

OpenSPP

An Open Source
Session Peering Provisioning Protocol
SOAP Implementation

IETF 81 – Dean Willis

Mission and Status

- Validate protocol document and functionality
- Improve protocol if/where needed
- Provide a reference implementation of the protocol
- Project discussed IETF 80
- Kickoff May 23, 2011
- Two sprints completed
- 6 of 27 protocol operations demonstrable, much of rest “fill in the blank” code by IETF 81.

The Team

- Jean Francois Mulé, Product Owner/Sponsor
- Jeremy Barkan, Developer
- Mickael Marrache, Developer
- Samuel Melloul, Developer
- Vijay Joshi, Developer
- Dean Willis, Scrum Facilitator/Sysadmin

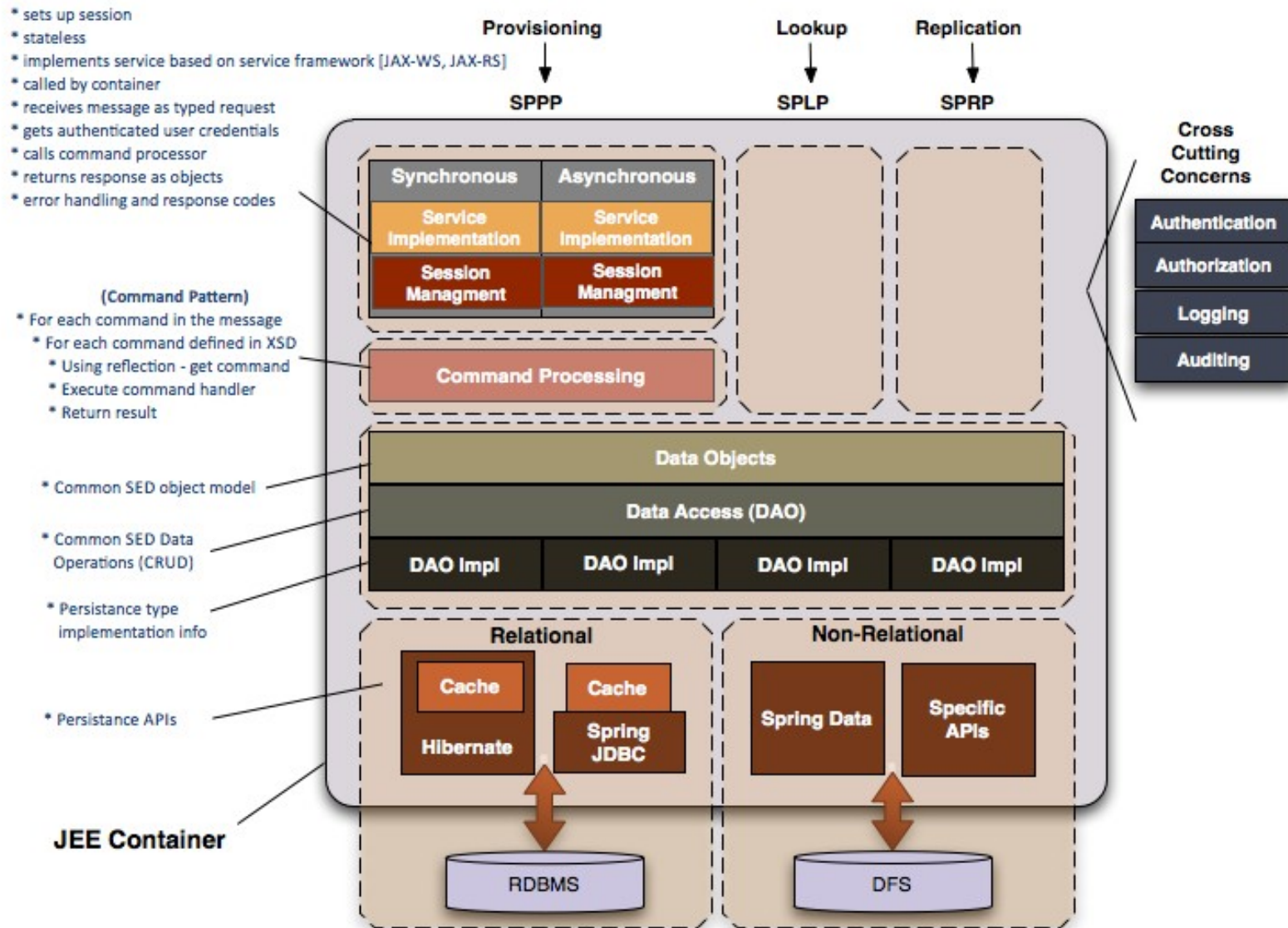
Lessons Learned So Far

- SPPP is mostly a “database problem”.
- Scrum is not a great methodology for a team in five time zones who also have day jobs.
- The toolchain we used is more complex and probably more brittle than a RESTful Python/Django model might be.

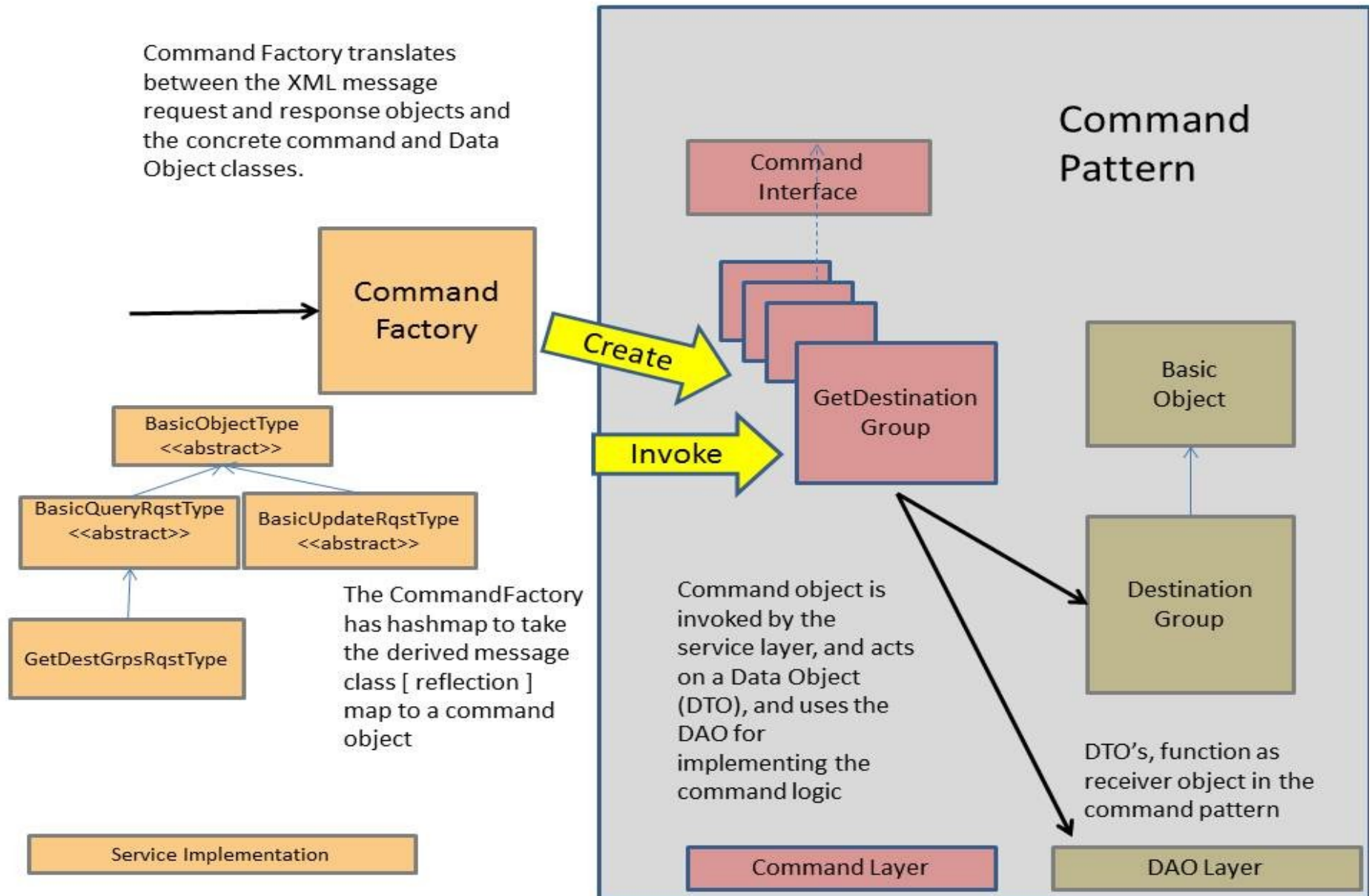
Tool Chain

- Development
 - Agile Scrum, sortof...
 - Java 6 EE
 - SOAP
 - Apache Tomcat
 - Spring JDBC
 - MySQL
 - SOAP UI for client simulation
- Sourceforge
 - openspp.org
 - SVN
 - MediaWiki
 - Tracker
- Amazon EC2 Test Server
 - openspp.softarmor.com

System Architecture



Command Processor



Schema

