



JBoss Fuse

CASE STUDY
JBoss Fuse

DELIVERED TO
Sonata Software Ltd.



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Aurelius



JBoss Fuse Delivered to Client Sonata Software Ltd.

Client: Sonata Software Ltd.

Industry: IT, Business Intelligence & Analytics Services

Sonata is a global IT services organization that has been instrumental in providing a large number of IT services to its clients including business intelligence and analytic solutions, cloud computing, social media management, mobility and much more. Headquartered in bangalore the company was found in 1986 and has over 3000 employees in the their offices in US, Europe and Asia Pacific. The annual revenue generation marked by Sonata is in the domain of some 200 million US dollars. A number of subsidiaries are also under Sonata with its shares being publicly traded over the Indian Stock Exchanges. The total revenue generated by Sonata in FY 2011-2012 was in the range of USD 218.90 million dollars and the company has been assessed at SEI CMMI Ver1.2 Level 2 certified. They have their development centers in Bangalore and Hyderabad.

Technology: JBoss Fuse

Domain: Application Integration

Jboss is essentially an application integration platform which is completely open source and is based on Apache ServiceMix. The tool has a service-oriented architecture and provides standardized methodologies, servers and tools for



integrating the application components. Earlier known as Fuse ESB, the tool is available for download at the Jboss Developer website and also the Red Hat Customer Portal. The tool supports JBI and OSGi for the use in enterprise IT organizations and is essentially a pluggable architecture which allows the organizations to use the preferred software services in a service-oriented architecture. Jboss Fuse can be used to Penelope any standard JBI or OSGi compliant service engine or binding component and can include BPEL, XSLT or JMX engines. Jboss Fuse components can even be deployed to the other ESBs.

Challenges Faced By the Client:

Sonata Software is a one of the leading IT services provider in the industry providing a number of high end integrated solutions to their client. With the increasing complexity of demands in terms of application integration from their client's end, the company now required a complete solution which can help them perform application integration with ease. Jboss Fuse being the leading tool of application integration required knowledge and information for implementation. Currently, the company did not have any internal and external sources which can provide them with the requisite capabilities. The company also had very specific requirements that they needed in the particular technology tool of Jboss Fuse as per their client base and the services they provide.

Another challenge the organization was facing was that in order to effectively include Jboss in their operations and work model they did not want to rely on any external third party agent but have their own workforce proficient in it. This required not just theoretical knowledge and information in the domain but also hands-on practical skills which can only be gained through hands-on sessions. Moreover, the organization did not have a lot of time and buffer duration to allow their workforce to spend on the training period, so the entire knowledge inculcation process had to be fit in a mere 3 days which was probably the biggest challenge. They needed their professionals industry ready as soon as the training period was over and ready to deliver their business. The professionals who were



to be provided with the knowledge was also a complete mix of senior managers, developers and freshers. Hence, the knowledge delivery had to happen from scratch and reach the most advanced level in a mere 3 days. Certain additional topics were also required to be covered along with comprehensive hands on sessions and practical lab sessions to make the participants thorough with the particular fine details and troubleshooting practices of the tool.

Why Aurelius

With the implementation and integration of Jboss Fuse becoming essential in the domain of application management for Sonata Software, Aurelius was asked to develop a comprehensive and complete consultative insourcing solution which can be used to enable and empower the workforce of the company thus allowing them to perform and execute their businesses in a much better manner. Aurelius was able to provide the solution as per the exact needs and requirements of the client through a subject matter expert who has global experience of the industry working with Jboss Fuse. The SME was selected through a wide spread global search of the industry and multiple screening processes with data exchange between the client and the dedicated teams of Aurelius.

The client had multiple essential requirements such as integrating technologies of ESB, Camel, Apache CXF and other related technologies. Aurelius made sure that the concepts are taught from scratch from the very basics and even covered a number of additional topics such as Jboss Drools along with documentations on questions and assignments along with a number hands on sessions to test the knowledge of the participants. The following were the main topics provided in the solution:



1. Jboss Fuse: The knowledge solution delivery in this segment ranged from everything basic fundamental architecture to Logging and security
2. Apache Camel: The knowledge solution delivery in this segment included high level description, simple applications to deployment of the bundle into Jboss Fuse
3. Apache Active MQ: This particular segment of solution included Active MQ description, Durable Messaging, configuration and administration
4. Web Service Deployment and Integration: This advanced section included the knowledge of SoAP, RESTful Web services, CXF introduction to implementation of RESTful Web Service
5. Jboss Drools: In this segment the SME dealt with Rules description and Rules based engine
6. Jboss Fuse Clustering: This segment included the advanced topics of Fuse Fabric, Fabric Setup to un-deployment of the bundles.

With Aurelius, Sonata Software was provided onshore and offshore support along with the benefit of a highly comprehensive and in-depth knowledge base inculcated over the years by Aurelius. Aurelius makes sure that the client's has all its requirements and needs fulfilled by analyzing the data provided by the company and understanding the end goals and the probable client base of the company.



Solution and Post Solutions Benefits

Post solution, The company has been able to perform application integration with high efficiency and effectiveness. They have been responsible for developing some very complex integrations of applications which have helped them improve their operational practices. Moreover, their revenues have increased multiple times by employing application integration through Jboss Fuse. They were able to attain break even on the investment on the solution within a few weeks of the solution completion and since then they have been able to attain more than 43 percent in revenue increment which is entirely perennial in nature since any dependency on external outsourcing agencies is eliminated.

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