

This document provides technical information about the EMU WAP Package. You will find this information useful if you wish to customize the user interface provided with the package. You should read this document in conjunction with the technical information and customization instructions for EMU Webmail.

If you have installed the EMU WAP Package successfully, your wapdata/ directory will have subdirectory called iface/wap/, containing the following files:

login.html, logout.html, msgindex.html, msgview.html, compose.html, folder.html, options.html, errors.html, conf.emu, lang.emu

These files serve similar functions to those in the standard EMU Webmail interface, except they have been designed specifically for use with WAP devices.

Although the first seven files have .html suffixes, they actually contain WML code. WML, which stands for Wireless Markup Language, is the language understood by browsers on WAP devices. WML is to a wireless browser what HTML is to a web browser.

If you wish to make significant changes to the interface, you will need to edit the WML code in the template files. An introduction to WML is beyond the scope of this document, but you can find more information on the web, including the following locations:

<http://www.phone.com/>
<http://wap.colorline.no/wap-faq/>
<http://www.wapforum.org/>

The conf.emu file:

The conf.emu file in the iface/wap/ directory consists of the standard settings for the EMU Webmail distribution, as well as a section labeled "WAP Specific Settings." In this section, you will find the following lines:

is_wap=true

This line tells the EMU program to run in WAP mode.

global_content_type=text/vnd.wap.wml

This line sets the MIME type for the files in the WAP interface to text/vnd.wap.wml.

chunk_messages=true

This line tells the EMU program to send email messages to the browser for viewing in multiple *chunks*, as opposed to all at once. This is necessary because most WAP phones have very limited memories. Many email messages are too long to be received and stored in their entirety by a WAP phone.

disable_userID=true

This prevents the EMU program from checking for a javascript timestamp in the login page.

chunk_size=500

This line specifies how large (in bytes) to make the chunks described above.

default_max_messages=5

This line specifies how many messages to include in a single page of a message folder. It is important to keep this number low, or else too much data may be sent to the WAP phone when the user views a folder index.

disable_waitscreen=true

This line prevents EMU program from trying to use an animated waitscreen during delays.

The lang.emu file:

The lang.emu file contains definitions of the various messages the EMU interface displays to the user. The messages specified in the standard lang.emu file are often verbose, and sometimes contain HTML formatting. On a WAP phone, however, succinctness is a high virtue, and HTML formatting causes compile errors. Therefore the conf.emu file in the WAP directory contains terse re-definitions of most of the EMU messages, with HTML formatting removed. You may wish to modify some of these messages to suit your users needs.

The lang.emu file included with the WAP Package also contains the following lines:

```
V_SentmailFolderPretext = SENT  
V_SentmailFolderFormat = %1
```

This specifies that all sent mail should be saved to a single folder called SENT (instead of to sent-mail-*mmm-yyyy*, which is the default for the web-based version of the EMU system).