

Name create-connector-connection-pool– adds a connection pool with the specified connection pool name

Synopsis create-connector-connection-pool [--help] [--target=*target*]
--raname *raname*
--connectiondefinition *connectiondefinitionname*
[--steadypoolsize *steadypoolsize*]
[--maxpoolsize *maxpoolsize*]
[--maxwait *maxwait*]
[--poolresize *poolresize*]
[--idletimeout *idletimeout*]
[--isconnectvalidatereq={false|true}]
[--failconnection={false|true}]
[--leaktimeout=*timeout*]
[--leakreclaim={false|true}]
[--creationretryattempts=*attempts*]
[--creationretryinterval=*interval*]
[--lazyconnectionenlistment={false|true}]
[--lazyconnectionassociation={false|true}]
[--associatewiththread={false|true}]
[--matchconnections={false|true}]
[--maxconnectionusagecount=*count*]
[--validateatmostonceperiod=*interval*]
[--transactionsupport *transactionsupport*]
[--description *text*]
[--property (*name=value*)[:*name=value*]*]
poolname

Description The create-connector-connection-pool subcommand adds a new connector connection pool with the specified connection pool name.

This subcommand is supported in remote mode only.

Options --help

--?

Displays the help text for the subcommand.

--target

Do not specify this option. This option is retained for compatibility with other releases. If you specify this option, a syntax error does not occur. Instead, the subcommand runs successfully and the option is silently ignored.

--raname

The name of the resource adapter.

--connectiondefinition

The name of the connection definition.

--steadypoolsize

The minimum and initial number of connections maintained in the pool. Default is 8.

--maxpoolsize

The maximum number of connections that can be created to satisfy client requests. Default is 32.

--maxwait

The amount of time, in milliseconds, that a caller must wait before a connection is created, if a connection is not available. If set to 0, the caller is blocked indefinitely until a resource is available or until an error occurs. Default is 60000.

--poolresize

Quantity by which the pool will scale-up or scale-down the number of connections. Scale-up: When the pool has no free connections, pool will scale-up by this quantity. Scale-down: All the invalid and idle connections are removed, sometimes resulting in removing connections of quantity greater than this value. The number of connections that is specified by **--steadypoolsize** will be ensured. Possible values are from 0 to `MAX_INTEGER`. Default is 2.

--idletimeout

The maximum time that a connection can remain idle in the pool. After this amount of time, the pool can close this connection. Default is 300.

--isconnectvalidatereq

If the value is set to true, the connections will be checked to see if they are usable, before they are given out to the application. Default is false.

--failconnection

If set to true, all connections in the pool are closed if a single validation check fails. This parameter is mandatory if the **--is-connection-validation-required** option is set to true. Legal values are on, off, yes, no, 1, 0, true or false. Default is false.

--leaktimeout

Specifies the amount of time, in seconds, for which connection leaks in a connection pool are to be traced.

If connection leak tracing is enabled, you can use the Admin Console to enable monitoring of the JDBC connection pool to get statistics on the number of connection leaks. Default is 0, which disables connection leak tracing.

--leakreclaim

Specifies whether leaked connections are restored to the connection pool after leak connection tracing is complete. Possible values are as follows:

false

Leaked connections are *not* restored to the connection pool (default).

true

Leaked connections are restored to the connection pool.

--creationretryattempts

Specifies the maximum number of times that the server retries to create a connection if the initial attempt fails.

Default is 0, which specifies that the server does not retry to create the connection.

--creationretryinterval

Specifies the interval, in seconds, between successive attempts to create a connection.

If --creationretryattempts is 0, the --creationretryinterval option is ignored.
Default is 10.

--lazyconnectionenlistment

Specifies whether a resource to a transaction is enlisted only when a method actually uses the resource. Possible values are as follows:

false

Resources to a transaction are always enlisted and *not* only when a method actually uses the resource (default).

true

Resources to a transaction are enlisted *only* when a method actually uses the resource.

--lazyconnectionassociation

Specifies whether a physical connection should be associated with the logical connection only when the physical connection is used, and disassociated when the transaction is completed. Such association and dissociation enable the reuse of physical connections. Possible values are as follows:

false

A physical connection is associated with the logical connection even before the physical connection is used, and is *not* disassociated when the transaction is completed (default).

true

A physical connection is associated with the logical connection only when the physical connection is used, and disassociated when the transaction is completed. The

--lazyconnectionenlistment option must also be set to true.

--associatewiththread

Specifies whether a connection is associated with the thread to enable the thread to reuse the connection. If a connection is not associated with the thread, the thread must obtain a connection from the pool each time that the thread requires a connection. Possible values are as follows:

false

A connection is *not* associated with the thread (default).

true

A connection is associated with the thread.

--matchconnections

Specifies whether a connection that is selected from the pool should be matched with the resource adaptor. If all connections in the pool are identical, matching between connections and resource adapters is not required. Possible values are as follows:

false

A connection should *not* be matched with the resource adaptor (default).

true

A connection should be matched with the resource adaptor.

--maxconnectionusagecount

Specifies the maximum number of times that a connection can be reused.

When this limit is reached, the connection is closed. By limiting the maximum number of times that a connection can be reused, you can avoid statement leaks. Default value is 0, which specifies no limit on the number of times that a connection can be reused.

--validateatmostonceperiod

Specifies the time interval in seconds between successive request to validate a connection at most once. Setting this attribute to an appropriate value minimizes the number of validation requests by a connection. Default value is 0, which specifies that the connection is never validated.

--transactionsupport

Indicates the level of transaction support that this pool will have. Possible values are `XATransaction`, `LocalTransaction` and `NoTransaction`. This attribute can have a value lower than or equal to but not higher than the resource adapter's transaction support attribute. The resource adapter's transaction support attribute has an order of values, where `XATransaction` is the highest, and `NoTransaction` the lowest.

--description

Text providing descriptive details about the connector connection pool.

--property

Optional attribute name/value pairs for configuring the pool. The following properties are available:

AddressList

Specifies a list of host/port combinations of the Message Queue software. For JMS resources of the type `javax.jms.TopicConnectionFactory` or `javax.jms.QueueConnectionFactory`. There is no default value.

ClientId

Specifies the JMS Client Identifier to be associated with a Connection created using the `createTopicConnection` method of the `TopicConnectionFactory` class. For JMS resources of the type `javax.jms.TopicConnectionFactory`. There is no default value.

Durable subscription names are unique and only valid within the scope of a client identifier. To create or reactivate a durable subscriber, the connection must have a valid

client identifier. The JMS specification ensures that client identifiers are unique and that a given client identifier is allowed to be used by only one active connection at a time. There is no default value.

UserName

Specifies the user name for connecting to the Message Queue software. For JMS resources of the type `javax.jms.TopicConnectionFactory` or `javax.jms.QueueConnectionFactory`. Default is `guest`.

Password

Specifies the password for connecting to the Message Queue software. For JMS resources of the type `javax.jms.TopicConnectionFactory` or `javax.jms.QueueConnectionFactory`. Default is `guest`.

ReconnectAttempts

Specifies the number of attempts to connect (or reconnect) for each address in the `imqAddressList` before the client runtime moves on to try 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). Default is `6`.

ReconnectInterval

Specifies the interval between reconnect attempts in milliseconds. This applies to attempts on each address in the `imqAddressList` and on successive addresses in the list. If too short, this time interval does not give a broker time to recover. If too long, the reconnect might represent an unacceptable delay. Default is `30000` (30 seconds).

ReconnectEnabled

If true, specifies that the client runtime attempts to reconnect to a message server (or the list of addresses in `imqAddressList`) when a connection is lost. Default is false.

AddressListBehavior

Specifies whether connection attempts are in the order of addresses in the `imqAddressList` attribute (`priority`) or in a random order (`random`). If many clients are attempting a connection using the same connection factory, use a random order to prevent them from all being connected to the same address. Default is `priority`.

AddressListIterations

Specifies the number of times the client runtime iterates through the `imqAddressList` in an effort to establish (or reestablish) a connection. Default is `-1`, which indicates that the number of attempts is unlimited.

LazyConnectionEnlistment

Deprecated. Use the equivalent attribute. Default is false.

LazyConnectionAssociation

Deprecated. Use the equivalent attribute. Default is false.

AssociateWithThread

Deprecated. Use the equivalent attribute. Default is false.

MatchConnections

Deprecated. Use the equivalent attribute. Default is false.

Operands *poolname*

The name of the connection pool to be created.

Examples **EXAMPLE 1** Creating a Connector Connection Pool

This example creates a new connector connection pool named jms/qConnPool.

```
asadmin> create-connector-connection-pool
--raname jmsra --connectiondefinition javax.jms.QueueConnectionFactory jms/qConnPool
--steadypoolsize 20 --maxpoolsize 100 --poolresize 2 --maxwait 60000
Command create-connector-connection-pool executed successfully
```

Exit Status 0 subcommand executed successfully

1 error in executing the subcommand

See Also [delete-connector-connection-pool\(1\)](#), [list-connector-connection-pools\(1\)](#),
[ping-connection-pool\(1\)](#)
[asadmin\(1M\)](#)

