

Connection Pooling

Use

10.5

The Connector Container Service in the AS Java provides support for pooling EIS connections, which can be reused.

You can configure the connection pooling for each ManagedConnectionFactory at deployment time.

Activities

You can set the parameters of a connection pool for a resource adapter in its additional deployment descriptor (**connector-j2ee-engine.xml**) using the **<pool-params>** element and its child elements.

You can manage the following parameters:

- **max-connections-number** - this defines the maximum number of connection instances that can be stored in the connection pool
- **max-time-to-wait-connections** - using this parameter you can define how many seconds the system waits for a connection to be released if there are no free connections and the maximum number of pooled connections is already achieved. The system throws an exception after this interval.
- **connection-lifetime** - use this parameter to define how many seconds a connection may stay in pool before it is closed
- **run-cleanup-thread** - using this parameter you can schedule a thread that periodically cleans up unused connection objects at a regular interval that you set in seconds.

Sample Code

```
<pool-params>
  <max-connections-number>10</max-connections-number>
  <max-time-to-wait-connections>120</max-time-to-wait-connections>
  <expiration-control>
    <connection-lifetime>600</connection-lifetime>
    <run-cleanup-thread>300</run-cleanup-thread>
  </expiration-control>
</pool-params>
```

On this page

[Use](#)[Activities](#)

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- Creating Connector Projects in the Developer Studio
- > Implementing 1.5 Resource Adapter
- > Implementing 1.0 Resource Adapter
- > Assembling and Configuring the Resource Adapter
 - Resource Adapter Archive (RAR)
 - Connection Pooling
 - Resource Adapter Classloading
 - Using Resource Adapter to Obtain a Connection
 - Driving an Interaction with the EIS
 - Developing Application Clients
- > Working with Libraries
- > Assembling Components into Enterprise Applications
- > Deploying Applications
- > Managing the Application Environment
- > Creating J2EE 1.4 Applications in SAP NetWeaver Developer Studio
- > Tasks
 - > Developing Persistence
 - > Developing Business Logic with EJB 3.0
 - > Developing User Interfaces
 - > Creating Web Services and Web Service Clients
 - > Using Java Message Service
 - > Developing JCA Resource Adapters
 - Creating Connector Projects in the Developer Studio
 - > Implementing 1.5 Resource Adapter
 - > Implementing 1.0 Resource Adapter
 - Assembling and Configuring the Resource Adapter