Configure

Adeptia Suite Embedded Log Database

On

SQL Server/MySql/Oracle Database

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Objective:

Adeptia Suite installation provides HSQL as the embedded log database. The HSQL database is recommended for evaluation purposes because it is lightweight. For development or production installations we strongly recommend having any other commercial database that is stable, scalable, and has its own features of database backup and restore.

This document provides steps to configure Adeptia HSQL log database to other supported database i.e. Sql Server/MySql/Oracle database.

Note: Please note that Adeptia log database can be configured to any other database that supports jbdc connectivity. For further information on using database other than Sql Server/MySql/Oracle database please contact support@adeptia.com

Log Database Setup:-

1. Select or Setup your database server from either one of below:-
   a. Sql Server
   b. Oracle
   c. MySql

2. Create a new database on Sql-Server\MySql\Oracle with appropriate name i.e. let's say Adeptia_Log.

3. Go to **\..\AdeptiaSuite\AdeptiaServer-5.2\ServerKernel\etc** folder and open appropriate .sql script from one of below available scripts on this location:-

   a. initialize-log-sqlserver.sql
   b. initialize-log-mysql.sql
   c. initialize-log-oracle.sql

4. Run the above selected SQL query on recently created Adeptia_Log database. This will create the required tables in the database that you have created.

5. Locate **\..\AdeptiaSuite\AdeptiaServer-5.2\ServerKernel\etc** folder again and open appropriate .sql script from one of below available scripts on this location:-

   a. create-indexes-sqlserver.sql
   b. create-indexes-mysql.sql
   c. create-indexes-oracle.sql

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6. Run the above selected SQL query on recently created Adeptia_Log database. This will apply the required indexes on the log tables.

Configure Log Database with Adeptia Suite:

1. Stop the Adeptia Suite Services i.e. Adeptia Kernel and Adeptia Webrunner.

2. Goto \..\AdeptiaSuite\AdeptiaServer-5.2\ServerKernel\etc and open **server-configure.properties file.**

3. Open server-configure.properties file and search for **Embedded Database Settings** category (see figure below).

```
</Category>
<Category hide="true" name="Embedded Database Settings">
    <Property comment="Database names comma separated" dynamic="no" name="abpm.embedded.db.names">
    indigo,logs</Property>
    <Property comment="Database port" dynamic="no" name="abpm.embedded.indigo.port">2476</Property>
    <Property comment="Database Server memory configuration" dynamic="no" name="abpm.embedded.indigo.memory">-Xms128M
    Xmx256M -Xrs</Property>
    <Property comment="Database port" dynamic="no" name="abpm.embedded.logs.port">2477</Property>
    <Property comment="Database Server memory configuration" dynamic="no" name="abpm.embedded.logs.memory">-Xms128M -
    Xmx256M -Xrs</Property>
```

Remove "**, logs**" from the property as shown in the above figure.

4. Search for "Database Appender" sub-group in the server-configure.properties and change the properties as suggested below:-

```
    </SubGroup>
    <SubGroup name="Database Appender">
        <Property comment="Log4j JDBC Appender" dynamic="no" name="log4j.appender.jdbc">
        org.apache.log4j.jdbcplus.JDBCAppender</Property>
        <Property comment="JDBC URL" dynamic="no" name="log4j.appender.jdbc.url">
        jdbc:hsqldb:hsql://127.0.0.1:2477</Property>
        <Property comment="JDBC Driver Class" dynamic="no" name="log4j.appender.jdbc.dbclass">
        org.hsqldb.jdbcDriver</Property>
        <Property comment="JDBC User Name" dynamic="no" name="log4j.appender.jdbc.username">sa</Property>
        <Property comment="JDBC Password" dynamic="no" encrypt="y" name="log4j.appender.jdbc.password">I99KL/lB3Ss=
        </Property>
        <Property comment="Log Database Type" dynamic="no" name="abpm.logs.dbType">HSQL</Property>
        <Property comment="Log4j JDBC Appender Connector" dynamic="no" name="log4j.appender.jdbc.connector">
        com.adeptia.indigo.logging.DbcpPoolConnectionHandler</Property>
        <Property comment="JDBC SqlHandler Class" dynamic="no" hide="true" name="log4j.appender.jdbc.sqlhandler">
            com.adeptia.indigo.logging.SqlHandler  </Property>
        <Property comment="Log4j JDBC Pattern Layout" dynamic="no" hide="true" name="log4j.appender.jdbc.layout">
            org.apache.log4j.PatternLayout  </Property>
        <Property comment="Log4j JDBC Layout ConversionPattern" dynamic="no" hide="true"
        name="log4j.appender.jdbc.layout.ConversionPattern">
            %m  </Property>
        <Property comment="Log4j JDBC Buffer Size" dynamic="no" hide="true" name="log4j.appender.jdbc.buffer">   1
        </Property>
        <Property comment="JDBC Commit Option Yes or No " dynamic="no" hide="true"
        name="log4j.appender.jdbc.commit">   true  </Property>
        <Property comment="JDBC Max Characters Throwable " dynamic="no" hide="true"
        name="log4j.appender.jdbc.throwableMaxChars">4000</Property>
    </SubGroup>
```

Change the following properties.

Property Name	Comment	Specified changes according to Database
log4j.appender.jdbc.url	JDBC URL	**For SQLServer:** jdbc:jtds:sqlserver://<DatabaseServer>:1433/<DatabaseName> **For MySQL :** jdbc:mysql:// <DatabaseServer>:3306/<DatabaseName> **For Oracle :** jdbc:oracle:thin:@ <DatabaseServer>:1521/<DatabaseName>
log4j.appender.jdbc.dbclass	JDBC Driver Class	**For SQLServer :** net.sourceforge.jtds.jdbc.Driver **For MySQL :** com.mysql.jdbc.Driver **For Oracle :** oracle.jdbc.driver.OracleDriver
log4j.appender.jdbc.username	JDBC User Name (Same for all DB)	name="log4j.appender.jdbc.username">**Username**</Property>
log4j.appender.jdbc.password	JDBC Password (Same for all DB)	encrypt="**n**" name="log4j.appender.jdbc.password">**Password**</Property>

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abpm.logs.dbType	Log Database Type	**For SQLServer :** SQL-Server **For MySQL :** MYSQL **For Oracle :** Oracle

5. Search for "Pagination" group in the server-configure.properties and change the jdbc driver as suggested below:

```
</Group>
<Group name="Pagination">
    <Property comment="Enable or Disable Pagination" dynamic="yes" name="abpm.pagination.enable">yes</Property>
    <Property comment="Maximum number of Records that will displayed in a page" dynamic="yes"
name="abpm.pagination.page.size">10</Property>
    <Property comment="Pagination Database Handler Class" hide="true" name="abpm.pagination.db.handler">
    org.hdpagination.dataaccess.jdbc.hsqldb.HSQLDBJdbcQueryTemplate</Property>
    <Property comment="Pagination Backend Database Handler Class" hide="true"
name="abpm.pagination.backenddb.handler">
    org.hdpagination.dataaccess.jdbc.hsqldb.HSQLDBJdbcQueryTemplate</Property>
</Group>
```

Change the following properties:

Pagination Database Handler Class	**For SQLServer :** org.hdpagination.dataaccess.jdbc.sqlserver.SQLServer2005JdbcQueryTemplate **For MySQL :** org.hdpagination.dataaccess.jdbc.mysql.MySqlJdbcQueryTemplate **For Oracle :** org.hdpagination.dataaccess.jdbc.oracle.OracleJdbcQueryTemplate
Pagination Log Archival Database Handler Class	**For SQLServer :** org.hdpagination.dataaccess.jdbc.sqlserver.SQLServer2005JdbcQueryTemplate **For MySQL :** org.hdpagination.dataaccess.jdbc.mysql.MySqlJdbcQueryTemplate **For Oracle :** org.hdpagination.dataaccess.jdbc.oracle.OracleJdbcQueryTemplate

6. Save server-configure.properties and start the Adeptia services i.e. Adeptia Kernel and Adeptia Webrunner.

7. Login Adeptia Suite and execute few test process flows to populate logs in log database.

8. Go to process flow history logs to see if it is displaying the logs.