Camel / BPMS Integration Workshop

Public Sector Consulting Tech Day

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August 10, 2015

Required Software

- OpenJDK or Oracle JDK 1.7

- Apache Maven

- BPMS 6.1 + EAP 6.4 (Install instructions on slide 4)

- JBDS 8 + Tooling (Install instructions on slide 5)

redhat.

Configuration

- Update your settings.xml file (~/.m2/settings.xml) to match the example below:
  https://gist.github.com/kharyam/7370198df0f4c4239d40

- The above file contains the repositories required for BPMS and fuse

redhat.

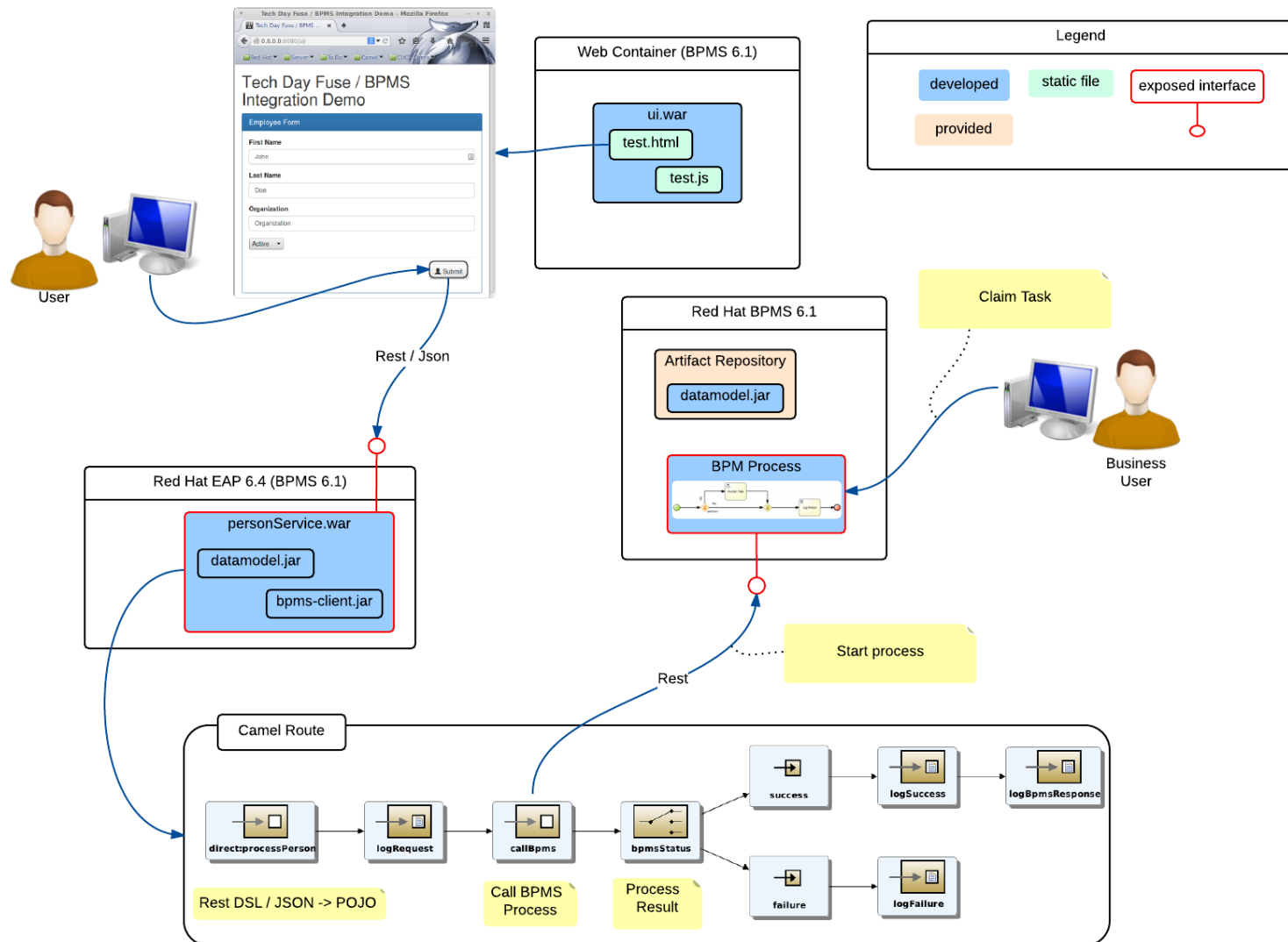# Installing BPMS 6.1

- Create a bpms-6.1 Directory
- Download EAP 6.4 into your bpms-6.1 directory and unzip it there
  - https://access.redhat.com/jbossnetwork/restricted/softwareDownload.html?softwareId=37393

- Download BPMS 6.1 into your bpms-6.1 directory and unzip it there. When prompted to replace files, select A for all
  - https://access.redhat.com/jbossnetwork/restricted/softwareDownload.html?softwareId=37673

- Create a bpmsAdmin User
  - Jboss-eap-6.4/bin/add-user.sh
  - Add an application user (option b) named bpmsAdmin belonging to the admin group

Installing JBDS

- Download and install JBDS 8.1.0
  - https://access.redhat.com/jbossnetwork/restricted/softwareDownload.html?softwareId=36763

- Enable the Fuse / BPMS tooling
  - On the JBoss Central screen, select the *Software/Update* tab at the bottom
  - Select *JBoss Integration and SOA Development* and click *Install/Update*. Follow the prompts, restart when asked
- Add the BPMS Server to JBDS:
  - Right click in the servers tab, *new → server*
  - Change the *Server name* to BPMS 6.1, select Next
  - Click the drop-down, select *Create new runtime (next page)* click next
  - Change the name to *BPMS 6.1 Runtime*
  - Click *Browse* and navigate to the bpms-6.1 directory, select the jboss-eap-6.4 directory and click ok
  - Click *Finish*
  - Right Click the BPMS 6.1 Server and click *start*
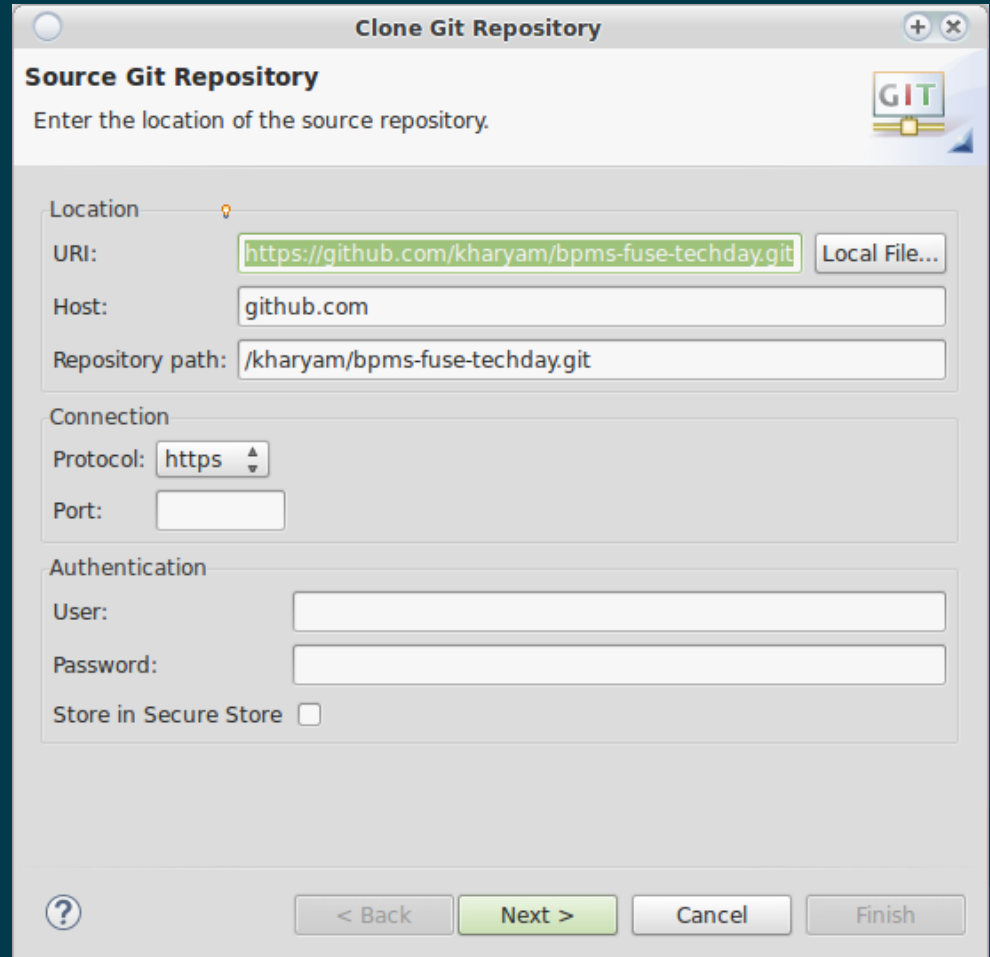
redhat.

Architecture

Workshop Materials

- In JBDS, select *Window → Open Perspective → Other → Git*

- Select *Clone a git repository*

- *Use the following URI:*
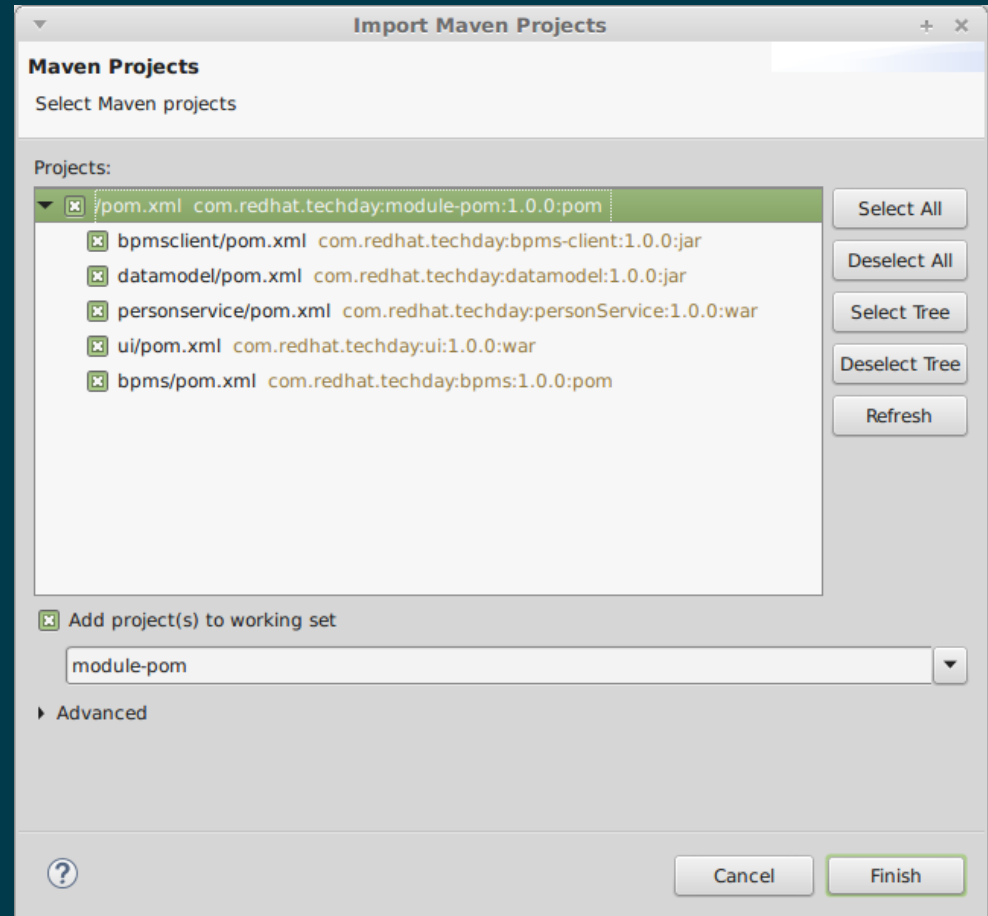
https://github.com/kharyam/bpms-fuse-techday.git

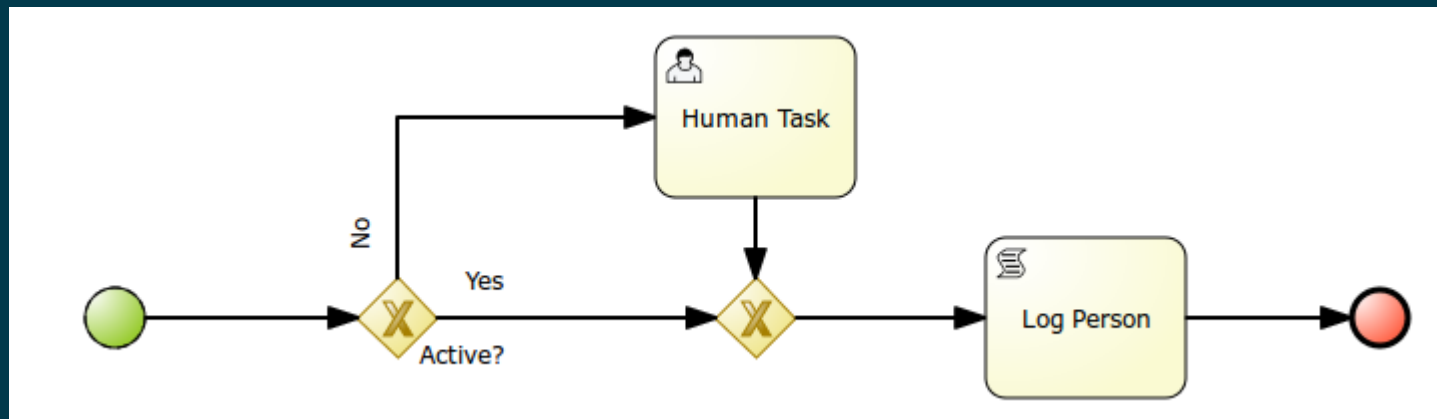- *Follow the prompts to clone the repo*

redhat.

Workshop Materials

- Right click *bpms-fuse-techday* and select *import maven projects* (last option in the menu)

- Click *Finish*

- Switch back to the jboss perspective. It will take some time for all the maven dependencies to be resolved

BPMS

- Navigate to http://localhost:8080/business-central and login as bpmsAdmin

- We are going to create the business process below:

- Follow the directions here:

  https://github.com/kharyam/bpms-fuse-techday/tree/master/bpms

Fuse (Camel on EAP)

- Datamodel Walkthrough
- Custom Camel Component Walkthrough
- Camel Route Walkthrough

- Complete the Camel Route following these directions:
  - https://github.com/kharyam/bpms-fuse-techday/tree/master/personservice

- Complete the UI Javascript code following these directions:
  - https://github.com/kharyam/bpms-fuse-techday/tree/master/ui

redhat.

Run the Complete Workshop

- In JBDS, right click the ui project and select Run As → Run on server
- In JBDS, right click the personService project and select Run As → Run on server
- Verify both projects start successfully
- Navigate to http://localhost:8080/ui fill in the form, set active to true
  - Verify there is logging from camel and bpms in the console
- Set active to false
  - In business central Tasks → Tasks List
  - There should be a Human Task that you can claim and complete. BPMS should log the person after the task is completed

redhat.

THANK YOU (Q&A)