



RED HAT® JBOSS®
MIDDLEWARE

Getting Started with Fuse 6.1



Overview of the Fuse Getting Started Series

This introduction has been setup to get you started as quickly as possible with the newest member of the JBoss Integration portfolio, JBoss Fuse. We have put together a three part video tour of the product, an example quick setup of the product and the installation of an existing project that is then deployed on JBoss Fuse.

Part I – JBoss Fuse Overview

This is a quick introduction to the JBoss Fuse product and highlights the components of the product. It sets the stage for the following two parts with an overview of the websocket demonstration project.

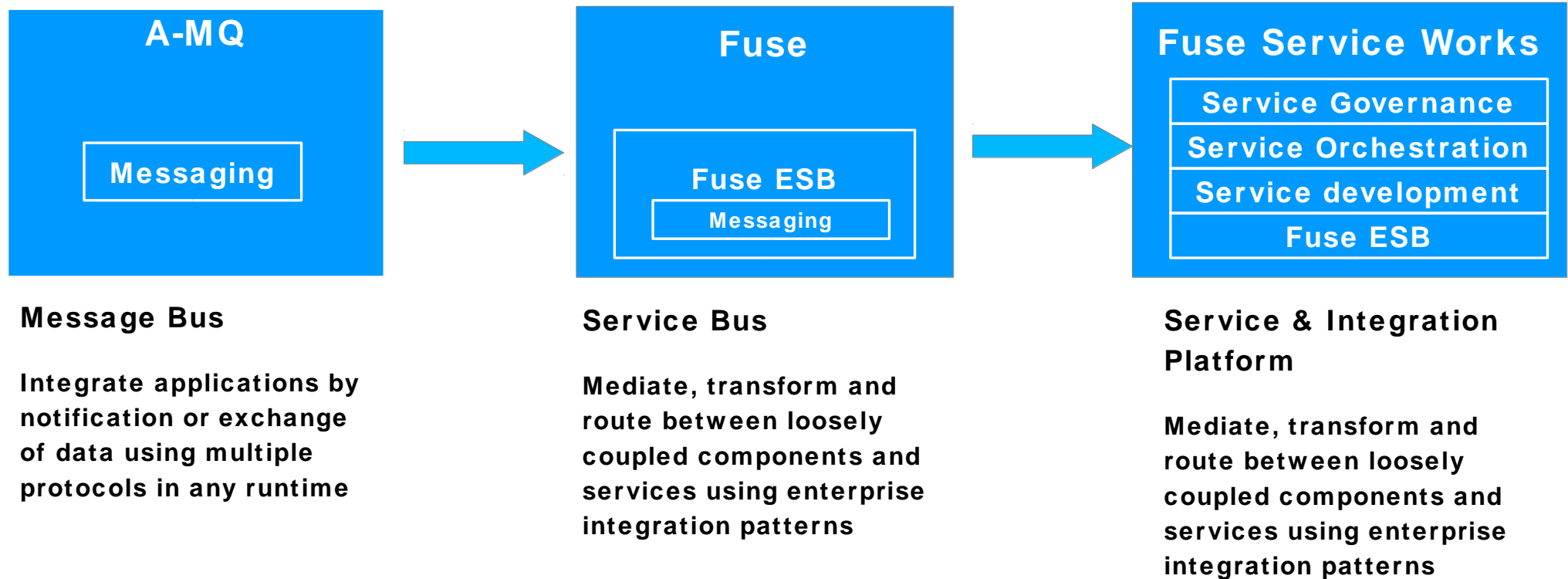
Part II – Setup JBoss Fuse

The product is installed and configured right before your very eyes in no time at all with a fully automated project setup script. The server setup is shown using the latest JBoss Developer Studio and you are ready to get going.

Part III – Run the Project

The demonstration is imported into the JBoss Developer Studio, we start the server, deploy our project and walk you through the websocket demonstration. All the code is available for your use and this demo is fully repeatable on your own machine.

Integration Product Line Comparison



Integration Product Line Comparison

Fuse

- Keyword: Enterprise Application Integration (EAI)
- Assist applications with Interoperability
- Integrate new and existing applications
- Distributed integration with a small footprint
- Components include ESB and Messaging

Fuse Service Works

- Keyword: Service-Oriented Architecture (SOA)
- Assist in service governance and management
- Application, cloud, mobile service development and deployment (SCA)
- Components include Service Platform, BPEL, Registry/Repository, ESB, Messaging, EAP

JBoss Fuse

An open source enterprise service bus

Enables **integration everywhere** for a real-time enterprise

RED HAT JBOSS FUSE

Developer tools

Red Hat
JBoss
Developer
Studio

Web services framework

Apache CXF

Integration framework

Apache Camel

Reliable messaging

Apache ActiveMQ

Core enterprise service bus (ESB)

Container

Apache Karaf - Fuse Fabric

System
management

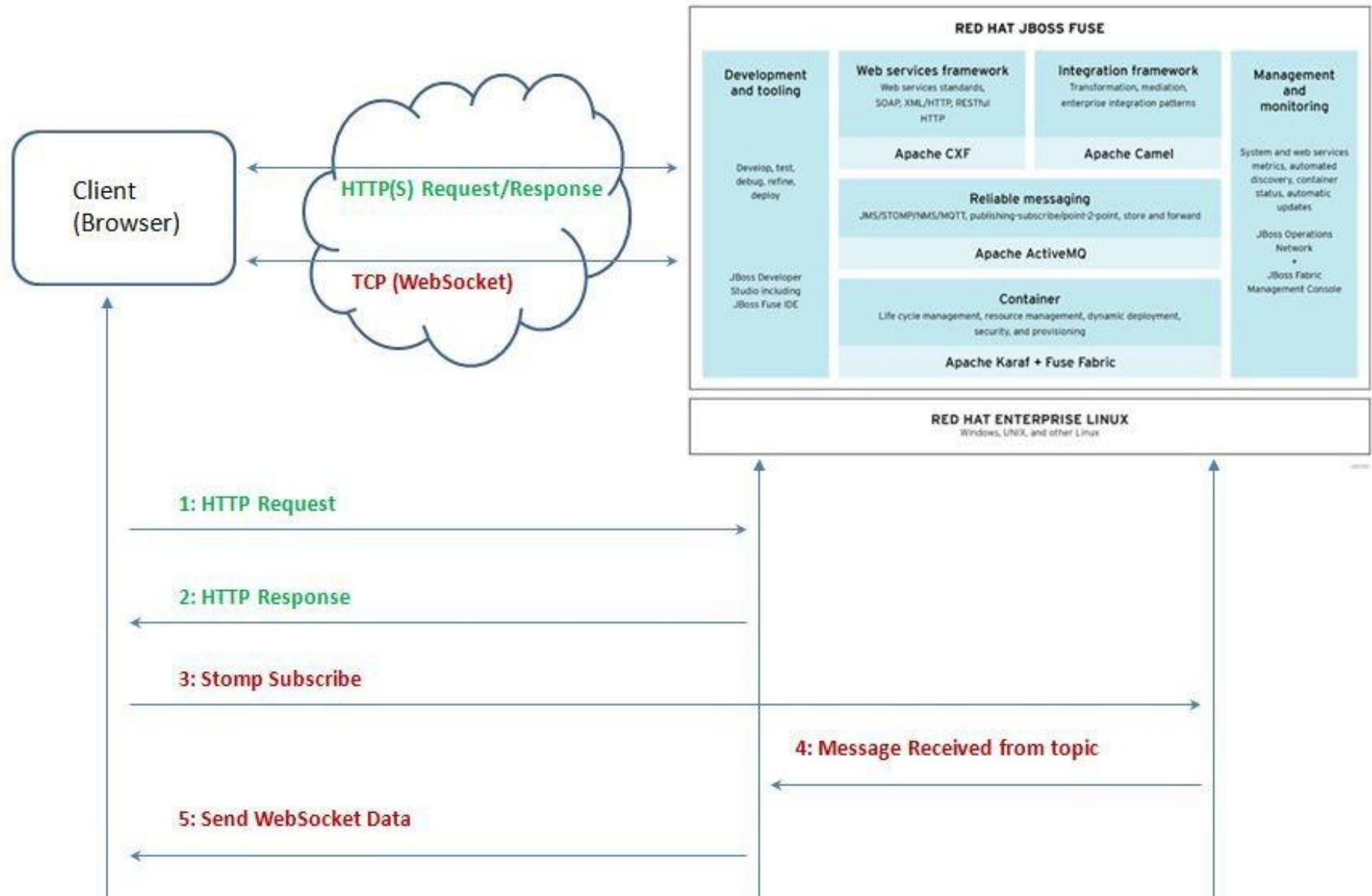
Red Hat
JBoss
Operations
Network

JB0011-S

What's new in Fuse 6.1

- 150+ connectors through Apache Camel and partnerships with SAP, GT Software, that provide extensive and open connectivity
- Full AMQP 1.0 support and support for MQTT spec enabled Internet-of-Things
- Unified management console
- Integration in cloud - OpenShift cartridge (preview only) which allows users to explore messaging and integration in a PaaS
- Improved HA with LevelDB (preview only) provided through shared-nothing message store

Demonstration Architecture



Products and Source

Products:

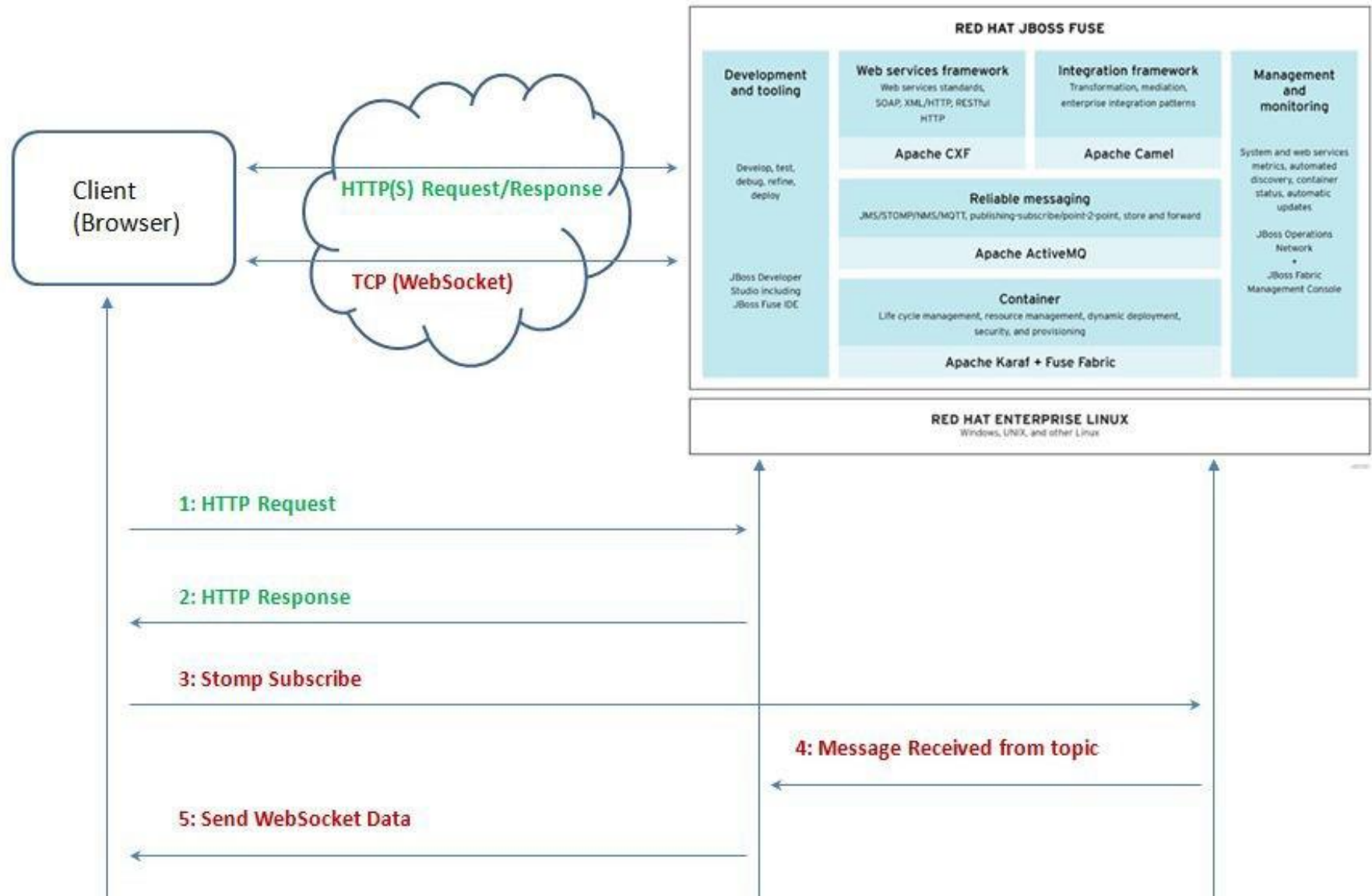
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- **Red Hat JBoss Developer Studio**

Github:

- **Fuse Websocket Demonstration**
<https://github.com/kpееples/jboss-fuse-websockets-demo>

PART 2: SETUP JBOSS FUSE 6.1

Demonstration Architecture



Products and Source

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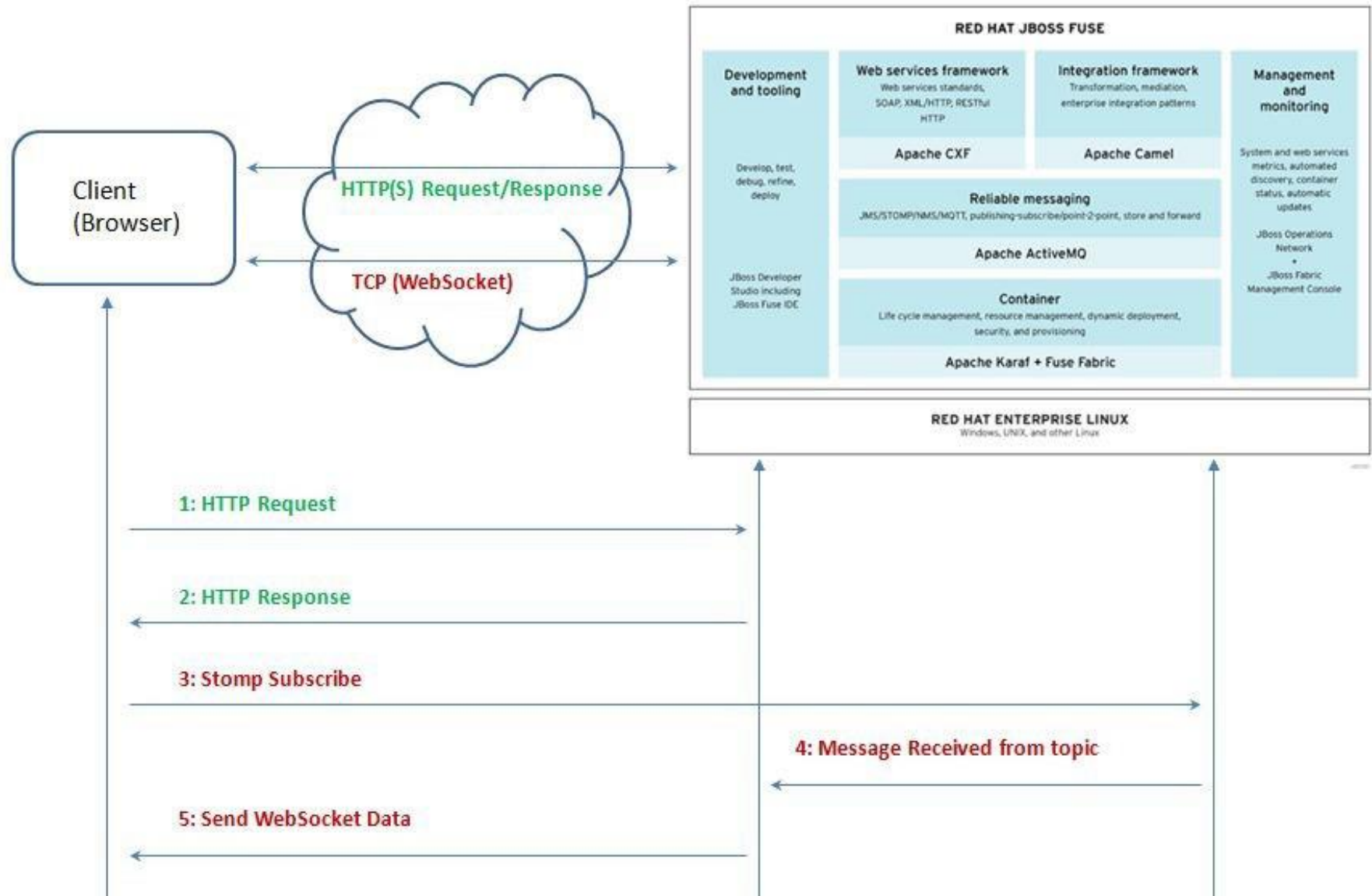
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PART 3: RUN THE PROJECT

Demonstration Architecture



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