



RED HAT JBOSS MIDDLEWARE

Portfolio Update – August 2013

Derek Howlett
Senior Solutions Architect
Red Hat, Inc.





JBoss Application Server gets a new name

- Red Hat JBoss Middleware
- Red Hat JBoss Enterprise Application Platform
- Red Hat JBoss Web Server
- Red Hat JBoss Data Grid
- Red Hat JBoss Developer Studio
- Red Hat JBoss Fuse Service Works
- Red Hat JBoss Portal
- Red Hat JBoss Data Services
- Red Hat JBoss Fuse
- Red Hat JBoss A-MQ
- Red Hat JBoss BRMS
- Red Hat JBoss Operations Network



Another Change

Download Red Hat JBoss Fuse
Our small footprint Enterprise Service Bus (ESB)



[Download the source](#)

Download JBoss BRMS
30-Day Evaluation



The screenshot shows the Red Hat JBoss Community website. The navigation bar includes 'JBoss Community', 'GET STARTED', 'GET INVOLVED', 'PROJECTS', 'PRODUCTS', 'Log In | Register', and a search box. The main heading is 'Red Hat JBoss Products' with the sub-heading 'How can Red Hat JBoss products help you?'. On the left, there is a sidebar with 'Learn more about:' and links for 'Application Platforms', 'Integration and BPM Products', 'Developer Tools', and 'Management'. Below that is a 'Migrate' section with a 'Get Started' button. The main content area features 'Application Platforms' with a sub-heading 'Red Hat® JBoss® Enterprise Application Platform' and a paragraph describing it. Below the paragraph are three buttons: 'Information', 'Download Now', and 'Forums'. Further down is another sub-heading 'Red Hat® JBoss® Web Server' and a paragraph describing it.



Red Hat JBoss Developer Program

- Allows enterprise developers to access
 - Enterprise **Binaries** of JBoss Platforms
 - Enterprise Developer **Forums**
 - Exclusive **Content** – webinars, quickstarts, and more
- **Free of charge!**
 - Sign up at <http://www.jboss.org>
- Focused on developers being as productive as possible at building new applications on Red Hat JBoss Middleware
 - Program intended for *development purposes only*.



Red Hat JBoss Enterprise Application Platform

Cloud-ready, market-leading enterprise platform for next-generation, highly transactional enterprise Java applications

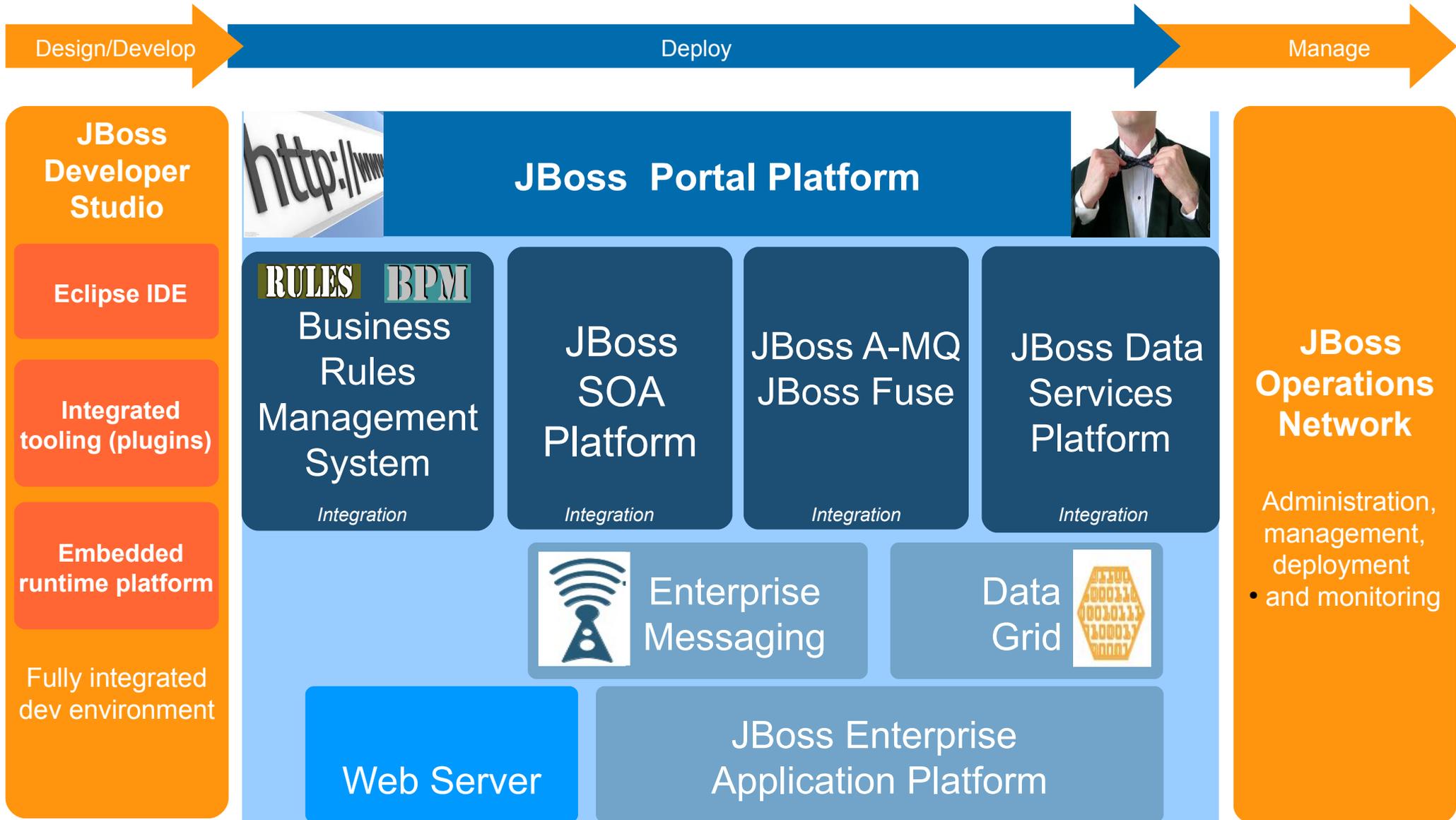
BLAZINGLY
FAST
Lightweight 



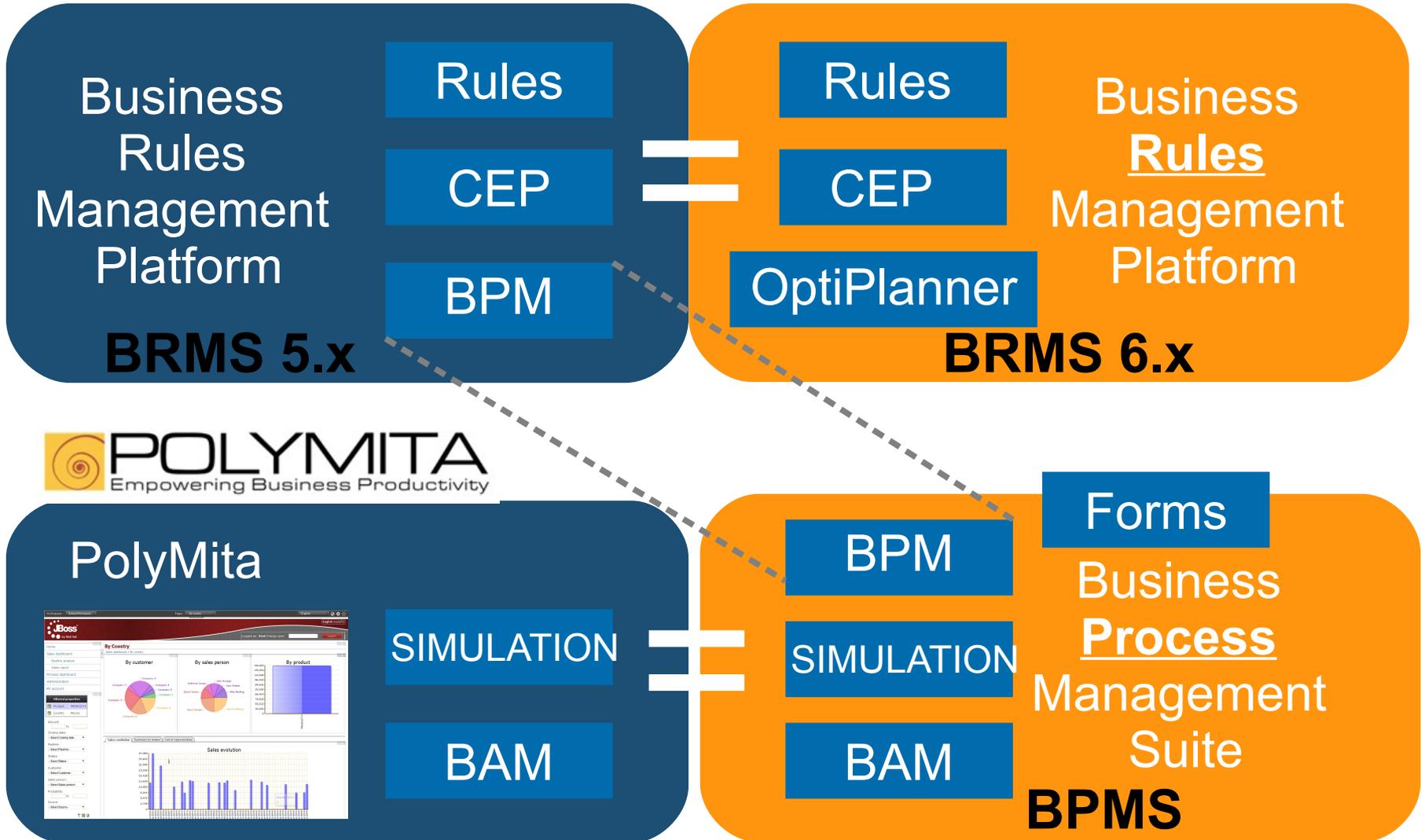
JBoss AS 7.1

- **Java EE 6.** JBoss AS 7.1 is a Java EE 6 application server and is **Java EE 6 Full Profile certified**. To quickly summarize, Java EE 6 has standardized modern programming techniques like dependency injection, annotations, POJO programming and REST programming, all of which reduces boilerplate code and XML configuration.
- **Fast Start-up.** Services are started in parallel and leverage multi-core processors, while non-critical services remain passive until first use. Subsequent start-ups use indexed metadata over full parses. These changes allow JBoss AS to start in less than 3 seconds.
- **Modular Core.** JBoss AS 7 uses JBoss Modules to hide server implementation classes from applications and to load only the classes the application needs. This provides application isolation and helps prevent class loading conflicts. Classes are also loaded concurrently for improved performance. OSGi support is available, built as a layer above JBoss Modules.
- **Low-memory Footprint.** JBoss AS 7 takes an aggressive approach to memory management to minimize garbage collector pauses. The modular core and the use of indexed metadata keep the memory footprint small, enabling it to run with stock JVM settings. Base memory usage for JBoss EAP 6 is ~15 Mb compared the traditional ~150 Mb, as shown in Red Hat's Ease into the Cloud presentation. Server profiles can be used to trim unneeded capabilities and further trim the memory requirements.
- **Better Administration.** Configuration in JBoss AS 7 is centralized and user-focused. The same configuration file can be used for multiple servers in domain mode, and supports rolling deployment within the domain. The configuration file is also based on a straightforward domain model with no internal wiring exposed. Besides direct XML editing, administrators have the option of using the enhanced web console, Java APIs, HTTP APIs, or the command line tool, for managing servers.

JBoss Middleware Stack



RULES + BPM



New UI Components in BPMS

'Lead Management' process details
Process dashboard > Selected process

Instances by status

By version

Users with tasks

Summary

- Total tasks: 35
- Total instances: 35
 - Completed: 3
 - Active: 2
 - Pending: 0
 - Suspended: 0
 - Aborted: 2

Filtered properties

Process: Lead Mana

Task:

User or group:

Status:

Start date:

End date:

Number of task instances | Tasks started by date | Tasks completed by date | Tasks duration

Process instances by status | Process initiated by date | Process completed by date | Process duration

Process	Total	Active	Completed	Pending	Suspended	Aborted
Lead Management	7	2	3	0	0	2
TOTAL	7	2	3	0	0	2

Shape Repository | Process Modelling | Simulation Results

Change Perspective: hiring

Properties (Task)

Name	Value
BackgroundColor	
BorderColor	
Documentation	
Font Color	
Font Size	
Is for Compensation	false
Multiple Instances	false
Name	HR Interview
Task Type	User
Extra	
Actors	
Assignments	name->{in_name,out_age->{age,out_mail->{mail,out...
Comment	Candidate: {name}
Content	
CreatedBy	
DataInputSet	GroupId: Object, Comment: Object, In_name: String
DataOutputSet	out_name: String, out_age: Integer, out_mail: String, out_sc...
GroupID	HR
Locale	
Notifications	
On Entry Action	
On Exit Actions	

Form data origin | Add fields by origin | Add fields by type | Form properties | Save

Properties (Address 2)

Field type: Long text

Field name: 970218688

Label: Address 2: English

Error message: English

Label css class: Label css style:

Help text: English

Style class: Css style:

HTML container:

Size:

Height:

Max length:

Required Disabled Read only

Formula:

Range value:

*Customer ID:

*Company Name:

*Last Name: *First Name:

*Address: Address 2:

*City: State:

ZIP: *Phone Number:

Fax Number: Mobile Number:

E-Mail:

Notes:

Process Modelling | Simulation Results

Human Task Simulation Results (Sign Contract)

Execution Times

Simulation Info

Process id: hiring

Process name: Hiring a Developer

Process version: 1

Simulation start: Mon, 10 Jun 2013 18:31:26

Simulation end: Wed, 12 Jun 2013 08:05:56

Num. of Executions: 10

Interval: 60 minutes

Simulation Graphs

- Process: Hiring a Developer (hiring)
- Activities:
 - Sign Contract (_D9B762FE-4900-4172-88C9-310C)
 - Create Proposal (_12483A04-3C57-414C-8D0D-5)
 - Tech Interview (_FAD9F8C55-C3B9-4F58-804B-3A)
 - HR Interview (_5988ACD3-11DC-421D-4C04-8A7)
 - Post New Hire (_B8394E33-C98D-4809-5063-53)
 - Send Proposal (_3D70559E-A579-4431-A465-218)
- Paths: Path 1 (Path1649789217)

Red Hat JBoss Fuse & Service Works

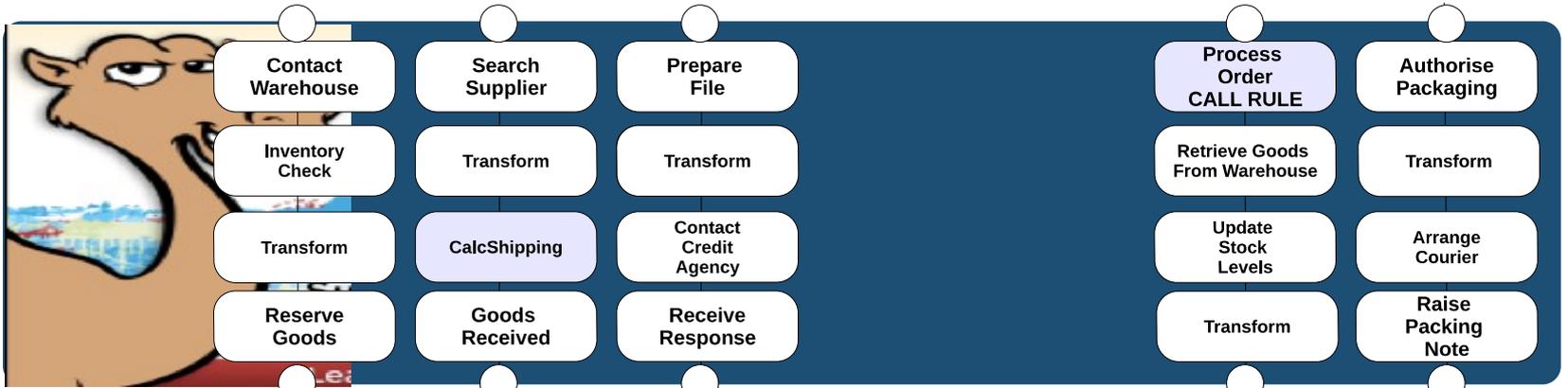


- Apache Camel
- Apache ActiveMQ
- OSGi
- ESB Tooling
- Enterprise Integration Patterns
- Switchyard ESB
- Registry/Repository
- Rules
- Complex Event Processing

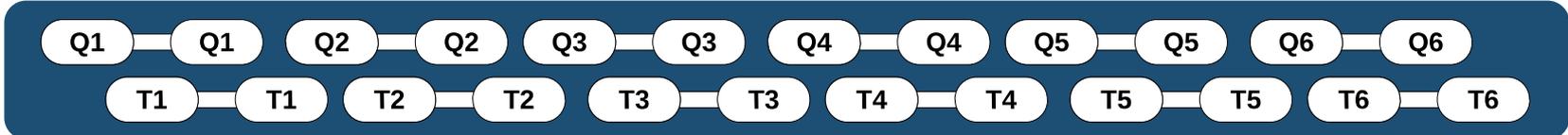


JBoss Fuse 6.x Platform Components

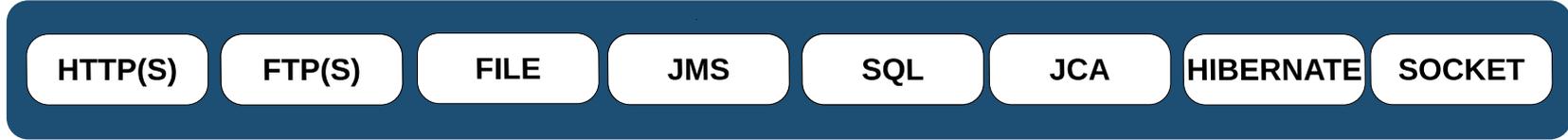
JBoss FUSE CAMEL ROUTES



JBoss A-MQ



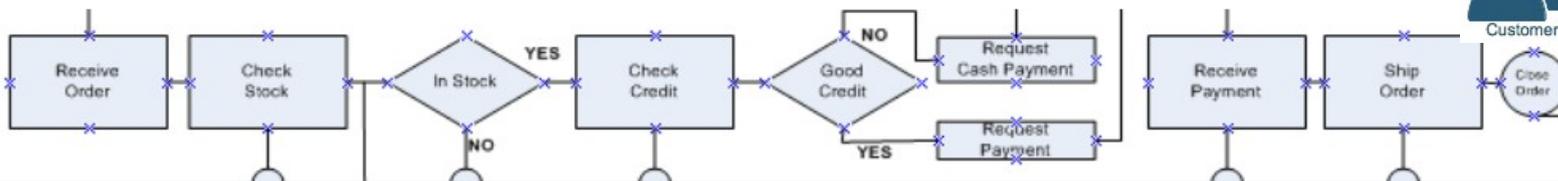
Components Adapters



JBoss Fuse Service Works



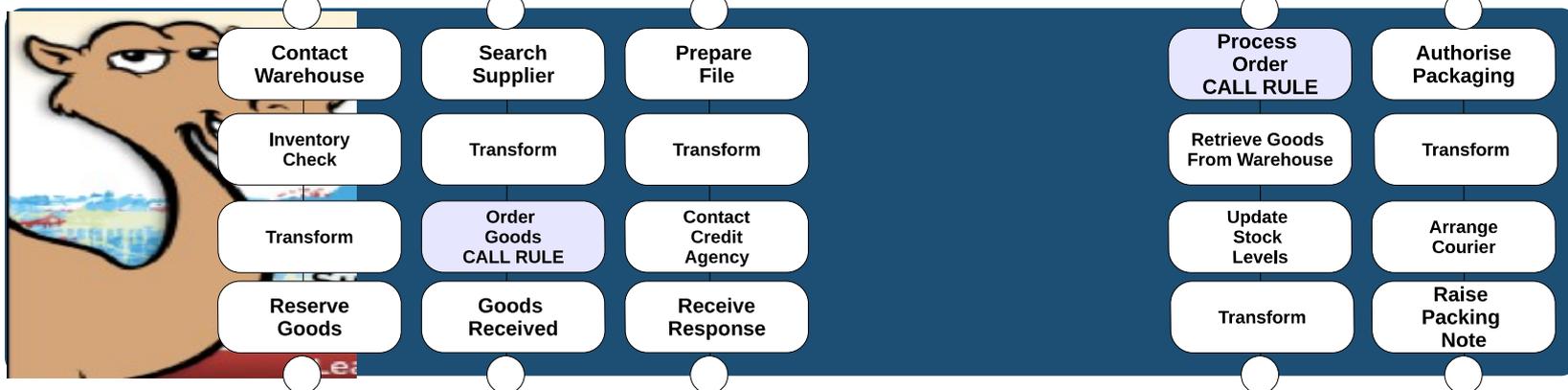
JBoss
JBPM



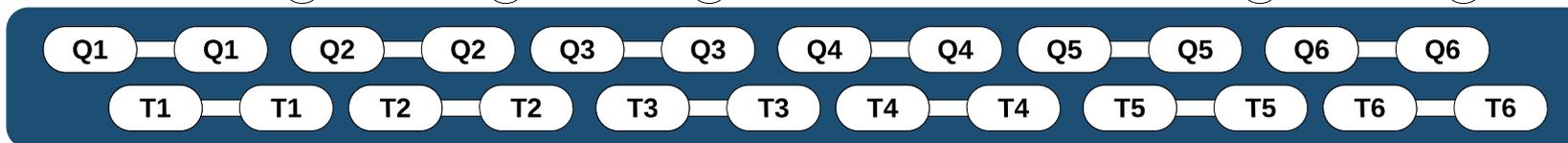
JBoss
Switchyard



JBoss
FUSE
CAMEL
ROUTES



JBoss
A-MQ



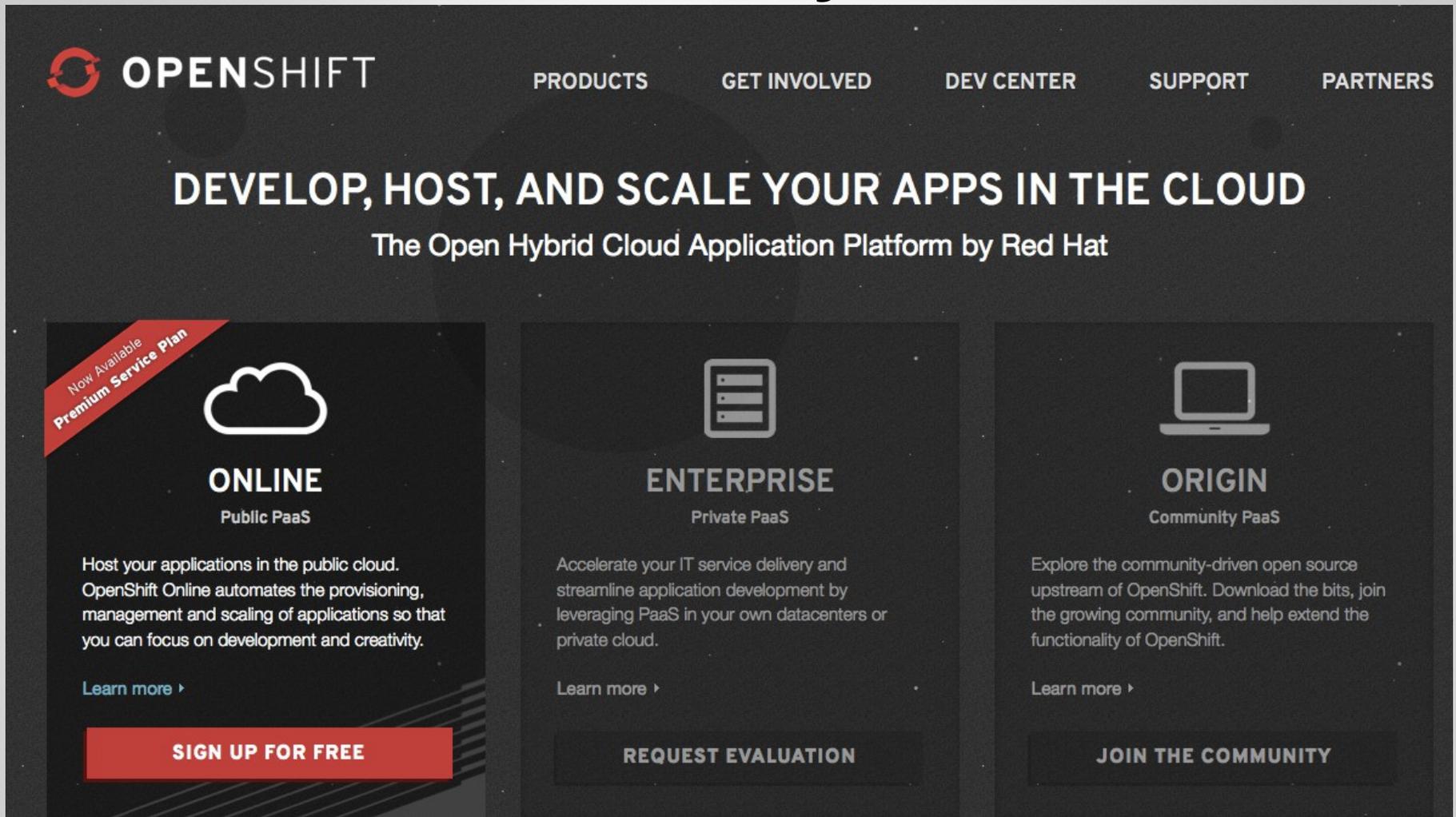
Components
Adapters



UDDI
Registry &
Repository



But don't take my word for it



The screenshot shows the OpenShift website homepage. At the top, the OpenShift logo is on the left, and navigation links for PRODUCTS, GET INVOLVED, DEV CENTER, SUPPORT, and PARTNERS are on the right. The main heading reads "DEVELOP, HOST, AND SCALE YOUR APPS IN THE CLOUD" with the subtitle "The Open Hybrid Cloud Application Platform by Red Hat". Below this, there are three columns representing different OpenShift services: ONLINE (Public PaaS), ENTERPRISE (Private PaaS), and ORIGIN (Community PaaS). Each column includes a description, a "Learn more" link, and a call-to-action button. The ONLINE column also features a red banner in the top-left corner that says "Now Available Premium Service Plan".

OPENSIFT PRODUCTS GET INVOLVED DEV CENTER SUPPORT PARTNERS

DEVELOP, HOST, AND SCALE YOUR APPS IN THE CLOUD

The Open Hybrid Cloud Application Platform by Red Hat

Now Available Premium Service Plan



ONLINE

Public PaaS

Host your applications in the public cloud. OpenShift Online automates the provisioning, management and scaling of applications so that you can focus on development and creativity.

[Learn more >](#)

SIGN UP FOR FREE



ENTERPRISE

Private PaaS

Accelerate your IT service delivery and streamline application development by leveraging PaaS in your own datacenters or private cloud.

[Learn more >](#)

REQUEST EVALUATION



ORIGIN

Community PaaS

Explore the community-driven open source upstream of OpenShift. Download the bits, join the growing community, and help extend the functionality of OpenShift.

[Learn more >](#)

JOIN THE COMMUNITY

Try it for free
openshift.redhat.com

Derek Howlett - derek@redhat.com





Red Hat JBoss Products

How can Red Hat JBoss products help you?