

I have a problem when I try to connect Sun Application Server 8 to IMQ using GenericRA v1.6.

I followed the steps described in <https://genericjmsra.dev.java.net/docs/userguide/userguide.html>.

My application server looks like this after setup:  
GenericRA

The screenshot displays the Sun Java System Application Server Admin Console. The left sidebar shows a tree view of the application server structure, with 'genericra\_imq' selected under 'Connector Modules'. The main panel shows the configuration for the 'genericra\_imq' Connector Module. The 'General' tab is active, showing the following details:

- Name: genericra\_imq
- Thread Pool ID: (empty field)
- Description: Thread pool ID for connector module (resource adapter)
- Status:  Enabled
- Location: \${com.sun.aas.instanceRoot}/applications/j2ee-modules/genericra\_imq
- Object Type: user

Below the general settings, the 'Sub Components' section shows two 'Connector Components' of type 'ResourceAdapter'.

The 'Resource Adapter Properties' section lists 14 properties:

Name	Value
LogLevel	info
CommonSetterMethodName	setProperty
QueueConnectionFactoryClassName	com.sun.messaging.QueueConnectionFactory
TopicClassName	com.sun.messaging.Topic
ConnectionFactoryClassName	com.sun.messaging.ConnectionFactory
XATopicConnectionFactoryClassName	com.sun.messaging.XATopicConnectionFactory
SupportsXA	true
ProviderIntegrationMode	javabean
XAQueueConnectionFactoryClassName	com.sun.messaging.XAQueueConnectionFactory
UserName	admin
XAConnectionFactoryClassName	com.sun.messaging.XAConnectionFactory
Password	admin
QueueClassName	com.sun.messaging.Queue
TopicConnectionFactoryClassName	com.sun.messaging.TopicConnectionFactory

## Connection Resource

**Sun Java™ System Application Server Admin Console**

Application Server > Resources > Connectors > Connector Resources > jms

### Edit Connector Resource

A JDBC resource (data source) provides applications with a means of connecting

JNDI Name: jms/IMQCCFactory

\* Pool Name:  Use the [Connector Connection Pools](#) page to create new pools

Description:

Status:  Enabled

## Connector Connection Pool

**Sun Java™ System Application Server Admin Console**

Application Server > Resources > Connectors > Connector Connection Pools > imqpool

**General** | Security Maps

### Edit Connector Connection Pool

Use the Manage Security Maps button to create or modify security policies for the pool.

#### General Settings

Name: imqpool  
 Resource Adapter: genericra\_imq  
 Connection Definition: javax.jms.QueueConnectionFactory  
 Description:

#### Pool Settings

Initial and Minimum Pool Size:  Connections  
Minimum and initial number of connections maintained in the pool (default is 8)

Maximum Pool Size:  Connections  
Maximum number of connections that can be created to satisfy client requests (default is 32)

Pool Resize Quantity:  Connections  
Number of connections to be removed when pool idle timeout expires

Idle Timeout:  seconds  
Maximum time that a connection can remain idle in the pool. (default is 300)

Max Wait Time:  milliseconds  
Amount of time caller waits before connection timeout is sent

On Any Failure:  Close All Connections  
Close all connections and reconnect on failure; otherwise reconnect only when used

Transaction Support:  Level of transaction support

#### Properties

**Additional Properties (0)**

Properties

Name	Value
No properties found. Click "Add Property" above to add a property.	

## Admin object resource

The screenshot shows the Sun Java™ System Application Server Admin Console. The left sidebar displays a tree view of the application server configuration, with 'Admin Object Resources' expanded to show a list of resources, including 'jms/BatchQueue' which is highlighted. The main panel is titled 'Edit Admin Object Resource' and shows the configuration for 'jms/BatchQueue'. The configuration includes:

- JNDI Name: jms/BatchQueue (A unique identifier)
- Resource Type: javax.jms.Queue
- Resource Adapter: genericra\_imq (Select the desired resource)
- Description: (empty field)
- Status:  Enabled

Below the configuration fields is an 'Additional Properties (1)' table:

Additional Properties (1)		
Add Delete Properties		
<input checked="" type="checkbox"/>	Name	Value
<input type="checkbox"/>	DestinationProperties	Name=BatchQueue

When I execute this code in an SEJB, I got the following stacktrace:

```
public class TestGenericRA {

    public void sendMessage(Serializable toSend) throws Exception {
        QueueConnection queueConnection = null;
        QueueSession queueSession = null;
        QueueSender queueSender = null;
        try {
            Context context = new InitialContext();
            QueueConnectionFactory qcf = (QueueConnectionFactory)
context.lookup("jms/IMQCCFactory");
            queueConnection = qcf.createQueueConnection();

            queueSession = queueConnection.createQueueSession(false,
QueueSession.CLIENT_ACKNOWLEDGE);
            ObjectMessage jmsMessage =
queueSession.createObjectMessage(toSend);

            Queue queue = (Queue)context.lookup("jms/BatchQueue");
            queueSender = queueSession.createSender(queue);

            queueSender.send(jmsMessage);
        } finally {
            if (queueSender != null) queueSender.close();
            if (queueSession != null) queueSession.close();
            if (queueConnection != null) queueConnection.close();
        }
    }
}
```

javax.ejb.EJBException

... 36 more

Caused by: javax.jms.JMSEException: Invocation exception while executing the method setProperty  
at com.sun.genericra.util.ExceptionUtils.newJMSEException(ExceptionUtils.java:63)

at

com.sun.genericra.outbound.DestinationAdapter.\_getPhysicalDestination(DestinationAdapter.java:67)

at com.sun.genericra.outbound.SessionAdapter.getWrappedQueue(SessionAdapter.java:390)

at com.sun.genericra.outbound.SessionAdapter.createSender(SessionAdapter.java:365)

at

com.ardatis.ventouris.service.batch.messaging.TestGenericRA.sendMessage(TestGenericRA.java:29)

at

com.ardatis.ventouris.service.batch.messaging.BatchQueueMessageHelper.sendMessage(BatchQueue  
MessageHelper.java:60)

... 67 more

Caused by: javax.resource.spi.InvalidPropertyException: Invocation exception while executing the  
method setProperty

at com.sun.genericra.util.ExceptionUtils.newInvalidPropertyException(ExceptionUtils.java:40)

at com.sun.genericra.util.ObjectBuilder.setUsingCommonSetterMethod(ObjectBuilder.java:124)

at com.sun.genericra.util.ObjectBuilder.build(ObjectBuilder.java:96)

at com.sun.genericra.outbound.DestinationAdapter.initialize(DestinationAdapter.java:108)

at

com.sun.genericra.outbound.DestinationAdapter.\_getPhysicalDestination(DestinationAdapter.java:65)

... 71 more

Caused by: javax.resource.ResourceException: Invocation exception while executing the method  
setProperty

at com.sun.genericra.util.MethodExecutor.runJavaBeanMethod(MethodExecutor.java:76)

at com.sun.genericra.util.ObjectBuilder.setUsingCommonSetterMethod(ObjectBuilder.java:121)

... 74 more