

JBoss Community

Hands-On Java EE Web

JAX-RS 2.0, JSON-P, WebSocket

Agenda

- Look at what we have
- Expose REST endpoints
- Implement HTML5 view
 - Look at what we have
- Connect view to REST endpoints
- Add support for WebSocket updates

Application

- Simple chat application
 - Successful start-up
- Consumes JSON via REST
- Realtime updates

web-00: what we have?

- Standard Maven project structure
 - pom.xml
 - Java EE 7 dependency
 - webapp/
 - Template from designer
 - JavaScript sources prepared

web-01: REST endpoints

- Expose following endpoints:
 - GET /messages
 - POST /messages
- Produce / consume JSON
- MessageEndpoint JAX-RS endpoint
 - /api/v1/messages
 - 1. @ApplicationPath("api/v1")
 - 2. resource: @Path("messages")

web-02: HTML5 view

- Use Facelets for adopting a Bootstrap template from designer
- Store username input in a local storage

web-03: Connect view to REST

- Study prepared JavaScript
 - `rest.js`
 - `view.js`
- Use JavaScript to connect view to REST endpoints

web-04: WebSocket Updates

- Study prepared JavaScript
 - `socket.js`
- Implement Websocket endpoint
- Connect view to WebSocket endpoint