

Red Hat Fuse – 7.x

A Distributed, Cloud-native Integration Platform

– Avadhut

Course Structure

● Part – 2 : Integration in Action

- Integration options
- History of Fuse
- What is Enterprise Integration patterns?
- What is OSGi?

● Part – 3 : Core Concepts

- Core Concepts (To be covered in subsequent slides)
- Fuse flavors/Offerings
- Fuse Eco-system
- Fuse Sub-systems
- Fuse Architecture
- Role of Spring Boot
- Role of Apache Camel
- Fuse Management
- Fuse Operations



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Red Hat Fuse Theory

Fundamentals



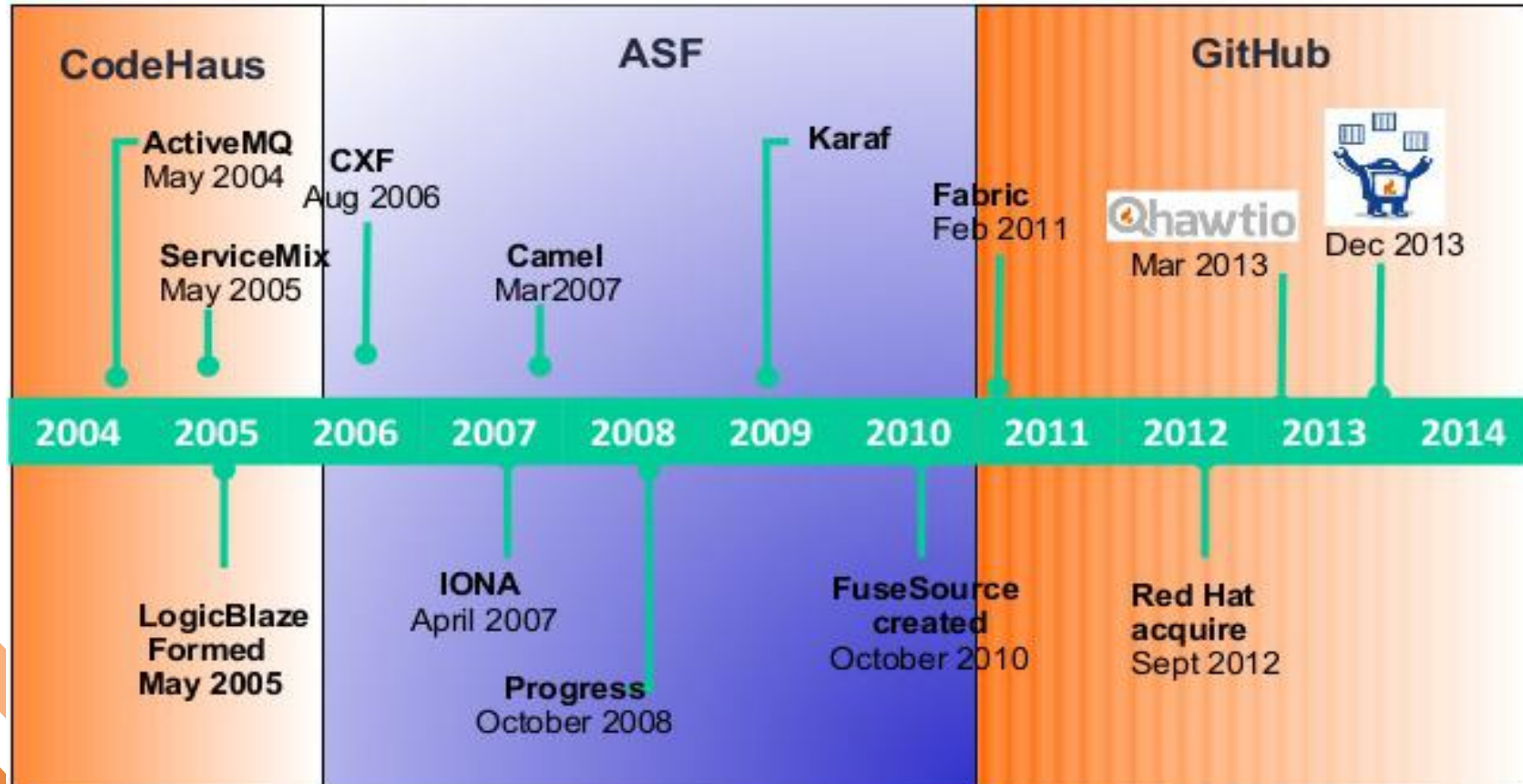
Integration Options

- Oracle Service Bus
- WSO2 ESB
- Mule ESB
- Talend ESB
- Azure Service Bus
- Tibco BW
- Dell Boomi
- Red Hat Fuse
- Webmethods Integration Server
- IBM Integration Bus/IBM ESB



History Of Fuse

History of Fuse open source Development



History Of Fuse

- In May, 2005, James Strachen and Hiram Chirino co-founded a software company named LogicBlaze Inc. and offered Fuse SOA
- In April, 2007, IONA Technologies, an Irish company acquired the LogicBlaze Inc. and got the ownership of SOA based Fuse.
- In September, 2008, Progress Software acquired IONA Technologies
- And made it subsidiary as FuseSource in October 2010
- and they renamed product as 'Fuse ESB'
- Red Hat announced its acquisition of FuseSource from Progress Software in Sept, 2012



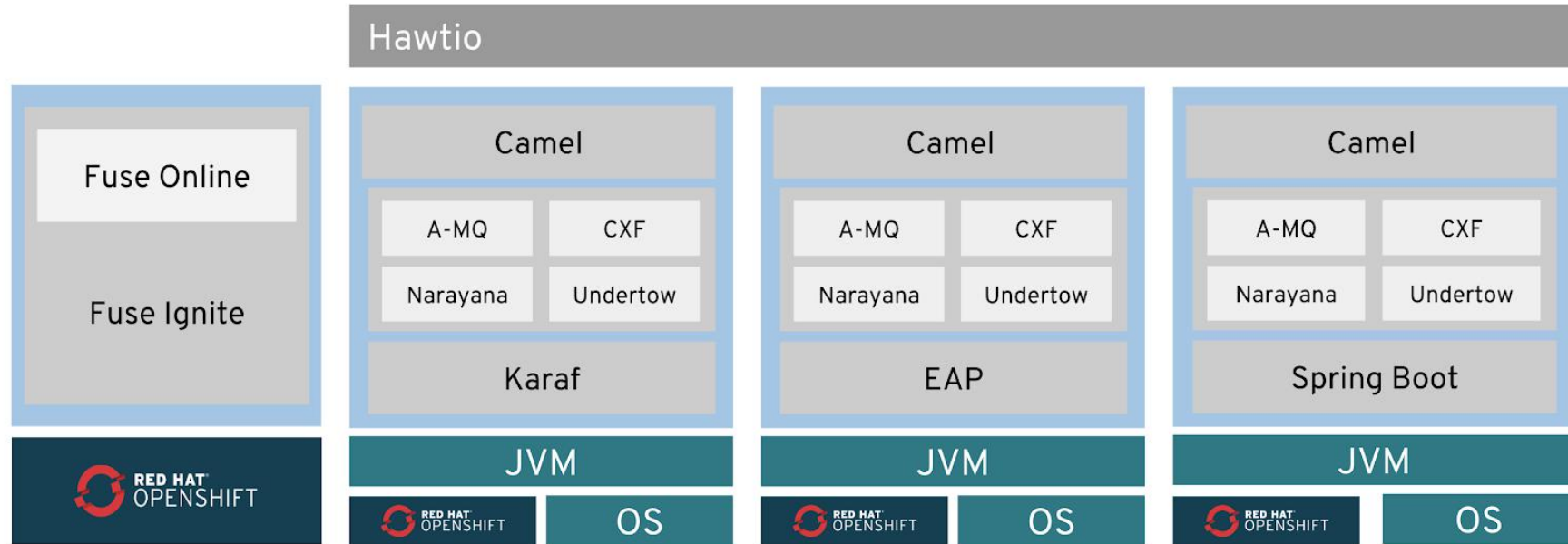
Evolution Of Fuse

	JBoss Fuse Service Works	JBoss Fuse
Run-Time Monitoring	JBoss Operations Network (JON)	
Cluster Deployment / Management	JBoss EAP (Domains)	Fuse Fabric
Service Orchestration	Riftsaw	
Run-Time Governance	Overlord	
Core Functionality	Apache Camel (JMS) HornetQ (REST) RESTEasy	
Design-Time Governance	Overlord	
Service Development, Deployment	Switchyard	
Container	JBoss EAP (Java EE)	Karaf (OSGi)

Evolution Of JBoss Fuse Service Works to JBoss Fuse



Evolution to Fuse-7



OSGi

OSGi to be covered in separate presentation if and only if development strategy is **fuse on karaf** ...

**** NOT APPLICABLE FOR FUSE ON OPENSHFIT**



Enterprise Integration Patterns



- **A design pattern is a general solution to a design problem that recurs repeatedly in many projects.**
- **A pattern describes the problem and its proposed solution and discuss any other important factors.**
- **EIP focuses on messaging patterns for enterprise application integration (EAI)**



Let's Revise

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Questions?

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Thank you..!!!

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