Cougaar

Cougaar Agent Architecture Open-Source site

Data Access

Cougaar Database Access Information

CSMART and some plugins found in the Cougaar infrastructure and the glm/mlm packages require information from a database (most do not need one). These plugins are able to query a database to gather necessary information using parameters that are set in a file called cougaar.rc or .cougaarrc. You can place a .cougaarrc file in $HOME or you can place a cougaar.rc file in your config directory (e.g. $COUGAAR_INSTALL_PATH/configs/minitestconfig) or the more often, the common directory (e.g. $COUGAAR_INSTALL_PATH/configs/common).

The following information provides examples to show the required syntax for these parameters.

For scripts to load data into the example databases listed here, see csmart/data/database/mysql/scripts

The file should define various database drivers that will be used. For example:

```
driver.mysql=org.gjt.mm.mysql.Driver
driver.oracle=oracle.jdbc.driver.OracleDriver
driver.postgresql=org.postgresql.Driver
```

Various Database Connection strings may be used. For example:

```
jdbc:mysql://HOST/DBNAME (For MySQL)
jdbc:oracle:thin:@HOST:PORT:SID (For Oracle)
jdbc:postgresql://HOST:PORT/DBNAME (For PostGres)
```

The file should define parameters used by various plugins. For example, your cougaar.rc file, when running the UltraLog societies, would need to define the following information:

```
# domain database
org.cougaar.database=DBConnectionString
org.cougaar.database.user=User
org.cougaar.database.password=Password

# oplan database -- A new (10.4.1) entry for OPLAN information.
org.cougaar.oplan.database=DBConnectionString
org.cougaar.oplan.user=User
org.cougaar.oplan.password=Password
```

```
# ua database (not normally needed)
fcs.database=DBConnectionString
fcs.database.user=User
fcs.database.password=Password


# configuration database - CSMART
org.cougaar.configuration.database=DBConnectionString
org.cougaar.configuration.user=User
org.cougaar.configuration.password=Password


# refconfig database - running from xml
org.cougaar.refconfig.database=DBConnectionString
org.cougaar.refconfig.user=User
org.cougaar.refconfig.password=Password


# blackjack
blackjack.database=DBConnectionString
blackjack.database.user=User
blackjack.database.password=Password


# icis
icis.database=DBConnectionString
icis.database.user=User
icis.database.password=Password


### Note that older sample database names used by some glm/mlm plugins
# are no longer used. These include:
# oplan.test.database
# blackjack8.database
# generic.database.expander.database
# construction.database


# HTTPS keystore and password
# the keystore path is relative to the $COUGAAR_INSTALL_PATH
org.cougaar.web.keystore=Filename
org.cougaar.web.keypass=Password


# datagrabber database configuration
# On the next line, DATAGRABBER_DBNAME is typically "Grabber" but can be
anything you like.
org.cougaar.mlm.ui.grabber.config.DBConfig.connectionURL=jdbc:mysql://HOST/DATAGRABBER_DBNAME
org.cougaar.mlm.ui.grabber.config.DBConfig.user=User
org.cougaar.mlm.ui.grabber.config.DBConfig.password=Password
org.cougaar.mlm.ui.grabber.config.DBConfig.syntax=MySQL
```