

How to send a letter using Delphi and Synapse library?

Dear readers! On this website there was a post [how to get values of all elements of Edit of the dialogue form using Delphi](#). Two posts described how to get IP address using Delphi [here](#) and [here](#). Let's start by **downloading Synapse library** from here: synapse.ararat.cz/doku.php.

Unpack the library into a temporary catalogue. Create catalogue D:\Delphi\Synapse\. It would be better if catalogues names contain Latin letters and no spaces. Copy the catalogue content source\lib from the unpacked archive into catalogue D:\Delphi\Synapse\. Now install Synapse library.

If you have Delphi 5-7, then:

- File -> Close All.
- Tools -> Environment Options. In the dialogue appeared find bookmark Library.
- Find words Browsing path. Click the button [...] on the right.
- In the dialogue find button [...]. Click it; there will appear a window to select the catalogue, find our catalogue D:\Delphi\Synapse\, select it and press button OK.
- Add selected catalogue by clicking Add and OK to close the window.
- Now words Library Path.
- Find words Library Path. Click the button [...] on the right.
- In the dialogue find button [...]. Click it; there will appear a window to select the catalogue, find our catalogue D:\Delphi\Synapse\, select it and press button OK.

- Add selected catalogue by clicking Add and OK to close the window.

For Delphi 2006-2007 this is done as follows:

- File -> Close All.
- Tools -> Options. In the dialogue appeared, in a tree on the left find Environment options -> Delphi Options -> Library - Win32.
- Find words Browsing path. Click the button [...] on the right.
- In the dialogue find button [...]. Click it, there will appear a window to select the catalogue, find our catalogue D:\Delphi\Synapse\, select it and press button OK.
- Add selected catalogue by clicking Add and OK to close the window.
- Now words Library Path.
- Find words Library Path. Click the button [...] on the right.
- In the dialogue find button [...]. Click it, there will appear a window to select the catalogue, find our catalogue D:\Delphi\Synapse\, select it and press button OK.
- Add selected catalogue by clicking Add and OK to close the window.

Now let's **write a code to send e-mail**. Create new project. In order to send a letter it is necessary to use smtp protocol. In **the Synapse library** there are smtpsend, mimemess, mimepart modules needed for this. Add these libraries:

uses

```
Windows, Messages, SysUtils, Classes, Graphics, Controls,  
Forms, Dialogues,  
StdCtrls, httpsend, mimemess, mimepart, smtpsend;
```

Write the following procedure:

```
Procedure SendMail (Host, Subject, pTo, From , TextBody,
                   HTMLBody, login,password :
string);
var Msg : TMimeMess; // message
    StringList : TStringList; // letter contents
    MIMEPart : TMimePart; // parts of the message (for future)
begin
    Msg := TMimeMess.Create; // create new message
    StringList := TStringList.Create;
    try
        // Add headings
        Msg.Header.Subject := Subject; // Subject of the message
        Msg.Header.From := From; // name and address of a sender
        Msg.Header.ToList.Add(pTo); // name and address of a
receiver
        // create root element
        MIMEPart := Msg.AddPartMultipart('alternative', nil);
        if length(TextBody)=0 then
            // If format is HTML
            begin
                StringList.Text := HTMLBody;
                Msg.AddPartHTML(StringList, MIMEPart);
            end
        else
            // if it is a text format
            begin
                StringList.Text := TextBody;
                Msg.AddPartText(StringList, MIMEPart);
            end;
            // Encode and send
            Msg.EncodeMessage;
            // Send.
                                                    if
smtpsend.SendToRaw(From,pTo,Host,Msg.Lines,login,password)
then
    ShowMessage('Your letter was sent')
    else
        ShowMessage('Your letter was not sent');
finally
    Msg.Free;
```

```
    StringList.Free;  
end;  
end;
```

Put a button on the form and write in the event handler the following:

```
procedure TForm1.Button1Click(Sender: TObject);  
begin  
    SendMail('smtp.yandex.ru',  
            'Subject of the text letter',  
            '"' + 'letter_to' + '" <' + 'letter@to.com' + '>',  
            '"' + 'letter_from' + '" <' + 'letter@from.com' + '>',  
            'Content of the letter in a text format',  
            '',  
            'login_smtp', 'password_smtp')  
end;
```