

INTEGRATE THE EXTENDED ENTERPRISE WITH RED HAT JBOSS FUSE

DATASHEET

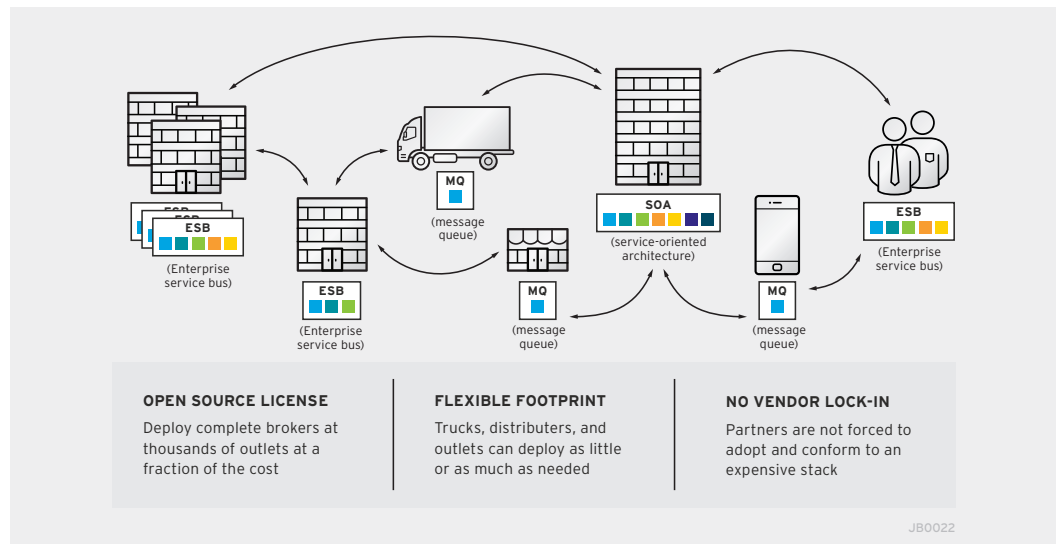
“We knew that our previous integration hub simply wouldn’t allow us to meet our goals. With Red Hat JBoss Fuse, we’re now well-equipped for the journey ahead.”

PATRICK JOHNSON
CHANGE LEADER, STRATEGY
DEPARTMENT, KING’S COLLEGE
HOSPITAL NHS FOUNDATION TRUST

Red Hat® JBoss® Fuse is an open source enterprise service bus (ESB) that reduces the pain of connecting disparate applications, services, and devices for comprehensive and efficient solutions. JBoss Fuse includes the popular and versatile Apache Camel project, an implementation of the most commonly-used enterprise integration patterns. With integration patterns and more than 150 connectors ready to use, JBoss Fuse supports integration across the extended enterprise—including applications and services on-premise, on mobile devices, or in the cloud. JBoss Fuse is complemented by Red Hat JBoss Developer Studio, for easier development of integration solutions, and Red Hat JBoss Operations Network, for monitoring of deployed solutions.

Red Hat JBoss Fuse for xPaaS extends the integration capabilities to Red Hat’s Platform-as-a-Service (PaaS) solution, OpenShift by Red Hat, and enables integrated solutions to be seamlessly designed, developed, deployed, and managed in the cloud.

INTEGRATE THE EXTENDED ENTERPRISE



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EVERYTHING IS CONNECTED

JBoss Fuse Features:	Benefits:
Near-universal connectivity	Ability to connect all enterprise assets for consistent, efficient, and automated solutions
Ease of development	Intuitive and faster development of integration services including visual debugging for better quality
API foundation	Ability to create application programming interfaces (APIs) or services that encapsulate complexity and ease collaboration with your suppliers, customers, and partners
Ease of adoption	Easy, fast integration of services and applications using enterprise integration patterns and a multitude of connectors with Apache Camel
Flexibility across an open hybrid cloud	Deployment and management across all major cloud environments, tooling for provisioning servers, and debugging and maintaining integration services
Cost-effective open source technology	Ability to try before you buy and deploy widely for much less than traditional software

INTEGRATE EVERYWHERE

The lightweight, modular, and flexible architecture of Red Hat JBoss Fuse enables integration at different end points like devices, shipping, store-fronts, warehouses, and traditional datacenters.

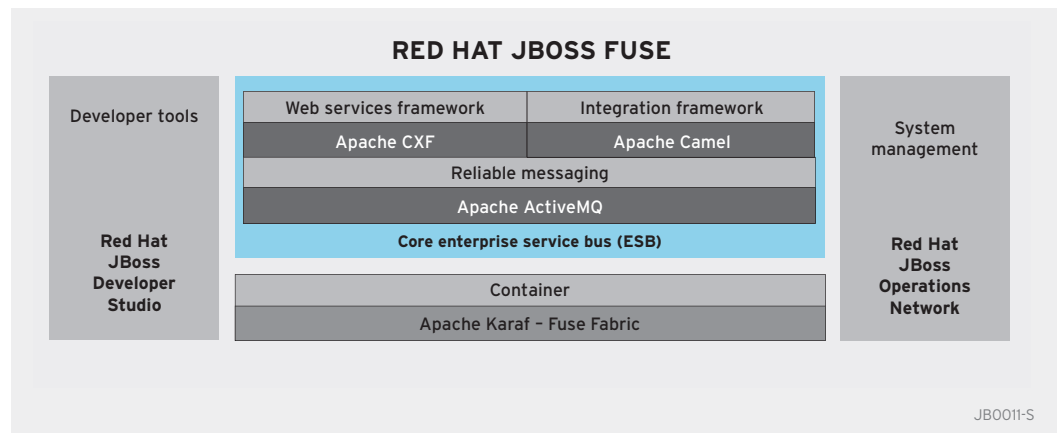
Red Hat JBoss xPaaS services for OpenShift enable middleware capabilities in the OpenShift PaaS solution for a unified experience across development, deployment, management, and monitoring. This results in greater flexibility and scalability.

With Red Hat JBoss Fuse for xPaaS, you get:

- **Rapid integration:** Seamlessly create integration solutions using pattern-based integration framework, ubiquitous connectivity, and alignment with DevOps and continuous integration practices.
- **Quick prototyping:** Prototype integration solutions without worrying about the environment. Develop quickly, test, learn, and innovate to get solutions to market faster.

RED HAT JBOSS FUSE COMPONENTS

Red Hat JBoss Fuse is a comprehensive integration platform that can be configured with any combination of components for a customized IT footprint.



The functional components of Red Hat JBoss Fuse include:

- **Containers:** The foundation of JBoss Fuse is a container. This layer is based on Apache Karaf and enhanced by Fuse Fabric, which simplifies the management of large numbers of distributed containers.
- **Integration framework:** A standard method of notation and a high-level, domain-specific language to go from diagram to implementation with minimal coding. This layer is based on Apache Camel and includes more than 150 connectors.
- **Web services framework:** Turn any application or system into a service for inclusion in your service-based architecture. Service enablement technology is based on Apache CXF.
- **Reliable messaging:** Red Hat JBoss A-MQ is a fast, standards-based message broker based on Apache ActiveMQ and easily extends your datacenter to the Internet of Things (IoT).
- **Development and tooling:** Red Hat JBoss Developer Studio, with Fuse IDE, supports JBoss Fuse with tooling to help you with development.
- **Management and monitoring:** Production environments are supported by Fabric Management Console for management and Red Hat JBoss Operations Network for monitoring of your Red Hat JBoss Middleware infrastructure.

INTEGRATING EVERYTHING, EVERYWHERE

Some integration challenges require comprehensive integration capabilities, while others need lightweight, easy-to-manage integration platforms with small footprints – and some require both. JBoss Fuse and JBoss Fuse for xPaaS can be deployed and easily managed in any configuration, so you can have a different configuration for every endpoint. Deploy a network of configurations across your infrastructure – on-premise, in the cloud, or in a hybrid configuration.

With this cost-effective, flexible, and cloud-ready integration platform, businesses can finally integrate everything, everywhere.

FROM APACHE PROJECT TO RED HAT PRODUCT

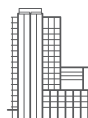
Red Hat starts with community distributions, integrates the projects, puts the resulting distributions through rigorous quality assurance processes, then packages them for IT organizations.

Red Hat products are backed by training and consulting services, to help you build your applications, and by enterprise-class subscriptions that include 24x7 support. This allows for a truly collaborative relationship with your technology vendor.

Red Hat employs many of the Apache Project Management Committee (PMC) chairs and members for these projects, and more than 25 active Apache committers. No other organization knows these projects better or has more input into the projects' direction. Years of enterprise experience combined with having an inside track at Apache makes Red Hat products, services, and support invaluable to any application integration project.

WANT TO LEARN MORE?

- **Download Red Hat JBoss Middleware products.** Install, run demos, and develop proof-of-concept projects. Eliminate risk by trying the software before you buy at access.redhat.com/downloads.
- **Learn how to make the most of Red Hat JBoss Middleware.** Peruse our resources and get up to speed fast. View webinars, tutorials, demos, and more at jboss.org/developer.
- **Get involved.** Open source software belongs to you. Blog, join a user group, contribute code, or test upcoming releases at jboss.org/contribute and [apache.org](https://jboss.org/apache).



ABOUT RED HAT

Red Hat is the world's leading provider of open source solutions, using a community-powered approach to provide reliable and high-performing cloud, virtualization, storage, Linux, and middleware technologies. Red Hat also offers award-winning support, training, and consulting services. Red Hat is an S&P company with more than 80 offices spanning the globe, empowering its customers' businesses.



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