

# Thesis update

Martin Štefanko

# About me

- EAP sustaining engineering
- student (computer systems) - last year
- programming enthusiast

# Thesis

*Use of Transactions within a Reactive  
Microservices Environment*

<https://issues.jboss.org/browse/JBTM-2920>

# Saga implementations exploring

- [Axon framework](#) - implemented
- [Eventuate.io](#) - implemented
  - new Saga API
- [Narayana LRA](#) - in progress
- blog post

# Sagas in Narayana

- basic outline
- reactive approach
- event based
  - distributed event log
  - eventual consistency
- detailed discussion during EAP F2F

# Resources

- <https://github.com/xstefank/thesis>
- <https://github.com/xstefank/axon-service>
- <https://github.com/xstefank/eventuate-service>
- <https://github.com/xstefank/lra-service>

# Questions

mstefank@redhat.com

 @xstefank

<http://bit.ly/2ADRVfd>