# Visual Basic Example

This chapter provides examples on how to create a Visual Basic object with the DCOM Wrapper and how to use the properties of this object.

**Define an Object :**

```
Dim OLEObj as Object
```

**Create an Object :**

```
Set OLEObj = CreateObject("<Object Name>")
```

**Retrieve User ID :**

```
Dim sUserID As String
sUserID = OLEObj.UserID
```

**Retrieve RPC User ID :**

```
Dim sRpcUserID As String
sRpcUserID = OLEObj.RpcUserID
```

**Retrieve Timeout Value :**

```
Dim lTimeOut As Integer
lTimeOut = OLEObj.TimeOut
```

**Retrieve and display Server Address :**

```
MsgBox "Server Address : " & OLEObj.ServerAddress
```

**Retrieve Token :**

```
Dim sToken As String
sToken = OLEObj.Token
```

**Retrieve Library :**

```
Dim sLibrary As String
sLibrary = OLEObj.Library
```

**Retrieve Compression :**

```
Dim sCompression As String
sCompression = OLEObj.Compression
```

**Retrieve Natural Logon :**

```
Dim sNaturalLogon As String
sNaturalLogon = OLEObj.NaturalLogon
```

**Retrieve Error Class :**

```
Dim sErrorClass As Long
sErrorClass = OLEObj.ErrorClass
```

**Retrieve Error Number :**

```
Dim sErrorNumber As Long
sErrorNumber = OLEObj.ErrorNumber
```

**Retrieve Error Message :**

```
Dim sErrorMessage As String
sErrorMessage = OLEObj.ErrorMessage
```

**Display Error Message :**

Use the Description property of Visual Basic’s Error object, for example:

```
On Error GoTo frmload_ErrProc
...
frmload_ErrProc:
MsgBox Err.Description, Err.Source
```

**Set User ID :**

```
OLEObj.UserID = "<User ID>"
```

**Set Password :**

```
OLEObj.Password = "<Password>"
```

**Set NewPassword :**

```
OLEObj.NewPassword = "<NewPassword>"
```

**Set RPC User ID :**

```
OLEObj.RpcUserID = "<RpcUser ID>"
```

**Set RPC Password :**

```
OLEObj.RpcPassword = "<RpcPassword>"
```

**Set Server Address :**

```
OLEObj.ServerAddress = "<Server Address>"
```

**Set Time Out Value :**

```
OLEObj.TimeOut = <Timeout value>
```

**Set Token :**

OLEObj.Token = "<Token>"

**Set Library :**

OLEObj.Library = "<Library Name>"

**Set Compression :**

OLEObj.Compression = "<Compression Type>"
<Compression Type> ::= ’<blank>’ | ’2’

**Set Natural Logon :**

OLEObj.NaturalLogon = "<Natural Logon>"
<Natural Logon> ::= ’Y’ | ’N’

**Open Conversation :**

OLEObj.OpenConversation

**Close Conversation with Backout:**

OLEObj.CloseConversation

**Close Conversation with Commit :**

OLEObj.CloseConversationCommit

**Broker Logon :**

OLEObj.Logon

**Broker Logoff :**

OLEObj.Logoff

**Setting up User ID and Timeout Value using Method `SetInfo`:**

OLEObj.SetInfo UserID:=tbUserID.Text, TimeOut:=30

Similarly, other named parameters can be used for setting connection and user-specific information. Other named parameters are as follows :

| Named Parameter | Purpose |
|---|---|
| UserID | Sets User ID, maximum 32 characters long. |
| Password | Sets Password, maximum 32 characters long. |
| NewPassword | Sets NewPassword, maximum 32 characters long. |
| Token | Sets Token, maximum 32 characters long. |
| BrokerID | Sets Broker ID, maximum 32 characters long. |
| ServerName | Sets Server Name, maximum 32 characters long. |
| ServerClass | Sets Server Class, maximum 32 characters long. |
| ServiceName | Sets Service Name, maximum 32 characters long. |
| TimeOut | Sets Timout value, timeout value is validated at server end. Cannot be less than or equal to 0. |
| RpcUserID | Sets RPC User ID, maximum 32 characters long. |
| RpcPassword | Sets RPC Password, maximum 32 characters long. |
| ForceLogon | Determines whether explicit or auto-logon is used by the caller. |
| EncryptionLevel | Encryption level used by EntireX Security. |
| SSLString | Used for setting SSL parameters. |
| CompressLevel | Compression level. Valid values: N/Y/0-9.<br><br>Only the first character of the string will be used for the compression. If you type YES, the character Y will be used and ES will be cut off.<br><br>See also *Data Compression in EntireX Broker*. |