

Using ActiveMQ wizard

← JMS Resources deployment with deploy tool

→ Configuring JMS resources

In this article, we will demonstrate how to configure a JMS resource group and how to uninstall it using Geronimo Administrator Console.

Create a new JMS resource group

Create a JMS resource group means to deploy a module connector on Geronimo, which includes at least 2 resource adapters, a connection factory and a destination.

Select **For ActiveMQ** setup wizard from the [Configuring JMS resources](#) JMS Resource listing screen. The properties are shown in the setup page along with default values and an explanation of each property.

JMS Resources

JMS Resource Group -- Configure Server Connection

The settings on this screen are different for each JMS provider, but they generally configure connectivity to the JMS server. Connection factories or destinations you create in the next step typically use these settings to communicate with the server.

Resource Group Name:

A unique name for the resource adapter; used to generate the configuration name for this resource group as well as to connect Message-Driven Beans to the JMS server using the settings on this page.

Basic Configuration Settings.

ServerUrl:

The URL to the ActiveMQ server that you want this connection to connect to. If using an embedded broker, this value should be 'vm://localhost'.

UserName:

The default user name that will be used to establish connections to the ActiveMQ server.

Password:

The default password that will be used to log the default user into the ActiveMQ server.

Clientid:

The client id that will be set on the connection that is established to the ActiveMQ server.

InitialRedeliveryDelay:

The delay before redeliveries start. Default: 1000

MaximumRedeliveries:

The maximum number of redeliveries or -1 for no maximum. Default: 5

RedeliveryBackOffMultiplier:

The multiplier to use if exponential back off is enabled. Default: 5

RedeliveryUseExponentialBackOff:

To enable exponential backoff. Default: false

[Cancel](#)

Once you enter the property information, for example `console.jms` as resource adapter name, the JMS Resource Group confirms your current progress

JMS Resources

JMS Resource Group -- Current Progress

So far, you've entered the basic configuration information required for a JMS resource group. Now you can create connection factories and destinations. When you're finished adding connection factories and destinations, you can review the Geronimo deployment plan for this JMS resource group, or go ahead and deploy it.

[Cancel](#)

From here you may add a **Connection Factory** or a **Queue**. If you add a Connection Factory, a wizard page appears. Select the type of JMS Factory from the drop down list and click **Next**.

JMS Resources

JMS Resource Group -- Select Connection Factory Type

JMS Factory Type:

This resource adapter declares several possible connection factory interfaces. Select the desired interface type for this connection factory.

Current Status for JMS Resource Group ActiveMQ_RR

- ◆ 1 Connection Factory
 - ◊ In Process
- ◆ 0 Destinations

[Cancel](#)

Name the connection factory as ActiveMQConnectionFactory and provide properties for your connection factory. Click **Next** to proceed.

JMS Resources

JMS Resource Group -- Configure Connection Factory

Connection Factory Name:

A unique name for the connection factory; used to refer to this connection factory when mapping resource references from application components.

Transaction Support:

Which JMS interface this connection factory should support.

Connection Pool Parameters

Pool Min Size:

The minimum number of connections in the pool. Leave blank for default.

Pool Max Size:

The maximum number of connections in the pool. Leave blank for default.

Blocking Timeout: (in milliseconds)

The length of time a caller will wait for a connection. Leave blank for default.

Idle Timeout: (in minutes)

How long a connection can be idle before being closed. Leave blank for default.

Current Status for JMS Resource Group ActiveMQ_RR

- ◆ 1 Connection Factory
 - ◊ In Process
- ◆ 0 Destinations

[Cancel](#)

You now have the option of adding the connection factory, adding a queue destination, showing the plan for this operation or deploying the new connection factory. Click **Deploy now** to deploy.

JMS Resources

JMS Resource Group -- Current Progress

These are the connection factories and destinations you've added to the JMS resource group so far. When you're finished adding connection factories and destinations, you can review the Geronimo deployment plan for this resource group, or go ahead and deploy it.

Type	Name	Interface
Connection Factory	ActiveMQConnectionFactory	javax.jms.ConnectionFactory

[Cancel](#)

Your new connection factory should be running and ready to create new connections.

JMS Resources

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This page lists all the available JMS Resource Groups.

ActiveMQ_RA (org.apache.geronimo.configs/activemq-ra/2.1.1-SNAPSHOT/car)

Type	Name	Deployed As	State	Actions
Connection Factory	DefaultActiveMQConnectionFactory	Server-wide	running	
Queue	SendReceiveQueue	Server-wide	running	
Queue	MDBTransferBeanOutQueue	Server-wide	running	

ActiveMQ_RR (console.jms/ActiveMQ_RR/1.0/rar)

Type	Name	Deployed As	State	Actions
Connection Factory	ActiveMQConnectionFactory	Server-wide	running	

Create a new JMS Resource Group:

- [For ActiveMQ](#)
- [For another JMS provider...](#)

Uninstall the JMS resource from Console

1. On the left navigation panel, select **J2EE connectors**;
2. Click **Uninstall** behind the JMS resource to be uninstalled, for example console.jms/jmsResources/1.0/car.