BEMailer

COMPONENT OVERVIEW

The BEMailer.dll file is an ActiveX DLL that allows any application to send email via a SMTP. By setting the appropriate properties, email – capable of sending attachments – can be sent to any valid email address.

USAGE

The BEMailer.dll file is an ActiveX DLL that must be added by reference into your application. For Visual Basic applications, go to Projects->References and select BEMailer. Utilize the available example program to see how to use the BEMailer.dll in a Visual Basic application.

PROPERTIES

The following BEMailer.dll properties are available:

Property	Type	Description
SMTPServer	String	The SMTP (outgoing) address of the software email address. Example: smtp.myname.com
MessageTo	String	A valid email address of where the email will be sent.
MessageCC	String	A valid email address of where the email will be sent as a copy.
MessageFrom	String	Who the message is from. Must be a valid email address (myuser@myaccount.com)
MessageSubject	String	The subject line of the email
Message	String	Body of email text
AttachmentFileName	String	File name of any attachments
SendUserName	String	The user name that has access to the SMTP server. This is required when SMTPAuthenticationType = CDO_BASIC (a value of 1).
SendUserPassword	String	The user password required for access to the SMTP server. This is required when SMTPAuthenticationType = CDO_BASIC (a value of 1).
SMTPAuthenticationType	Integer	Only used if SMTP server requires Authentication. A value of CDO_ANONYMOUS (a value of zero) requires no authentication.
SMTPConnectionTimeout	Integer	The amount of time - in seconds – the software should wait before timing out when attempting to create an SMTP

		connection.
SMTPServerPort	Integer	The SMTP server port. The default = 25 and usually requires no modification.
SendUsing	Integer	Valid types are CDO_SEND_USING_PICKUP = 1, CDO_SEND_USING_PORT = 2, CDO_SEND_USING_EXCHANGE = 3. Default is CDO_SEND_USING_PORT and should not need to be changed
ErrorString	String	The textual description of any errors.
ErrNumber	Integer	The numerical value of the current error.

METHODS

Method	Return Type	Description
SendMessage	Boolean	After all properties have been configured correctly, this function will send the email. A return value of TRUE means the function succeeded. Use the ErrNumber and ErrorString values to handle any errors in the even the function returns FALSE.

ERROR VALUES

Constant	Value	Description
ERROR_NONE	0	No error.
ERROR_UNKNOWN	1	Could not determine the error
ERROR_NO_SMTP_SERVER_CONFIGURED	2	SMTP server name missing
ERROR_NO_MESSAGE_TO_CONFIGURED	3	MessageTo missing
ERROR_NO_MESSAGE_FROM_CONFIGURED	4	MessageFrom missing
ERROR_NO_SUBJECT_CONFIGURED	5	Subject missing
ERROR_NO_MESSAGE_CONFIGURED	6	Message missing
ERROR_SYSTEM	7	System error – error is in ErrorString property

SMTP CONFIGURATION

Although the usage of SMTP provides the most flexibility in terms of availability and ease of use, it could present considerable problems if not configured correctly. No system should be left "wide open" when SMTP is enabled or your system will likely be used as a relay point for spammers. To eliminate this risk, system administrators should configure their systems to only allow the IP addresses of computers utilizing the BEMailer system outbound privileges with authenticated permissions. This will prevent outside access through this relay point. While this issue is well beyond the scope of this document, the following are examples of how Microsoft IIS and Exchange servers could be set:

SAMPLE SETUP OF IIS SMTP EMAIL SERVER

1. Go to Administrative Tools>Internet Services Manager.
2. Open the tree below server name.
3. Right click on Default SMTP Virtual Server and select Properties.
4. On the General tab, do not modify anything.
5. On the Access tab, click the Authentication button.
   - 5.1.1. Add a checkmark to Anonymous access.
   - 5.1.2. Add a checkmark to Basic authentication.
   - 5.1.3. Clear the Requires TLS encryption field.
   - 5.1.4. Clear the Default domain field.
   - 5.1.5. Add a checkmark to Windows security package.
   - 5.1.6. On the Access tab, click the Communication... button and clear the Require secure channel field.
6. On the Access tab, click the Connection... button.
   - 6.1.1. Click on Only the list below.
   - 6.1.2. Click Add...
   - 6.1.3. Select Single Computer.
   - 6.1.4. Enter the IP address of computer that is running the BEMailer.dll

7. On the Access tab, click Relay... button.
    7.1.1. Click Only the list below.
    7.1.2. Click Add...
    7.1.3. Select Single Computer.
    7.1.4. Enter the IP address of computer that is running the BEMailer.dll.
    7.1.5. Clear the Allow all computers which successfully authenticate to relay, regardless of the list above field.
8. Click the Messages tab and set up the configurations as desired (if required).
9. Click the Delivery tab and set up the configurations as desired (if required).
10. Click the LDAP Routing tab and set up the configurations as desired (if required).
11. Click the Security tab and set up the configurations as desired (if required). This controls who can look at Properties tab in general and make changes to it.

SAMPLE SETUP OF EXCHANGE SERVER 5.5
NOTE: The information below is an example of how to setup Exchange Server version 5.5 to work with the BEMailer.dll. If you are using a different version of Exchange Server (e.g., 2000 or 2003), the field and window names will vary; however, a similar/equivalent configurations should be made.

1. Start the Exchange Server 5.5 Administrator program, either on the Exchange Server itself, or on another box, picking the Exchange Server as the target.
2. On the tree on the left hand side, open up the domain name, and double-click on Connections.
3. On the right hand side, double-click on Internet Mail Service.
4. From the window that opens, pick the Connections tab look for the group box labeled Accept Connections.
5. Inside the Accept Connections group box, click the Specify by Host... button. The Specify Hosts window will appear.
    5.1.1. If the IP address of the system running the BEMailer.dll is not in the list, click the Add... button. The Add window will appear.
        5.1.1.1.1.   Enter the IP address of the BEMailer.dll computer.
        5.1.1.1.2.   Enter a mask of 255.255.255.255 (saying only that address is valid).
        5.1.1.1.3.   Press the radio button that says, Only accept from this host if it uses:
        5.1.1.1.4.   Select Authentication from the drop down list.
        5.1.1.1.5.   Enter a checkmark in the checkbox next to This host is a relay server.
        5.1.1.1.6.   Click OK to close the Add window.
    5.1.2. Click OK to close the Specify Hosts window.
6. Click OK to close the Internet Mail Service window.

DISTRIBUTION
Bevan Engineering highly recommends that the BEMailer.dll be located ***and registered*** via regsvr32.exe (feel free to use the Bevan Engineering RegMenu.exe program) in the user's System32 directory (i.e. C:\Windows\System32). The BEMailer.dll.dll is dependant on the following files being present on the user system:

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ASYCFILT.DLL
COMCAT.DLL
MSVBVM60.DLL
OLEAUT32.DLL
OLEPRO32.DLL
STDOLE2.TLB
VB6STKIT.DLL

Ensure these files are deployed with your application or are already present on the user system. These redistributables can be downloaded via a .zip file from the www.bevanengineering.com website.

LICENSING
You are free to use the BEMailer.dll component in your applications at no charge. This software product is provided "as-is", without warranty of any kid, and any use of this software product is at your own risk. Bevan Engineering cannot and

will not be liable for any consequential damages. To the maximum extent permitted by applicable law, in no event shall Bevan Engineering or its suppliers be liable for any special, incidental, indirect, or consequential damages whatsoever (including, without limitation, damages for loss of business profits, business interruption, loss of business information, or any other pecuniary loss) arising out of the use of or inability to use the software product, even if Bevan Engineering has been advised of the possibility of such damages.

TECHNICAL SUPPORT
Bevan Engineering provides free technical support via email. Address any technical issues to support@bevanengineering.com. Be sure to include the following information:

1. Product information and revision level.
2. Specific details of the problem. Screen shots could be helpful.
3. The operating system and service pack level.
4. The type of processor, amount of RAM, and other important information that could be relevant.
5. If it's a development issue, the programming environment and service pack release.
6. The results after testing the sample application.