# Active MQ Training Plan

* **Introduction to Messaging** 
  + What is messaging
  + What problems does Messaging solve
  + What types of Messaging systems exist
* **Getting Started with ActiveMQ** 
  + What is ActiveMQ
  + How is ActiveMQ used in the enterprise
  + Downloading and Installing ActiveMQ
  + Standard administration: start / test/ monitor / stop
  + Basic configuration concepts
* **Understanding ActiveMQ** 
  + Architecture
  + Relation to Java and other technologies
  + Key concepts
  + Brokers, Transports, and Topologies
* **Developing a Basic Solution** 
  + Choosing a Topic or a Queue
  + Creating a consumer
  + Creating a producer
  + Running the solution
* **Configuration** 
  + Required libraries
  + Optional libraries
  + Configuring Brokers
  + Configuring Transports
  + Working with an embedded broker
* **Working with ActiveMQ Features** 
  + Clustering support
  + JMX
  + JMS to JMS Bridge
  + Persistence support
  + Security
* **Integration with other Technologies** 
  + C++ / C# / .NET / Java / Python
  + Ajax and Web Services
  + Frameworks, like Spring
* **Performance Tuning** 
  + Performance Tuning concepts
  + JVM Performance Tuning
  + Async publishing
  + Defining pre-fetch sizes
  + Other tunings