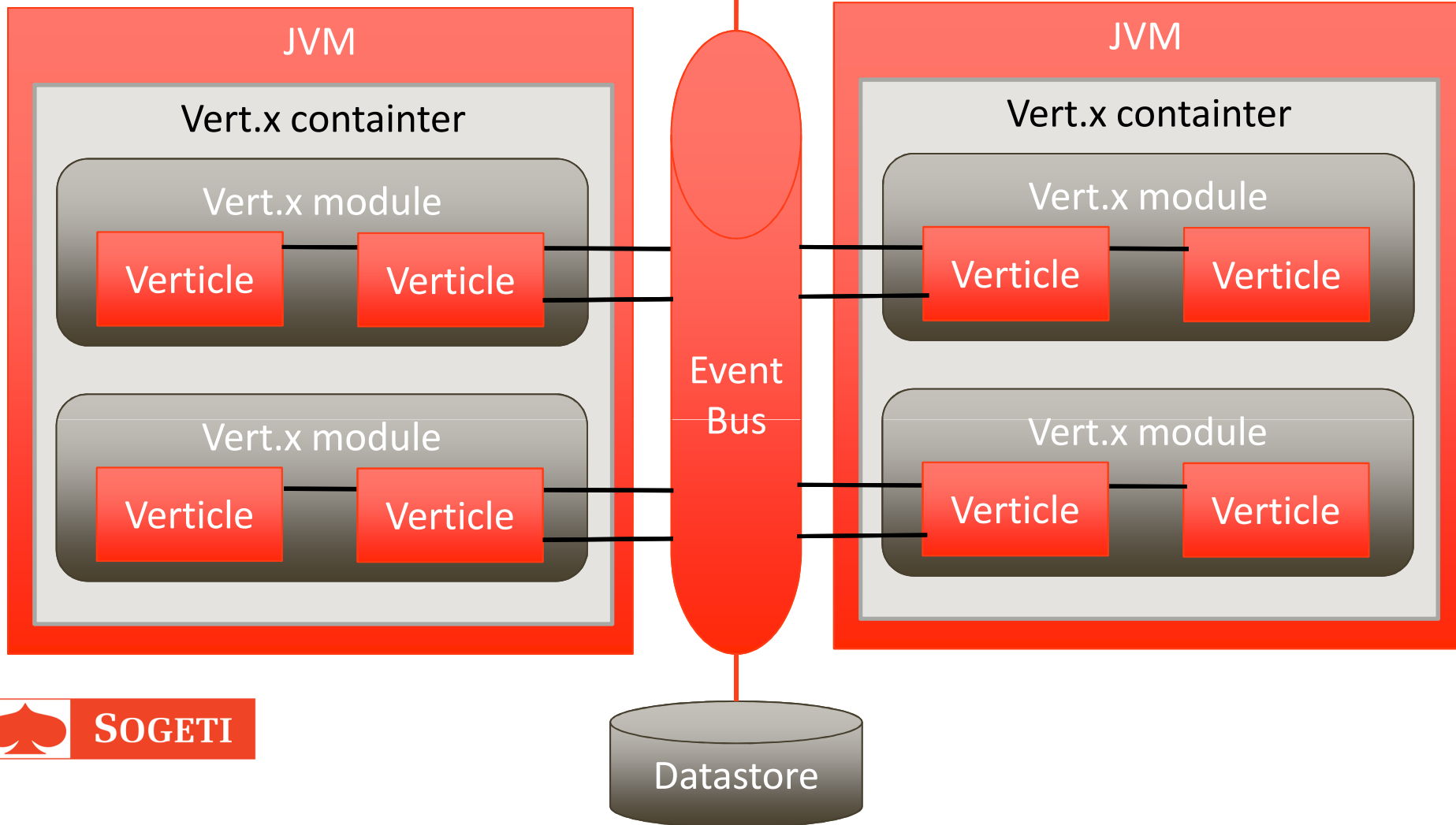
Eventbus



Vert.x

- Polyglot, running on JVM
- Asynchronous and synchronous
- Scalable
- Distributed eventbus

Vert.x

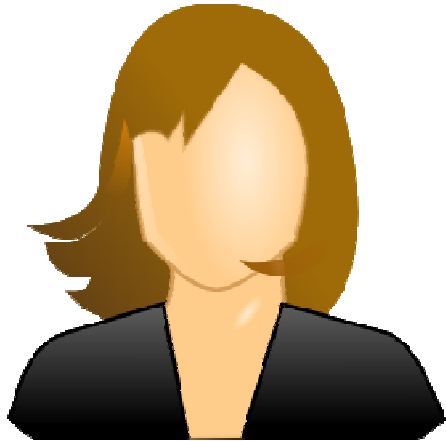


Userstories

- As a Student, I would like to apply for an assignment at Sogeti, so I can finish my studies in style.



Userstories



- As a student-coördinator, I would like to be notified of new applications, so I can reply quickly



What do we need?

- Maven
- Java SDK (JDK)
- IDE
- VertX
- MongoDB
- Archetype:

<https://github.com/erwindeg/vertx-mongo-angular-archetype>

Vertx 3

- Java 8 only
- Modules are now jars
- Clustered shared data
- New HTTP server
- Eventbus API improvements
- Core / Ext Stack
- MongoService

Openshift deployment

