

TSMTP Component for Delphi (v.1.2)

the unregistered 32 bit version

TSMTP is a component for Borland Delphi, which allows to send Internet mail. If you have PPP or SLIP connection to the Internet, you can use this component in your applications. It fully supports Simple Mail Transfer Protocol (SMTP, rfc 821). You can attach files to the text messages and encode attachments using such popular methods as UUEncoding and MIME (rfc 1521). These features are built in. Encoding methods are fully compatible with the following mail retrieval agents: AOL, Eudora, Microsoft Exchange, Pegasus, Pine and probably more, we performed extensive tests only with these agents.

This is the 32 bit version. **It will not work with Delphi 1.0.**

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smtp.hlp

For usage information please refer to the online help file smtp.hlp.

1. Features

TSMTP supports multiple binary attachments, which can be UUEncoded or MIMEd. UUCode and MIME are built-in.

TSMTP now supports 2 kinds of MIME: Base64 and Quoted-Printable. Base64 is good for "real" binary files, e.g. zipped archives, jpg and gif pictures and so on, but it increases the size of the original file by 25%. Quoted-Printable encoding is ideal for ascii files, where can be small amount of characters, which cannot be transmitted via Internet mail, for example, characters with the foreign letters, such as Ç, ü and so on, which occupy upper portion of the ASCII table. In this case only foreign characters will be encoded, so size of the original file will stay approximately the same. Quoted-Printable encoding also handles long lines. The problem is, Internet mail allows only 512 characters per line, but Pascal has more strict limitation: 255 characters per line. Quoted-Printable encoding handles this problem, it breaks the lines.

TSMTP looks for the extension of the attachment and uses Quoted-Printable encoding only if the first five characters of the name of MIME type of the attachment is text/. In this implementation of TSMTP there are defined three MIME types of this kind:

```
text/plain    extension *.txt
text/rtf      extension *.rtf
text/html     extension *.htm
```

The procedure `GetContentType`, located in the mime.pas unit handles this. You can modify this part and include another MIME types, if you wish.

This 32 bit version of TSMTP uses Windows registry to pick up the *Content Type* for MIME encoding.

About wserr32.dll. You can place this dll somewhere on your *path* if you wish your application to display explanations of the Winsock errors. If your application does not find it, it will display just error numbers.

2. Packaging

The following files are included in the unregistered version of TSMTP component:

smtp.dcu	- compiled unit, containing TSMTP component;
smtp.int	- the interface part of the smtp.pas unit;
mailbase.dcu	- compiled unit, contains TMailBase class, an ancestor of TSMTP;
mailbase.int	- the interface part of the mailbase.pas unit;
mailutil.pas	- contains additional utilities;
smtp.dcr	- a component resource file;
wserr32.dll	- Dynamic link library with WinSock error messages;
mime.pas	- unit handling MIME encoding of binary attachments;
uucode.pas	- unit handling UU encoding of binary attachments;

The following files build the sample application smtpmail.exe, which is fully functional SMTP mail agent:

smtpmail.dpr
mmail.pas
mmail.dfm
smtpsu.pas
smtpsu.dfm

smtpmail also uses some procedures from the mailutil unit.

All the documentation is in the following files:

readme.doc	- this file;
register.doc	- information how to register;
file_id.diz	- standard BBS file description;
regform.doc	- registration order form;
smtp.hlp	- documentation in windows help format;
smtp.kwf	- keyword file for merging to Delphi master Help Index.

3. Installation

To install TSMTP into your Component Palette copy the following files:

mime.pas
uucode.pas
smtp.dcu
mailbase.dcu
mailutil.dcu
smtp.dcr

into your *Delphi 2.0\lib* directory, click *component/install*, then *add*, *browse* and select the file smtp.dcu, then click *OK* and TSMTP component will appear in the *Internet* tab of your component palette.

4. Installing Help file

You can use the help file smtp.hlp separately, or merge its index to the Delphi master Help index file.

To merge your keyword file into the Delphi master Help index,

1 Make sure you have placed the file SMTP.KWF along with the SMTP.HLP file in the directory with the compiled unit that contains your TSMTP component, which is SMTP.DCU.

2 Run the HELPINST application. HELPINST is a Windows application installed with Delphi.

3. Within HELPINST open the file \Delphi 2.0\Bin\DELPHI.HDX.

4. Click Add Keyword file and select SMTP.KWF. Help file for TSMTP will be merged with Delphi help.

5. Registration

Registered users will receive the full source code of TSMTP and the right of unlimited, royalty free usage of this component, technical support via Email, all minor upgrades and bug fixes (if there are any).

CompuServe Users:

TSMTP can be registered on CompuServe. This is the cheapest way to register. Just GO SWREG, search for registration number : **10917** and follow the instructions. Registration fee is just US\$16.95. Registered version, including full source code will be sent via CompuServe mail.

Credit Card Orders Only:

Credit card orders can be made from Public (software) Library, but it will cost you \$16.95 plus \$1.00 for shipping and handling to USA and Canada and \$2.00 to other countries.

You can order with MC, Visa, Amex, or Discover from PsL by calling 800-2424-PsL or 713-524-6394 or by FAX to 713-524-6398 or by CIS Email to 71355,470. You can also mail credit card orders to PsL at P.O.Box 35705, Houston, TX 77235-5705.

Please refer to product #**14510** when ordering from PsL. Mention that you are ordering **32 bit version** of TSMTP.

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7. Contact information:

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