

# Using ActiveMQ with EJB3 (JBoss Example)

I've seen numerous postings regarding ActiveMQ with EJB3, and variations of a datasource XML file for use with JBoss integration.

However, they don't quite work. Here is what worked for me, it is actually quite simple:

1. Don't use any datasource file - only the RA file is required. Put it in the `deploy` directory. The file is called activemq-rar-4.1.1.rar and it is in the ActiveMQ distribution (lib/optional/)
2. In JBoss, the `@ResourceAdapter` annotation must be placed on the Message Driven Bean (MDB). This may vary for other application servers.
3. Examples I've seen elsewhere show an `activationConfig` with `destination=<a JNDI name for the queue>`. This doesn't work. Put the ActiveMQ destination name in the `activationConfig`. There is no need to put the queue in the JNDI.

Here is a working example - for EJB3 on JBoss, no XML descriptors are needed, just the RA file and the MDB.

```
import org.jboss.annotation.ejb.ResourceAdapter;
@MessageDriven(activationConfig =
{
  @ActivationConfigProperty(propertyName="destinationType", propertyValue="javax.jms.Queue"),
  @ActivationConfigProperty(propertyName="destination", propertyValue="FOO.TEST"),
  @ActivationConfigProperty(propertyName="acknowledgeMode", propertyValue="Auto-acknowledge")
})
@ResourceAdapter("activemq-rar-4.1.1.rar")
public class TestBean implements MessageListener {

public TestBean() {
}

public void onMessage(Message message) {
}

}
```