



Release Notes

V1.97.00

Micrium

For the Way Engineers Work

Revision History

Version	Date	Description
V1.97.00	2011 M ar	New features & changes
V1.96.01	2010 Dec	Bug fixes
V1.96	2010 Oct	Bug fixes & improvements FS port updates
V1.95	2010 Apr	Improvements
V1.94	2010 Jan	Bug fixes, new features & improvements
V1.93	2009 Aug	Bug fixes, new features & changes
V1.92	2009 Jun	Bug fixes & changes
V1.91	2008 Jul	Bug fixes & changes
V1.90	2007 Oct	Bug fixes & changes
V1.89	2007 Mar	Improvements

900-uC-HTTPS-004

Required Modules

Version 1.97.00

μC/TCP-IP version 2.11.00
μC/SSL version 1.08.00
(optional)
μC/CPU version 1.22
μC/LIB version 1.30

Version 1.96.01

μC/TCP-IP version 2.06
μC/CPU version 1.22
μC/LIB version 1.30

Version 1.96

μC/TCP-IP version 2.06
μC/CPU version 1.22
μC/LIB version 1.30

Version 1.95

μC/TCP-IP version 2.06
μC/CPU version 1.22
μC/LIB version 1.30

Version 1.94

μC/TCP-IP version 2.06
μC/CPU version 1.22
μC/LIB version 1.30

Version 1.93

μC/TCP-IP version 2.05
μC/CPU version 1.22
μC/LIB version 1.30

Version 1.92

μC/TCP-IP version 2.04
μC/CPU version 1.22
μC/LIB version 1.27

Version 1.91

μC/TCP-IP version 1.92
μC/CPU version 1.18
μC/LIB version 1.25

Version 1.90

μC/TCP-IP version 1.91
μC/CPU version 1.18
μC/LIB version 1.24

Version 1.89

μC/TCP-IP version 1.89
μC/CPU version 1.16
μC/LIB version 1.23

New Features

Version 1.97.00

V1.97.00-001

Added network security manager support:

V1.97.00-001a

Added new secure port in `http-s_cfg.h`:

```
HTTPS_CFG_IPPORT_SECURE
```

Version 1.96.01

N/A

Version 1.96

N/A

Version 1.95

N/A

Version 1.94

V1.94-001

Added `http-s_os.c` (μ C/OS-III port) to support μ C/OS-III V3.01.0 (& later versions). See also 'Improvements V1.94-001'.

Version 1.93

V1.93-001

Added new file system port layer.

Version 1.92

N/A

Version 1.91

N/A

Version 1.90

N/A

Version 1.89

N/A

Improvements

Version 1.97.00

N/A

Version 1.96.01

N/A

Version 1.96

V1.96-001

Updated file system port layer files:

V1.96-001a

Added appropriate argument checks where necessary (see also 'Corrections V1.96-001').

Version 1.95

V1.95-001

Cast ASCII character strings and pointers to strings as `const`, whenever possible.

V1.95-002

Replaced signed decimal integer string format modifier (`%d`) with unsigned decimal integer string format modifier (`%u`) for all unsigned integer string format parameters.

V1.95-003

`μC/TCP-IP` configuration (`net_cfg.h`) validated for required `μC/HTTPs` build/operation.

Version 1.94

V1.94-001

Added `http-s_os.c` (`μC/OS-III` port) to support `μC/OS-III` V3.01.0 (& later versions). See also 'New Features V1.94-001'.

Version 1.93

N/A

Version 1.92

N/A

Version 1.91

N/A

Version 1.90

N/A

Version 1.89

N/A

Changes

Version 1.97.00

V1.97.00-001

Added a secure argument to `HTTPS_Init()`:

```
CPU_BOOLEAN HTTPS_Init (CPU_BOOLEAN secure);
```

If the security manager is available and the secure argument is enabled, the accepted sockets will be secured. This allows the server to accept secure connections if the correct keying material is installed.

Version 1.96.01

N/A

Version 1.96

N/A

Version 1.95

N/A

Version 1.94

V1.94-001

Replaced calls to `HTTPS_OS_TxDly()` with calls to `NetOS_TimeDly_ms()`.

Version 1.93

V1.93-001

Changed file system functions to use the file system port API. See also 'New Features V1.93-001'.

V1.93-002

Changed `Str_FmtNbr_Int32U()` function call following changes `µC/LIB`'s changes.

Version 1.92

V1.92-001

Changed `HTTPS_TxHTTPHdr()` function so it does not use `snprintf()` to format the header. Data type mismatch could occur when 16- or 8-bit processors were used.

Version 1.91

V1.91-001

Replaced calls to `lib_str.c` function calls to `lib_ascii.c` following µC/LIB's changes.

Version 1.90

V1.90-001

Added `HTTPS_CFG_FULL_FILE_NAME_MAX_LEN` to `http-s_cfg.h` to configure the maximum length of a full file name.

V1.90-002

Changed `NET_SOCK_ADDR_IP`'s 'Family' member to 'AddrFamily' following µC/TCP-IP's changes.

Version 1.89

V1.89-001

Changed `http-s_cfg.h` address validation wait time from units of seconds to units of milliseconds:

`HTTPS_CFG_MAX_ACCEPT_TIMEOUT_MS`

`HTTPS_CFG_MAX_RX_TIMEOUT_MS`

`HTTPS_CFG_MAX_TX_TIMEOUT_MS`

Corrections

Version 1.97.00

N/A

Version 1.96.01

V1.96.01-001

HTTPS_HTML_FileTokParse() incorrectly parsed tokens and corrupted the parsed web page when the previous parsed segment contained an incomplete token and the last character of the current parse segment equals the first character of a token. Fixed by correctly parsing tokens spanning multiple parse segments.

Version 1.96

V1.96-001

Apps_FS_CalcSimilarity() [\Micrium\Software\uC-HTTPS\FS\Static\apps_fs.c] failed to validate pname_1/pname_2 arguments. Fixed by checking pname_1/pname_2 for NULL pointers. See also 'Improvements V1.96-001a'.

V1.96-002

http-s.h incorrectly output a dhcp-c.h configuration error. Fixed by outputting http-s.h error.

Version 1.95

N/A

Version 1.94

V1.94-001

HTTPS_Task() incorrectly declared socket connection handles (IDs) and socket address length variables using CPU_INT32S and CPU_INT16S data types, respectively. Fixed by declaring socket connection handles (IDs) and socket address length variables using NET_SOCKET_ID and NET_SOCKET_ADDR_LEN data types, respectively.

Version 1.93

V1.93-001

An empty token value incorrectly prevented further token to be replaced by their values. Fixed by correctly processing the token value list.

Version 1.92

V1.92-001

Structure `HTTPS_ConnInfo` incorrectly used `CPU_INT32U` datatype to represent a socket identification number. Fixed by changing the datatype to `NET_SOCKET_ID` in this structure, as well as in the `HTTPS_Tx()` function.

V1.92-002

Fixed `HTTPS_ProcessCGIList()` function that incorrectly parsed the variable-value list.

V1.92-003

Fixed `HTTPS_HexDigitToInt()` function that incorrectly executed the conversion.

Version 1.91

V1.91-001

`HTTPS_HTML_FileTokParse()` incorrectly marked the end of the buffer without considering the possible presence of an incomplete token. Fixed by considering the length of the incomplete token when marking the end of the buffer.

Version 1.90

V1.90-001

`HTTPS_ProcessPostReq()` failed to read the socket for the follow up name/value pairs. Fixed by checking for `<CRLF CRLF>` delimiter and its following character in order to decide whether or not reading the socket is necessary.

V1.90-002

Calls to `NetSock_Bind()` used `NET_SOCKET_ADDR` variable populated via a pointer to `NET_SOCKET_ADDR_IP`, which could cause load/store exception on certain compilers. Fixed by using a `NET_SOCKET_ADDR_IP` variable cast to `NET_SOCKET_ADDR_IP` when invoking `NetSock_Bind()`.

V1.90-003

String defines not always cast to `(CPU_CHAR *)` type, which could cause warning/error on certain compilers. Fixed by casting strings to `(CPU_CHAR *)`.

Version 1.89

N/A

Known Problems

Version 1.97.00

Version 1.96.01

Version 1.96

Version 1.95

Version 1.94

Version 1.93

Version 1.92

Version 1.91

Version 1.90

Version 1.89

N/A

Limitations

001

The `multipart/form-data` content type is not currently supported; the only content type supported is the default `application/x-www-form-urlencoded`. As a result, an HTML form will not transfer files to the server.

Contacts

Micrium

1290 Weston Road, Suite 306
Weston, FL 33326
USA

Phone: +1 954 217 2036

Fax: +1 954 217 2037

E-mail: Licensing@Micrium.com

Web: www.Micrium.com