






Developer Training by HYTE Technologies

Hands-On, Exercise Driven Course Designed For Developers

This is a five day, hands-on workshop designed to assist developers who are beginning work within Camel. Developers will learn the most common scenarios used within Enterprise Application development. Students will learn the skills required to develop Service Oriented Architecture and Event Driven Architecture solutions. Developers will build complete SOAP & REST services, as well as persist data into a database and develop advanced projects leveraging Event Driven Architecture with the ActiveMQ Enterprise Messaging System. This course is taught on-site by a senior developer with proven training experience.

Day 1	Day 2	Day 3	Day 4	Day 5
				
Core Camel	Core Camel	Web Service Development	Persistence	Messaging
<p>Overview of Enterprise Integration Patterns (EIP)</p> <p>Installation</p> <p>Configuration</p> <p>Architecture</p> <p>Simple Route Development</p> <p>Component Review</p> <p>DSL Options</p> <p>Data Transformation</p> <p>Error and Exception Handling</p> <p>Unit Testing</p> <p>Construction of Camel-based Routes</p> <ul style="list-style-type: none">- File Move- Data Transformation- Property Overrides	<p>Construction of Camel-based EIPs</p> <ul style="list-style-type: none">- Content Based Router- Message Filter- Splitter- Aggregator- Wire Tap- Recipient List	<p>Introduction to Web Services</p> <p>Comparison of SOAP Web Services and ReSTful Web Services</p> <p>JAXB Data Modeling</p> <p>Construction of Web Services with JAX-WS and JAX-RS</p> <p>Introduction to CXF</p> <p>CXF Service in Karaf</p> <p>Construction of CXF-based SOAP Web Services</p> <p>Construction of CXF-based ReSTful Web Services</p>	<p>History of Object-Relation Mapping (ORM)</p> <p>History of Apache JPA</p> <p>JPA Service in Karaf</p> <p>Construction of JPA-based Project</p> <ul style="list-style-type: none">- Basic Project Layout- JPA Configuration- JPA Java Class Annotations- Database Drivers- JPA Entity Manager- JPA Subclasses and Child Data- JPA Transactions	<p>Overview of Enterprise Messaging</p> <p>Introduction to HYTE MQ / Apache ActiveMQ</p> <p>Messaging Concepts and Patterns</p> <p>Point-to-Point and Publish/Subscribe Messaging Models</p> <p>Inter-Broker Messaging</p> <p>Error Handling</p> <p>Lightweight JMS Transactions</p> <p>ActiveMQ Virtual Topics</p> <p>ActiveMQ Composite Destinations</p>