ActiveXperts Mobile Messaging Toolkit

Improve your software with SMS, Social Media and E-mail capabilities.

The Mobile Messaging Toolkit makes integrating SMS, Social Media and / or E-mail into your application a trivial matter. With social media integration it is now possible to reach, alert or find anyone who uses either Twitter, Linked-In or Facebook.

■ Mobile Messaging Toolkit Overview

The Mobile Messaging Toolkit is an ActiveX/COM component that is accessible through almost all platforms that are available for Microsoft Windows.

It's easy to use the Mobile Messaging Toolkit through the large amount of working examples that are included. The product ships with sample source code for various development platforms, including:

- Visual C# .NET and Visual Basic .NET
- ASP .NET (C#/VB) and ASP 2.x
- Visual C++
- VBScript and VBA (Visual Basic for Applications)
- Delphi
- HTML / Javascript
- PHP
- ColdFusion

The Mobile Messaging Toolkit design has a number of important features:

- Troubleshooting. Protocol level logging is offered on all messaging options in the toolkit
- Portability. Since all functionality is included in a single .DLL file the deployment of the toolkit in your own product is a breeze
- Thread-safety. All protocols are completely threadsafe and can be used in multi-threaded environments
- ActiveX/COM. Nearly all programming and scripting environments on Windows have built-in means of accessing ActiveX/COM components

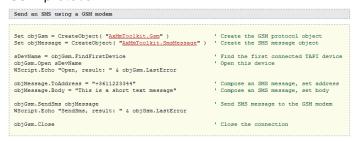
■ SMS and Pager Features

Today nearly everyone can be reached through their mobile and nearly all mobile devices have support for SMS. SMS and pager support is an important part of the Mobile Messaging Toolkit.

This shows through the large number of SMS protocols that are supported and the maturity level of the SMS protocol implementations as well as the high-level API.

The following SMS and Pager protocols are supported: GSM, SMPP (client and server), HTTP, Dialup (TAP/XIO), SNPP.

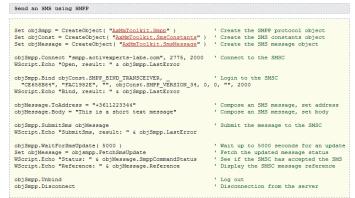
Each of these protocols is easily accessible. This is an example of sending an SMS message through the GSM protocol:



The following is a list of commonly used SMS features:

- Unicode and Binary SMS support for GSM, SMPP and HTTP
- Delivery reports are supported for both GSM and SMPP
- SMPP Server. Powerful SMPP server functionality to build your own SMSC
- Application ports as supported for GSM and SMPP. Set the port in the address. E.g.: '+316223344:1000'
- Multipart messages are automatically split up and assembled for GSM and SMPP
- Both 8bit and 16bit UDH multipart modes supported for GSM
- 8 / 16bit UDH, SAR TLV and Payload TLV multipart modes supported for SMPP
- SMPP versions 5.0, 3.4 and 3.3 supported
- TLV's are supported in SMPP. TLV's are easily accessible for reading and setting
- Data_sm and submit_sm packets are supported for sending and receiving messages
- WAPPush and vCard templates. To easily format these binary SMS types

An example of sending an SMS message through SMPP:





■ Social Media features

Social Media is rapidly gaining popularity as a primary messaging platform for people in areas where internet coverage is ubiquitous.

There are currently three important platforms that compose the bulk of the social media spectrum and its participants: Facebook, Twitter and Linked in. All three are fully supported by the Mobile Messaging Toolkit.

These platforms are very important as a means of reaching or alerting people as well as finding out more about potential customers.

Here's an example of authenticating and sending a status update using Twitter in the Mobile Messaging Toolkit:

```
Authenticate on Twitter

Set objTwitter = CreateObject( "AxWmToolkit.Twitter") 'Create the Twitter object
objTwitter.LoadConsumerKey "Consumer.key" 'Load your application key
WScript.Echo "LoadConsumerKey, result: "6 objTwitter.LastError

strUrl = objTwitter.RequestAuthorization 'Request an authorization URL
WScript.Echo "RequestAuthorization, result: "6 objTwitter.LastError

Set objIE = CreateObject( "InternetExplorer.Application") 'Create the Internet explorer object
objIE.Navigate strUrl: objIE.Visible = 1 'Wset IE to have the user log in
Do While objIE.Busy: Loop 'Wsit until the log in page is loaded
strVerify = inputbox( "Enter verifier", "verifier", ") 'Obtain the verification code
objTwitter.RequestAccessToken strVerify 'Trade verifier for an access token
WScript.Echo "RequestAccessToken, result: "6 objTwitter.LastError

objTwitter.Tweet "Tweet about our success !"
WScript.Echo "Invet, result: "6 objTwitter.LastError

'Send out a Tweet
WScript.Echo "Invet, result: "6 objTwitter.LastError
```

The following is a list of commonly used social media features:

- OAuth 1.0a as well as OAuth 2.0 are supported for authenticating users
- Client and server authentication supported for both OAuth 1.0a and OAuth 2.0. It's as easy to write a client application as it is to write a web application
- XML as well as Json results for all media. Including Facebook. Only one parser needed to use any API results
- API Call functions for every protocol. This enables the use of any and all documented calls for Twitter, Linked-In and Facebook
- Unicode

This is an example of listing all Facebook friends in the current user profile:

■ E-mail features

E-mail is an integral part of today's society. It has all but replaced the traditional means of sending messages on paper media. We have come to expect being able to share anything with anyone in just a moment's notice.

This is why full featured and easy to use e-mail support is an important part of the Mobile Messaging Toolkit. The Mobile Messaging Toolkit supports SMTP for sending and POP3 for receiving. E-mail messages in the Mobile Messaging Toolkit expose most Mime related features.

The following is a list of commonly used features social media features:

- TLS/SSL support on both SMTP and POP3
- Gmail and Windows Live Mail are supported as well as most other popular cloud based e-mail services
- CRAM-MD5, Login and Plain authentication algorithms are supported for SMTP
- APOP3 and Plain text authentication supported for POP3
- Loading and Saving from- and to MIME files
- HTML and Plain-text bodies as well as a combination of HTML with a plain-text alternative are supported
- Attachments

Here's an example of sending out an e-mail using SMTP:

```
Send an E-mail using SMTP

Set objSmtp = CreateObject( "AxMmToolkit.Smtp" ) 'Create the SMTP Protocol object ("CreateObject( "AxMmToolkit.EmailMessage" ) 'Create the e-mail message object objSmtp.SetSecure 'FaxMmToolkit.EmailMessage object objSmtp.SetSecure 'FaxMmToolkit.EmailMessage object objSmtp.SetSecure 'FaxMmToolkit.EmailMessage object objSmtp.Connect "Smtp.qmail.com", "me@gmail.com", "password" 'Connect to the SMTP server objMail.FromName "Pme@gmail.com", "password" 'Connect to the SMTP server objMail.FromName "Pme@gmail.com" 'Set objTwitter.LastError 'Set the from name 'Set the to address objMail.AddTo "someone@example.com", "Someone" 'Set the to address objMail.BodyNtml = "Ktml>Cody>KlhH!</bd>
'Set the body text 'Set the body text 'Set a plain text alternative objSmtp.Send objMail 'Send, result: "6 objTwitter.LastError 'Disconnect from the server
```

Here's an example of opening a POP3 inbox:

Visit www.activexperts.com/mobile-messaging-component for more information.

Download your evaluation version at www.activexperts.com/download Requirements: Windows 2008 (R2) / 2003 / 8 / 7 / Vista / XP, 100MB of free disk space