



## COM OBJECT

### WHAT IS IT?

COM stands for **Component Object Model**, a software architecture that allows the components created by different software vendors to be combined into a variety of applications. The **AccuMail COM Object Toolkit** is designed to assist even the most novice developer with the task of integrating the power of AccuMail address correction into a web or windows application.

There are a wide variety of development environments that the toolkit can be used in, though virtually any application that allows the creation of a COM object can be used with the AccuMail COM Object Toolkit, a few of which are listed here.

- ✓ VBScript, JScript, JavaScript or CGI scripting for internet or intranet applications
- ✓ Microsoft SQL Server 2000 (Transact SQL)
- ✓ Microsoft Visual Basic
- ✓ Microsoft Visual C++
- ✓ Visual Basic for Applications (VBA) (Access, Word, etc.)
- ✓ Visual FoxPro

### EXAMPLES OF USE

Incorporate powerful single lookup or batch address verification and correction into:

- ✕ **Websites** that capture customer address data for account creation or order shipping.
- ✕ **Database programs** such as SQL Server 2000™, Microsoft Access™ and Microsoft FoxPro™.
- ✕ **Word processing programs** such as Microsoft Word™ and WordPerfect™, and much, much more.....



### WHAT'S IN THE TOOLKIT?

- ✕ Sample program and source code for the following development environments:
  - Microsoft Access 2000, 2003 and 2007*
  - Microsoft Access XP*
  - Microsoft SQL Server 2000 Using Visual Basic and ADO*
  - Microsoft SQL Server 2000 Using Transact SQL Language*
  - ASP Web Page using VBScript*
  - ASP Web Page using JScript*
  - Visual Basic 6.0 Test Application*
- ✕ AccuMail COM Object API (Application Programming Interface) documentation



## IMPLEMENTATION

The COM Object toolkit is very simple to use and can be implemented in as little as an hour or two. Below is an example of how easy it is to implement the AccuMail COM Object Toolkit into to a typical ASP web page using VBScript. That is all there is to it! More examples like these are included with the COM Object documentation and program samples.

### Step One: Object Instantiation (Creation)

```
Set AmgObj = CreateObject("AMGold.Z4Object")
```

### Step Two: Initialize the Accumail database

```
ReturnValue = AmgObj.Initialize()
```

### Step Three: Clear buffers

```
ReturnValue = AmgObj.ClearBuffers()
```

### Step Four: Set your address input

```
ReturnValue = AmgObj.SetField("COMPANY",  
"Datatech Smartsoft, Inc.")  
ReturnValue = AmgObj.SetField("STREET",  
"30101 Agoura Ct")  
ReturnValue = AmgObj.SetField("SUITE", "Suite  
118")  
ReturnValue = AmgObj.SetField("CITY", "Agoura  
Hills")  
ReturnValue = AmgObj.SetField("STATE", "CA")  
ReturnValue = AmgObj.SetField("ZIP", "91301")
```

### Step Five: Perform Lookup

```
ReturnValue = AmgObj.Lookup()
```

### Step Six: Get Corrected and Extra Address Information

```
company = AmgObj.GetField("COMPANY")  
street = AmgObj.GetField("STREET")  
street2 = AmgObj.GetField("STREET2")  
suite = AmgObj.GetField("SUITE")  
city = AmgObj.GetField("CITY")  
Urb = AmgObj.GetField("URB")  
state = AmgObj.GetField("STATE")  
zip = AmgObj.GetField("ZIP")  
zip4 = AmgObj.GetField("PLUS4")
```

```
DPB = AmgObj.GetField("DPB")  
CRRT = AmgObj.GetField("CRRT")  
ErrorMsg = AmgObj.GetField("ERRORMSG") Lot =  
AmgObj.GetField("LOT")  
LastLine = AmgObj.GetField("LASTLINE")  
CongDist =  
AmgObj.GetField("CONGRESSIONALDISTRICT") Count  
yCode = AmgObj.GetField("COUNTYCODE")  
CountyName = AmgObj.GetField("COUNTYNAME")  
ACSKeyline = AmgObj.GetField("ACSKEYLINE")  
HouseNum = AmgObj.GetField("HOUSENUMBER")  
PreDir = AmgObj.GetField("PREDIR")  
StreetName = AmgObj.GetField("STREETNAME")  
StreetSuffix = AmgObj.GetField("STREETSUFFIX")  
PostDir = AmgObj.GetField("POSTDIR")  
SUD = AmgObj.GetField("SUD")  
UnitNum = AmgObj.GetField("UNITNUM")  
ResultCode = AmgObj.GetField("ERRORCODE")  
Corrections = AmgObj.GetField("CORRECTIONS")  
Leftovers = AmgObj.GetField("Leftovers")
```

### Step Seven: Finalize (Close) the object

```
ReturnValue = AmgObj.Finalize()
```

## SYSTEM REQUIREMENTS

### Recommended:

Pentium 3 processor or higher  
512 MB RAM minimum, 2GB optimal  
2 GB Free Disk Space  
Windows XP or higher OS  
Microsoft IIS 4.0 or higher for ASP page samples

For more information on the COM Object Toolkit or to receive a free sample of code for evaluation purposes, please contact us at [sales@smartsoftusa.com](mailto:sales@smartsoftusa.com) or call us on 888.227.7221.