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JBoss Datasource SPY logging

Datasource SPY logging

JBoss

SQL

logging subsystem

logging subsystem

SPY logging

```
<logger category="jboss.jdbc.spy">
  <level name="TRACE"/>
</logger>
```

configuration

```
<subsystem xmlns="urn:jboss:domain:logging:1.1">
  <console-handler name="CONSOLE">
    <level name="INFO"/>
    <formatter>
      <pattern-formatter pattern="%d{HH:mm:ss,SSS} %-5p [%c] (%t)
%s%E%n"/>
    </formatter>
  </console-handler>
  <periodic-rotating-file-handler name="FILE">
    <formatter>
      <pattern-formatter pattern="%d{HH:mm:ss,SSS} %-5p [%c] (%t)
%s%E%n"/>
    </formatter>
    <file relative-to="jboss.server.log.dir" path="server.log"/>
    <suffix value=".yyyy-MM-dd"/>
    <append value="true"/>
  </periodic-rotating-file-handler>
  <logger category="com.arjuna">
    <level name="WARN"/>
  </logger>
  <logger category="org.apache.tomcat.util.modeler">
    <level name="WARN"/>
  </logger>
  <logger category="sun.rmi">
    <level name="WARN"/>
  </logger>
  <logger category="jacob" >
    <level name="WARN"/>
  </logger>
```

```
</logger>
<logger category="jacorb.config">
  <level name="ERROR"/>
</logger>

<!-- ***** Enabling Spy logging category ***** -->
<logger category="jboss.jdbc.spy">
  <level name="TRACE"/>
</logger>
<!-- ***** -->

<root-logger>
  <level name="INFO"/>
  <handlers>
    <handler name="CONSOLE"/>
    <handler name="FILE"/>
  </handlers>
</root-logger>
</subsystem>
```

datasource subsystem

datasource subsystem datasource spy="true" 가 .
JBoss Management WEB UI jboss-cli.sh configuration

```
<!-- ***** Below is MySQLDS with Spy logging enabled ***** -->
<datasource jndi-name="java:/MySQLDS" pool-name="MySQLDS_Pool"
enabled="true" spy="true" jta="false" use-ccm="false">
  <connection-url>
    jdbc:mysql://localhost:3306/testDB
  </connection-url>
  <driver-class>
    com.mysql.jdbc.Driver
  </driver-class>
  <driver>
    mysql-connector-java-5.1.13-bin.jar
  </driver>
  <security>
    <security-domain>
      encrypted-ds
    </security-domain>
  </security>
</datasource>
<!-- ***** Above is MySQLDS with Spy logging enabled ***** -->
```

output

```
23:01:14,744 DEBUG [jboss.jdbc.spy] (http-localhost-127.0.0.1-8080-1)
java:/MySqlDS [Connection] createStatement()
23:01:14,748 DEBUG [jboss.jdbc.spy] (http-localhost-127.0.0.1-8080-1)
java:/MySqlDS [Statement] executeQuery(SELECT * FROM emp)
23:01:14,756 DEBUG [jboss.jdbc.spy] (http-localhost-127.0.0.1-8080-1)
java:/MySqlDS [ResultSet] next()
23:01:14,756 DEBUG [jboss.jdbc.spy] (http-localhost-127.0.0.1-8080-1)
java:/MySqlDS [ResultSet] getString(1)
23:01:14,757 DEBUG [jboss.jdbc.spy] (http-localhost-127.0.0.1-8080-1)
java:/MySqlDS [ResultSet] getString(2)
23:01:14,757 DEBUG [jboss.jdbc.spy] (http-localhost-127.0.0.1-8080-1)
java:/MySqlDS [ResultSet] next()
23:01:14,757 DEBUG [jboss.jdbc.spy] (http-localhost-127.0.0.1-8080-1)
java:/MySqlDS [Connection] close()
```

jca logging

가 jca

가

```
<logger category="org.jboss.jca">
  <level name="TRACE"/>
</logger>
```

jca

가

datasource

가

```
23:58:12,112 TRACE
[org.jboss.jca.core.connectionmanager.NoTxConnectionManager] (http-
localhost-127.0.0.1-8080-1) Subject: Subject:
  Principal: root
  Private Credential:
javax.resource.spi.security.PasswordCredential@dd9c93cc

23:58:12,122 DEBUG
[org.jboss.jca.core.connectionmanager.pool.idle.IdleRemover] (http-
localhost-127.0.0.1-8080-1) internalRegisterPool: about to notify thread:
old next: 1322937792121, new next: 1322937792121
23:58:12,123 TRACE
[org.jboss.jca.core.connectionmanager.pool.strategy.PoolBySubject] (http-
localhost-127.0.0.1-8080-1) ManagedConnectionPool: 52e0cdc9
Method: getConnection(Subject:
  Principal: root
```

```
Private Credential:
javax.resource.spi.security.PasswordCredential@dd9c93cc
, null)
ManagedConnectionFactory:
  Class: org.jboss.jca.adapters.jdbc.local.LocalManagedConnectionFactory
  Object: 4200309
ConnectionListenerFactory:
  Class: org.jboss.jca.core.connectionmanager.notx.NoTxConnectionManagerImpl
  Object: 51a745fc
Pool:
  Name: MySqlDS_Pool
PoolConfiguration:
  MinSize: 0
  MaxSize: 20
  BlockingTimeout: 30000
  IdleTimeout: 1800000
  BackgroundValidation: false
  BackgroundValidationMillis: 0
  StrictMin: false
  UseFastFail: false
Available:
InUse:
Statistics:
  ActiveCount: 0
  AvailableCount: 20
  AverageBlockingTime: 0
  AverageCreationTime: 0
  CreatedCount: 0
  DestroyedCount: 0
  MaxCreationTime: 0
  MaxUsedCount: 0
  MaxWaitCount: 0
  MaxWaitTime: 0
  TimedOut: 0
  TotalBlockingTime: 0
  TotalCreationTime: 0
23:58:12,124 TRACE
[org.jboss.jca.adapters.jdbc.local.LocalManagedConnectionFactory] (http-
localhost-127.0.0.1-8080-1) Using properties: {user=root, password=--hidden-
-}
23:58:12,124 TRACE
[org.jboss.jca.adapters.jdbc.local.LocalManagedConnectionFactory] (http-
localhost-127.0.0.1-8080-1) Checking driver for URL:
jdbc:mysql://localhost:3306/testDB
23:58:12,125 TRACE
[org.jboss.jca.adapters.jdbc.local.LocalManagedConnectionFactory] (http-
localhost-127.0.0.1-8080-1) Driver not yet registered for url:
jdbc:mysql://localhost:3306/testDB
23:58:12,125 DEBUG
[org.jboss.jca.adapters.jdbc.local.LocalManagedConnectionFactory] (http-
```

```
localhost-127.0.0.1-8080-1) Driver loaded and instance
created:com.mysql.jdbc.Driver@75589559
23:58:12,180 DEBUG [org.jboss.jca.core.tx.jbossts.XAResourceRecoveryImpl]
(Periodic Recovery) RecoverySecurityDomain was empty
23:58:12,180 DEBUG [org.jboss.jca.core.tx.jbossts.XAResourceRecoveryImpl]
(Periodic Recovery) Subject for recovery was null
23:58:12,338 TRACE
[org.jboss.jca.core.connectionmanager.pool.strategy.PoolBySubject] (http-
localhost-127.0.0.1-8080-1) supplying new ManagedConnection:
org.jboss.jca.core.connectionmanager.listener.NoTxConnectionListener@4b7d94f
8[state=NORMAL managed
connection=org.jboss.jca.adapters.jdbc.local.LocalManagedConnection@21bf4c80
connection handles=0 lastUse=1322936892337 trackByTx=false
pool=org.jboss.jca.core.connectionmanager.pool.strategy.PoolBySubject@163778
cf pool internal
context=org.jboss.jca.core.connectionmanager.pool.mcp.SemaphoreArrayListMana
gedConnectionPool@52e0cdc9]
23:58:12,338 TRACE
[org.jboss.jca.core.connectionmanager.pool.strategy.PoolBySubject] (http-
localhost-127.0.0.1-8080-1) Got connection from pool:
org.jboss.jca.core.connectionmanager.listener.NoTxConnectionListener@4b7d94f
8[state=NORMAL managed
connection=org.jboss.jca.adapters.jdbc.local.LocalManagedConnection@21bf4c80
connection handles=0 lastUse=1322936892337 trackByTx=false
pool=org.jboss.jca.core.connectionmanager.pool.strategy.PoolBySubject@163778
cf pool internal
context=org.jboss.jca.core.connectionmanager.pool.mcp.SemaphoreArrayListMana
gedConnectionPool@52e0cdc9]
23:58:12,347 INFO [stdout] (http-localhost-127.0.0.1-8080-1) ==> Got
Connection = org.jboss.jca.adapters.jdbc.jdk6.WrappedConnectionJDK6@28892a87
23:58:12,350 DEBUG [jboss.jdbc.spy] (http-localhost-127.0.0.1-8080-1)
java:/MySqlDS [Connection] createStatement()
23:58:12,355 DEBUG [jboss.jdbc.spy] (http-localhost-127.0.0.1-8080-1)
java:/MySqlDS [Statement] executeQuery(SELECT * FROM emp)
23:58:12,362 DEBUG [jboss.jdbc.spy] (http-localhost-127.0.0.1-8080-1)
java:/MySqlDS [ResultSet] next()
23:58:12,363 DEBUG [jboss.jdbc.spy] (http-localhost-127.0.0.1-8080-1)
java:/MySqlDS [ResultSet] getString(1)
23:58:12,363 DEBUG [jboss.jdbc.spy] (http-localhost-127.0.0.1-8080-1)
java:/MySqlDS [ResultSet] getString(2)
23:58:12,363 DEBUG [jboss.jdbc.spy] (http-localhost-127.0.0.1-8080-1)
java:/MySqlDS [ResultSet] next()
23:58:12,363 DEBUG [jboss.jdbc.spy] (http-localhost-127.0.0.1-8080-1)
java:/MySqlDS [Connection] close()
23:58:12,365 TRACE
[org.jboss.jca.core.connectionmanager.listener.NoTxConnectionListener]
(http-localhost-127.0.0.1-8080-1) unregisterConnection: 0 handles left
23:58:12,365 TRACE
[org.jboss.jca.core.connectionmanager.pool.strategy.PoolBySubject] (http-
localhost-127.0.0.1-8080-1) ManagedConnectionPool: 52e0cdc9
Method: returnConnection(4b7d94f8, false)
```

```
ManagedConnectionFactory:
  Class: org.jboss.jca.adapters.jdbc.local.LocalManagedConnectionFactory
  Object: 4200309
ConnectionListenerFactory:
  Class: org.jboss.jca.core.connectionmanager.notx.NoTxConnectionManagerImpl
  Object: 51a745fc
Pool:
  Name: MySqlDS_Pool
PoolConfiguration:
  MinSize: 0
  MaxSize: 20
  BlockingTimeout: 30000
  IdleTimeout: 1800000
  BackgroundValidation: false
  BackgroundValidationMillis: 0
  StrictMin: false
  UseFastFail: false
Available:
InUse:
  4b7d94f8 (NORMAL)
Statistics:
  ActiveCount: 1
  AvailableCount: 19
  AverageBlockingTime: 0
  AverageCreationTime: 212
  CreatedCount: 1
  DestroyedCount: 0
  MaxCreationTime: 212
  MaxUsedCount: 1
  MaxWaitCount: 0
  MaxWaitTime: 0
  TimedOut: 0
  TotalBlockingTime: 0
  TotalCreationTime: 212
23:58:12,366 TRACE
[org.jboss.jca.core.connectionmanager.pool.strategy.PoolBySubject] (http-
localhost-127.0.0.1-8080-1) Returning connection to pool
org.jboss.jca.core.connectionmanager.listener.NoTxConnectionListener@4b7d94f
8[state=NORMAL managed
connection=org.jboss.jca.adapters.jdbc.local.LocalManagedConnection@21bf4c80
connection handles=0 lastUse=1322936892366 trackByTx=false
pool=org.jboss.jca.core.connectionmanager.pool.strategy.PoolBySubject@163778
cf pool internal
context=org.jboss.jca.core.connectionmanager.pool.mcp.SemaphoreArrayListMana
gedConnectionPool@52e0cdc9]
```

- <http://middlewaredmagic.com/jboss/?p=1050>

- <https://access.redhat.com/solutions/89393>

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