**CN100.EnterprisePlatform.Utility DBUtil使用**

## 创建DBUtil

### 创建情况一

using (DBUtil db = new DBUtil())

{

}

使用配置信息来初始化连接, ConnectionConfiguration.LocalDBName属性用于配对connectionString的设置项。

**配置用例:**

<connectionStrings>

<add name="TestDB" connectionString="Data Source=192.168.0.115,115;Initial Catalog=TESTDB;uid=DEV@CN100;pwd=dev@cn100.cn~!2012" providerName="System.Data.SqlClient" />

</connectionStrings>

### 创建情况二

using (DBUtil db = new DBUtil("Data Source=192.168.0.115,115;Initial Catalog=TESTDB;uid=DEV@CN100;pwd=dev@cn100.cn~!2012"

, "System.Data.SqlClien"))

{

}

在创建DBUtil的时指定数据连接信息和对就原数据访问类型。

注意：DBUtil不是线程安全

使和的时候尽可能使用带传参的方法

使用完成后注意调用Disposed,最好是使用using来使用

## 返回DataReader查询

using (DBUtil db = new DBUtil())

{

string sql = "select \* from tblUser";

using (IDataReader reader = db.getDataReader(sql))

{

while (reader.Read())

{

}

}

}

## 返回DataSet查询

using (DBUtil db = new DBUtil("Data Source=192.168.0.115,115;Initial Catalog=TESTDB;uid=DEV@CN100;pwd=dev@cn100.cn~!2012"

, "System.Data.SqlClien"))

{

string sql = "select \* from tblUser";

DataSet ds = db.getDataSet(sql, "user");

}

## 执行存储过程

### 执行存储过程

using (DBUtil db = new DBUtil())

{

string[] pnames = new string[] {"@Sql","@Order","@PageIndex","@PageSize" };

object[] pvalues = new object[] { "select \* from tblUser", DBNull.Value, 1, 100 };

db.executeStoreProc("st\_pager", pnames, pvalues, new string[0], new int?[0], new DbType[0] , null);

}

### 执行存储过程并返回DataSet

using (DBUtil db = new DBUtil())

{

string[] pnames = new string[] {"@Sql","@Order","@PageIndex","@PageSize" };

object[] pvalues = new object[] { "select \* from tblUser", DBNull.Value, 1, 100 };

DataSet ds= db.getDataSetByStoreProc("st\_pager", "user",pnames,pvalues);

}

## 事务

using (DBUtil db = new DBUtil())

{

DbTransaction tran = db.getTransaction();

try

{

db.executeNonQuery("...", tran);

db.executeNonQuery("...", tran);

tran.Commit();

}

catch (Exception e\_)

{

tran.Rollback();

throw e\_;

}

}

## 自定义命令查询

### 自定义1

using (DBUtil db = new DBUtil())

{

IDbCommand cmd = db.connection.CreateCommand();

cmd.CommandText = "...";

cmd.ExecuteNonQuery();

}

### 自定义2

using (DBUtil db = new DBUtil())

{

DbTransaction tran = db.getTransaction();

try

{

IDbCommand cmd = db.connection.CreateCommand();

cmd.Transaction = tran;

cmd.CommandText = "...";

cmd.ExecuteNonQuery();

tran.Commit();

}

catch (Exception e\_)

{

tran.Rollback();

throw e\_;

}

}