



**JBoss ENTERPRISE**

# **SOA-P | EDS-P**

## **v5.3**

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# AGENDA

- SOA-P v5.3
  - News
  - Key changes
  - Misc topics
- EDS-P v5.3
  - What is?
  - Key changes

# SOA-P 5.3 News

- EAP 5.1.2
  - HornetQ
  - PicketLink (SAML)
- PostgreSQL 9 (9.1)
- Apache Camel Gateway full support
- Common Drools runtime with BRMS
- ESB Integration with jBPM5 (via BRMS)
- ESB Enhancements
- Tooling – JBDS 5; Split of “Core” and “Integration”
- Minor Documentation refactoring

# Key Changes

HornetQ support. Version 2.2.10.

➤ Installed separately, not enabled by default

- `$ cd SOA_ROOT/jboss-as/extras/hornetq`
- `$ ant`

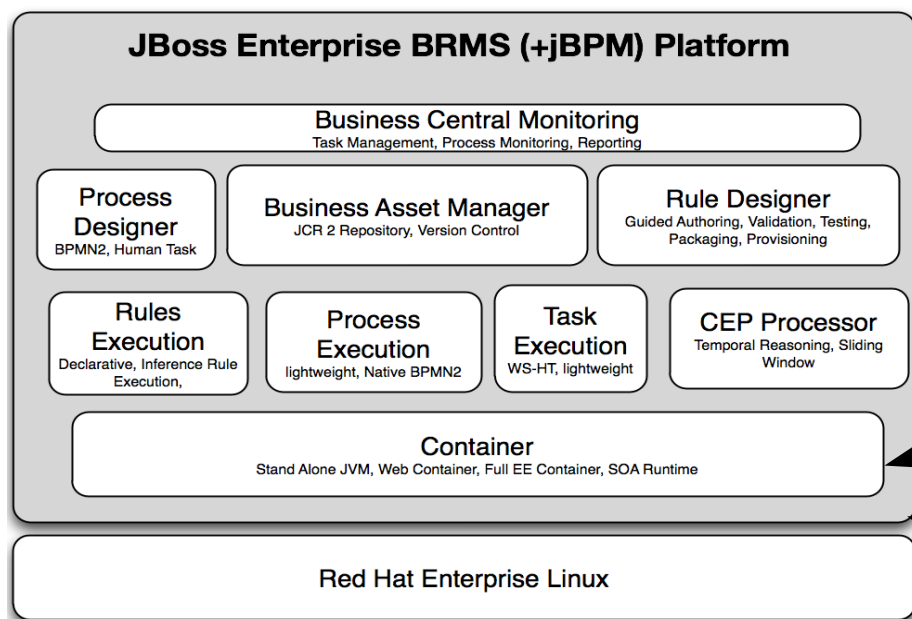
Red Hat Enterprise (MRG) Messaging Support

- Also included with JCA adapter distro

# Key Changes cont...

## JBPM 5 integration with ESB

- JBPM 3 (legacy) remains the workflow engine in SOA 5.3
- JBPM 5 (new) is delivered with BRMS 5.3
- Integration supported when both products installed together



Use BRMS Deployable distribution

Use SOA-P as deployment container

Plus jbpm5/ESB integration modules

# Key Changes cont...

## JBPM 5 integration with ESB

### ➤ New jBPM5Processor Action in ESB

- Invoke and Signal jBPM5 processes
  - Requires co-installation for dependencies
  - Requires integration modules (jbpm5.esb, impl JAR)

### ➤ How does BPM call ESB service?

- Still open item. Can be through gateway (web service). Investigating a tighter integration.

### ➤ Tooling limitations

- JBPM5Processor action is supported in esb.xml but not in the ESB editor.

# Key Changes cont...



## Camel Gateway – full support

- What is Camel – Enterprise Integration Patterns (EIP ) framework
- For SOA 5.3, Camel is positioned as extending the reach of SOA-P/ESB.
- Gateway based on Camel 2.4. Includes only Camel Core - not discrete components.
- Full support of Camel Gateway is **not** full support of all (or even any particular) Camel Components. The gateway supports **integration** with the ESB.

# Key Changes cont...

## ESB Enhancements

### ➤ RecordRoute

- Track history of message through a set of services
- ServiceRouteFilter configurable withing jbossesb-properties.xml
  - Service level: recordRoute="true"
  - Message level: "service-record-route" property set to "true"

### ➤ Dynamic MessageAwareListener thread pool config (pending)

- MessageAwareListener thread pool exposed through MBean

### ➤ JMS Message Priority (pending)

- Gateway ability to setJMSPriority

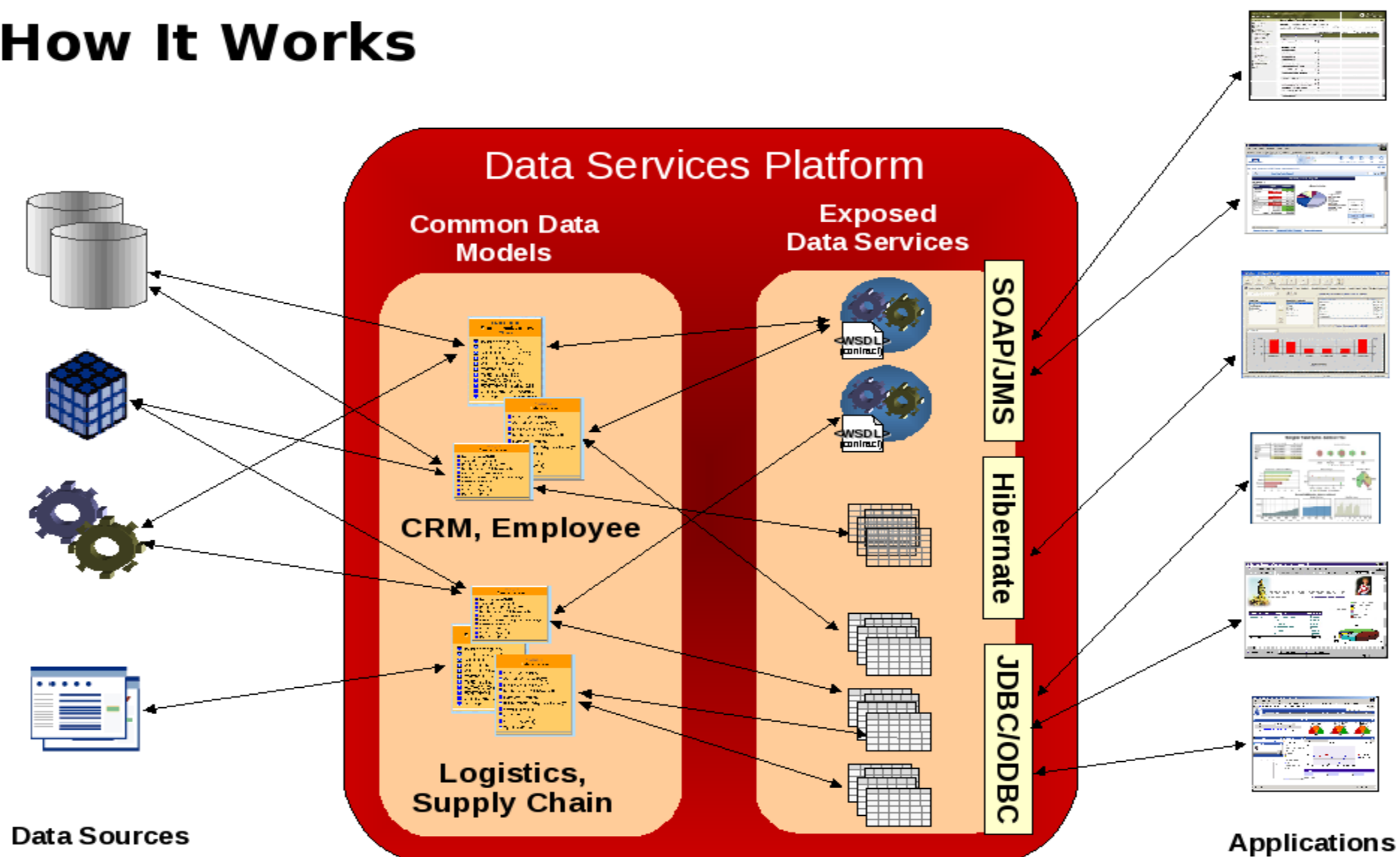


# Misc Topics

- Roll-up Patches
- 5.x Product Lifecycle
  - BRMS 5 EOL moves May 2014 --> May 2015
  - SOA/EDS 5 EOL moves Feb 2015 --> May 2015
- Java 1.7 Support

# EDS-P 5.3

## How It Works



# Key Changes

## ➤ Usability Improvements

- Action Guides View
- Cheat Sheets
- Project Status View

## ➤ XML Source Modeling

- XML local and remote files
  - REST import capability (initial SAP integration)
- Re-vamped WSDL importer (SOAP)
  - Handles complex schema
  - Single queryable procedure

# Key Changes cont...

## ➤ Excel Translator

- Dedicated translator for Excel for use with JDBC-ODBC driver

## ➤ Fixed width record support in TEXTTABLE

## ➤ Greenplum

- Popular data warehouse, open core, customer driven request
- Based on Postgres

## ➤ PostgreSQL 9.1

## ➤ JBoss Data Grid (pending, tech preview)

- TBD

# Key Changes cont...

## Apache HIVE

- Hive is a data warehouse system for Hadoop that facilitates easy data summarization, ad-hoc queries, and the analysis of large datasets stored in Hadoop compatible file systems.
- Hive provides a mechanism to project structure onto this data and query the data using a SQL-like language called HiveQL

# Key Changes cont...

## Hive Support in EDS: Tech Preview

- Translator only. No direct tooling support.
- Limited/nascent uptake in community.

# Key Changes cont...

## ➤ GSSAPI Support

- Enables single sign-on (SSO) support for Java apps
- JDBC and ODBC supported

## ➤ Memory Management enhancements

- MemoryBufferSpace controls buffer/cache memory
- Option to allocate memoryBufferSpace OFF heap
  - Suitable for large system RAM scenario

# Questions?

