Name create-jms-resource – creates a JMS resource

Synopsis create-jms-resource [--help]
--restype *type*
[--target *target*]
[--enabled={true|false}]
[--description *text*]
[--property (*name=value*)[:*name=value*]*]
jndi_name

Description The create-jms-resource subcommand creates a Java Message Service (JMS) connection factory resource or a JMS destination resource.

This subcommand is supported in remote mode only. Remote asadmin subcommands require a running domain administration server (DAS).

Options --help
-?
  Displays the help text for the subcommand.

--restype
  The JMS resource type, which can be javax.jms.Topic, javax.jms.Queue, javax.jms.ConnectionFactory, javax.jms.TopicConnectionFactory, or javax.jms.QueueConnectionFactory.

--target
  Creates the JMS resource only for the specified target. Valid values are as follows:

  Note – The resource is always created for the domain as a whole, but the <resource-ref> element for the resource is only created for the specified --target. This means that although the resource is defined at the domain level, it is only active at the specified --target.

  server
    Creates the JMS resource for the default server instance. This is the default value.

  domain
    Creates the JMS resource for the domain.

  cluster-name
    Creates the JMS resource for every server instance in the specified cluster.

  instance-name
    Creates the JMS resource for the specified server instance.

--enabled
  If set to true (the default), the resource is enabled at runtime.

--description
  Text providing details about the JMS resource.

--property

    Optional attribute name/value pairs for configuring the JMS resource.

    You can specify the following properties for a connection factory resource:

ClientId

    A client ID for a connection factory that will be used by a durable subscriber.

AddressList

    A comma-separated list of message queue addresses that specify the host names (and, optionally, port numbers) of a message broker instance or instances with which your application will communicate. For example, the value could be earth or earth:7677. Specify the port number if the message broker is running on a port other than the default (7676). The default value is an address list composed from the JMS hosts defined in the server's JMS service configuration. The default value is localhost and the default port number is 7676. The client will attempt a connection to a broker on port 7676 of the local host.

UserName

    The user name for the connection factory. The default value is guest.

Password

    The password for the connection factory. The default value is guest.

ReconnectEnabled

    A value of true indicates that the client runtime attempts to reconnect to a message server (or the list of addresses in the AddressList) when a connection is lost. The default value is false.

ReconnectAttempts

    The number of attempts to connect (or reconnect) for each address in the AddressList before the client runtime tries the next address in the list. A value of -1 indicates that the number of reconnect attempts is unlimited (the client runtime attempts to connect to the first address until it succeeds). The default value is 6.

ReconnectInterval

    The interval in milliseconds between reconnect attempts. This applies to attempts on each address in the AddressList and for successive addresses in the list. If the interval is too short, the broker does not have time to recover. If it is too long, the reconnect might represent an unacceptable delay. The default value is 30,000 milliseconds.

AddressListBehavior

    Specifies whether connection attempts are in the order of addresses in the AddressList (PRIORITY) or in a random order (RANDOM). PRIORITY means that the reconnect will always try to connect to the first server address in the AddressList and will use another one only if the first broker is not available. If you have many clients attempting a connection using the same connection factory, specify RANDOM to prevent them from all being connected to the same address. The default value is the AddressListBehavior value of the server's JMS service configuration.

AddressListIterations
> The number of times the client runtime iterates through the AddressList in an effort to establish (or re-establish) a connection. A value of -1 indicates that the number of attempts is unlimited. The default value is -1.

You can specify the following properties for a destination resource:

Name
> The name of the physical destination to which the resource will refer. The physical destination is created automatically when you run an application that uses the destination resource. You can also create a physical destination with the create-jmsdest subcommand. If you do not specify this property, the JMS service creates a physical destination with the same name as the destination resource (replacing any forward slash in the JNDI name with an underscore).

Description
> A description of the physical destination.

Operands   *jndi_name*
> The JNDI name of the JMS resource to be created.

Examples   EXAMPLE 1   Creating a JMS connection factory resource for durable subscriptions

The following subcommand creates a connection factory resource of type javax.jms.ConnectionFactory whose JNDI name is jms/DurableConnectionFactory. The ClientId property sets a client ID on the connection factory so that it can be used for durable subscriptions. The JNDI name for a JMS resource customarily includes the jms/ naming subcontext.

```
asadmin> create-jms-resource --restype javax.jms.ConnectionFactory
--description "connection factory for durable subscriptions"
--property ClientId=MyID jms/DurableConnectionFactory
Connector resource jms/DurableConnectionFactory created.
Command create-jms-resource executed successfully.
```

EXAMPLE 2   Creating a JMS destination resource

The following subcommand creates a destination resource whose JNDI name is jms/MyQueue. The Name property specifies the physical destination to which the resource refers.

```
asadmin> create-jms-resource --restype javax.jms.Queue
--property Name=PhysicalQueue jms/MyQueue
Administered object jms/MyQueue created.
Command create-jms-resource executed successfully.
```

Exit Status   0   subcommand executed successfully

1   error in executing the subcommand

See Also   delete-jms-resource(1), list-jms-resources(1)

asadmin(1M)