

数据库操作类实现(C#,SqlClient) PDF转换可能丢失图片或格式，建议阅读原文

[https://www.100test.com/kao\\_ti2020/448/2021\\_2022\\_\\_E6\\_95\\_B0\\_E6\\_8D\\_AE\\_E5\\_BA\\_93\\_E6\\_c97\\_448754.htm](https://www.100test.com/kao_ti2020/448/2021_2022__E6_95_B0_E6_8D_AE_E5_BA_93_E6_c97_448754.htm) 使用ADO.Net时，每次数据库操作都要设置connection属性、建立connection、使用command、事务处理等，比较繁琐，有很多重复工作。能不能把这些繁琐的、常用的操作再封装一下，以更方便、安全地使用。下面这个类就是一种尝试：

```
using System. using
System.Data.SqlClient. using System.Text. using System.Data. using
System.Collections. using System.Configuration. public class
DBAccess { /// /// Declare the ole db required objects /// /// /// An
ole db adapter to act as the bridge to the database /// private
SqlDataAdapter dbDataAdapter. /// /// The connection to the
database /// private SqlConnection dbConnection. /// /// The
command for doing the inserts /// private SqlCommand
dbInsertCommand. /// /// The command for doing the 0deletes ///
private SqlCommand dbDeleteCommand. /// /// The command for
doing the 0updates /// private SqlCommand dbUpdateCommand.
/// /// The command for doing the Selects /// private SqlCommand
dbSelectCommand. private SqlCommand
dbSelectCommandofAdapter. /// /// The command for get dataset
/// private SqlDataAdapter dataAdapterCommand. /// /// The data
reader for the application /// public SqlDataReader dbDataReader.
/// /// Declare an enum to allow internal tracking of commands ///
enum COMMAND{ NONE, INSERT, UPDATE, DELETE,
SELECT,DATASET }. /// /// Internal member for tracking
```

```
command progress /// private COMMAND command. /// /// String
to hold error messages if a command fails /// private string error. ///
/// Get a stored error message if ExecuteCommand fails /// public
string ErrorMessage { get { return error. } } /// /// bool holder for is
open /// private bool bOpen. /// /// Check to see if a data base is
open /// public bool IsOpen { get { return bOpen. } } /// /// Declare a
string object for the insert command /// public string
InsertCommand { get { return dbInsertCommand.CommandText. }
set { command = COMMAND.INSERT.
dbInsertCommand.CommandText = value. } } /// /// Declare a
string object for the 0delete command /// public string
DeleteCommand { get { return dbDeleteCommand.CommandText.
} set { command = COMMAND.DELETE.
dbDeleteCommand.CommandText = value. } } /// /// Declare a
string object for the 0update command /// public string
UpdateCommand { get { return
dbUpdateCommand.CommandText. } set { command =
COMMAND.UPDATE. dbUpdateCommand.CommandText =
value. } } 100Test 下载频道开通，各类考试题目直接下载。详
细请访问 www.100test.com
```