

HS SMTP v2.0.9 – C SOURCE LIBRARY

Overview: HS SMTP is a software library in C (supplied with full source code) which implements the client side of Simple Mail Transfer Protocol (SMTP) over TCP socket layer according to RFC 821. HS SMTP supports the transfer of basic message header, message text and binary file attachments using MIME v1.0 base64 encoding

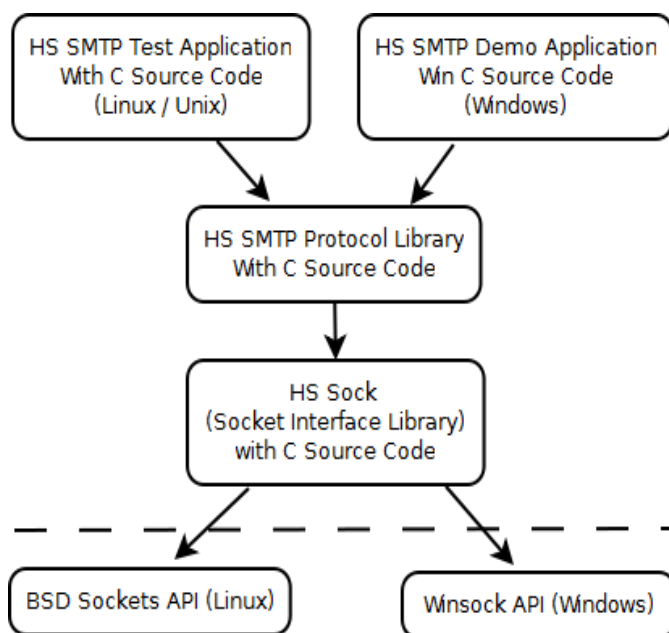
Benefits:

- Facilitates the development of email enabled / related features
- Shortens time-to-market of your product
- Frees-up development resources from tedious coding and allows their re-direction to core development
- Easy integration into PC based or embedded environment
- Off the shelf support for Linux and Windows OS (cross platform C source code)

Features:

- RFC821 SMTP client operation
- Message Header Transfer
- Message Text Transfer
- ESMTP extension for LOGIN base64 encoding authentication
- Sending file attachments using MIME v1.0 base64 encoding
- Message sending to multiple recipients specified in TO and CC fields
- Message sending to multiple addresses from address list
- Same source code complies both for Windows and Linux targets
- Non-blocking, asynchronous operation
- Built-in socket layer interface module with SSL support
- HS SMTP source code can be used on Windows, Linux and Embedded Systems
- SMTP over TLS, RFC3207 (STARTTLS) and SMTP over SSL (without STARTTLS)

HS SMTP Library Architecture: The product was developed using C language and includes SMTP protocol library, socket interface library and demo applications:



Summary of API Functions:

- * **HsSMTPINIT**
- * **HsSMTPDESTROY**
- * **HsSMTPTICK**
- * **HsSMTPSENDMAIL**
- * **HsSMTPABORTMAIL**
- * **HsSMTPCONTINUE**

How It Works: To send a text email message to any address on the internet, the user application calls a single function HsSmtplibSendMail, specifying mail server name or IP address, sender address, recipient address, message text buffer and length, subject, cc and an event callback function to use for reporting of operation result and server errors.

HS SMTP library then resolves the server name, connects to it and transmits the message according to SMTP RFC 821 protocol. HS SMTP Library incorporates the necessary state machine, transparency procedures, and server response processing required to comply to a simple and robust SMTP client implementation.

Modular design makes it easy to port HS SMTP protocol module to any environment. HS SMTP internally at a lower layer interfaces to HS Sock library which provides TCP transport services. User application need not worry about Winsock - HS SMTP does all transmission, reception and event handling over socket layer.

How to Buy HS SMTP LIBRARY:

You can purchase the library online using credit card payment, paypal or wire transfer at:
<http://www.hillstone-software.com/ordering.php?prd=HSSMTP>

If you wish to use purchase / invoice / bank transfer order process, please visit:
http://www.hillstone-software.com/purchase_orders.htm

Please visit the above web page to see the current prices. Once the purchase is made you will receive download link by email to download full product deliverables, which include:

- HS SMTP library binaries. (Win32 static library, Linux gcc object binaries)
- HS SMTP library full source code in C with MS Visual C project workspace and gcc makefile for Linux
- HS SMTP Demo Application binaries, full source code and MS Visual C and Linux gcc project workspace
- HS SMTP library user manual, which documents in detail complete library API.

HS SMTP Library DEMO Application: The HS SMTP product is supplied with full C source code and a fully functional Demo Application for Win32 platforms: <http://www.hillstone-software.com/download.php?prd=HSSMTP>

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