

Customizing MailSite Express

The MailSite Express web-based mail client can be extensively customized for your site. This is useful for:

- ⇒ Personalizing the pages with information and logos which are specific to your site
- ⇒ Inserting banner advertisements into the interface pages
- ⇒ Translating the user interface into a different language

MailSite Express Files

MailSite Express files are installed in a folder named **express** in the MailSite home directory. For example:

- ⇒ **C:\Program Files\MailSite\express**

When customizing MailSite Express, you should first make a copy of the **express** directory and its contents, and make changes only to this new directory. Included in this folder is a **web** directory, which contains the following files:

File Name	Express Console Page
addressbook.asp	Address book page
attachdelete.asp	Page used for removing attachments from a new message
attachupload.asp	Page used to upload attachments for new messages
calendar.asp	Calendar page
cleanhtml.asp	Removes potentially harmful HTML from messages
clsfield.asp	Utility file used by clsupload.asp
clsupload.asp	Upload class. Requires MDAC
default.asp	Front page used to log in to the client
envelope.xsl	Converts headers for display
envelopesort.xsl	Sorts message headers
express.asp	Configuration file for frames in the interface
expresscfg.asp	MailSite Express configuration file
extshoot.asp	Troubleshooting utility
global.asa	Global event script
imap4.asp	Page that displays folders and message lists
imap4proclib.asp	Express procedure libraries
initialize.asp	Performs user authentication

localcfg.asp	Configuration file for language-specific options
loginerror.asp	Page shown after a failed login
mscomproclib.asp	Express procedure libraries
note.asp	Notes page
options.asp	Options page
pop3proclib.asp	Express procedure libraries
proclib.asp	Express procedure libraries
side.asp	Menu page displayed in left frame
smtp.asp	Message compose page
stylecfg.asp	Configuration file that defines style sheet options
task.asp	Tasks page
top.asp	Banner page displayed in the top frame
wireless.asp	Wireless email integration
languages/*.asp	Pages that define the text used for each language in the interface.
images/*.gif	Images used in the interface, including icons and buttons

HTML Files

Most MailSite Express files contain encrypted information that cannot be altered. However, several of these files include primarily HTML content and can be modified to customize them for your site. These files are:

- ⇒ **default.asp**
- ⇒ **express.asp**
- ⇒ **loginerror.asp**
- ⇒ **side.asp**
- ⇒ **stylecfg.asp**
- ⇒ **top.asp**

When customizing MailSite Express for your site, you will be working with these files to change the look and feel of the user interface.

Configuration Parameters

Among the MailSite Express files is **expresscfg.asp**, a configuration file that defines a variety of user interface characteristics. This file contains a series of parameter names and associated values. When customizing MailSite Express, edit this file to set the appropriate values for your site.

The following sections describe the parameters contained in **expresscfg.asp**, which is also commented to assist you while editing it.

Property	Description	Default
strApplicationName	Name of the webmail application, which is displayed in page titles and other locations	MailSite Express
tblHeadColor	Background color of table headings	#47b22e
tblSubHead1Color	Background color of table sub-headings, used in the Calendar page	#8037A3
tblHeadTxtColor	Color of text in table headings	#ffffff
tblSubHead1TxtColor	Color of text in table sub-headings, used in the Calendar page	#ffffff
tblBodyColor1	Background color of table entries	#eaeaea
tblBodyColor2	Background color of alternate table entries	#eaeaea
tblBodyTxtColor	Color of text in tables	#000000
strToDayHighlight	Color used to highlight current day in Calendar	#5cde60
strInMonthDayBG	Background color for days in current month in Calendar	#eaeaea
strOutMonthDayBG	Background color for days in next/previous month in Calendar	#c4c4c4
strDayViewGridBorder	Color of the border shown in the Calendar's day view	#cccccc
strDayViewGridBG	Background color of the table shown in the Calendar's day view	#ffffff
strDayViewGridBusy	Background color of events in the Calendar's day view	#eaeaea

Property	Description	Default
BodyColor	Body background color	#ffffff
LinkColor	Color of text links	#663399
BodyBGImage	Background image (leave blank for no background image)	(blank)
cntBodyColor	Background color of the body text area	#ffffff
CntWidth	Width of the body text area	650
CntBorder	Width of the border around body text area	0
bolUseImageButton	Setting this to true means that the buttons will look like the gif buttons used in previous versions of MailSite. It is difficult to get these looking correct in every browser so the default is to use browser standard buttons	false
MsgButtonColor	Color of the buttons in the message view screen (used only when image buttons are disabled)	#663399
MsgButtonTxtColor	Color of the text on the buttons in the message view screen (used only when image buttons are disabled)	#ffffff
DisabledTextColor	Disabled text	#808080
strDefaultDomain	Login domain (leave blank to allow login for all domains)	(blank)
StrHost	Hostname of the IMAP server	localhost
intIMAP4Port	Port of the IMAP server	143

Property	Description	Default
	(typically 143)	
StrOutHost	Hostname of the SMTP server	localhost
IntSMTPPort	Port of the SMTP server (typically 25)	25
BolAuthSMTP	Flag to enable/disable SMTP authentication	True
StrLogPath	Path to the MailSite log directory (leave blank to disable logging)	(blank)
intAttachLimit	Message attachment limit	5
bolChangePass	Flag to allow/prevent users to change their password	True
bolChangeForward	Flag to allow/prevent users to set mail forwarding	True
bolUseAutoRespond	Flag to allow/prevent users to set auto-reply features	True
bolMultiplePersonality	Flag to allow/prevent users to create multiple return addresses (personalities)	True
bolExternalMail	Flag to allow/prevent users to access remote external POP3 mailboxes	True
bolAllowFilters	Allow users to use filters. Ignored if bolEnableFeatureToggler = True	True
bolEnableFeatureToggler	Enable the feature toggler	False
bolDisableFeatureVisible	Disabled feature visible. Ignored if bolEnableFeatureToggler = False	True

Property	Description	Default
bolEnableFiltersLink	Add a side bar link to the filters options	False
bolEnableFiltersLinkInOptions	Add a link to the filters in the options section	True
bolAllowWireless	Allow users to use wireless features (ignored if bolEnableFeatureToggle = True)	True
bolEnableWirelessLink	Add a side bar link to the wireless options	True
bolEnableWirelessLinkInOptions	Add a link to wireless in the options section	True
strDefaultLanguage	The default language selected in the login page	English
bolChangeLanguage	Flag to allow/prevent users from selecting alternate languages	True
aryAvailLanguageName	List of available MailSite Express languages	(List of languages)
aryAvailLanguageCode	Two-character codes corresponding to the available languages	(List of language codes)
bolChangeRegion	Flag to allow/prevent users from changing regional settings	True
intSessionLength	Number of minutes of inactivity that causes a session to time out	20
strLogOutRedirect	Page displayed when the user logs out	default.asp
strDefaultTrash	Folder to which deleted messages are moved	Deleted Items

Property	Description	Default
bolDefaultDeleteToTrash	Default value for option to move deleted messages to the trash folder	True
bolChangeTrash	Flag to allow/prevent users to change the folder for deleted mail	True
bolEnableDestroySelected	Display the Destroy Selected button when trash folder is enabled	True
strDefaultSent	Folder in which copies of sent messages are stored	Sent Items
bolDefaultSaveOutgoing	Default value for option to save copies of sent messages to the Sent Items folder	False
bolChangeSent	Flag to allow/prevent users to change the folder for sent mail	True
strDefaultDraft	Folder in which draft messages are stored	Drafts
bolChangeDraft	Flag to allow/prevent users to change the folder for draft messages	True
strSendMsgFooter	Footer text to append to the message body of each sent message	(blank)
strCustomHeaderName	Name of a custom header inserted in each sent message	(blank)
strCustomHeaderValue	Value of a custom header	(blank)
bolIncludeBusiness	Flag to enable/disable business-related fields for address book entries	True

Property	Description	Default
aryAvailableFilteringGroups	List of available filtering groups. By default, these are the Preferred Senders, Blacklist and Whitelist	(List of groups)
StrTempDir	Directory in which temporary message data is stored	(Installation directory)

Feature Toggler Settings

A number of the features of Express listed above are optional. The feature toggler is enabled through item 11.8 in **expresscfg.asp bolEnableFeatureToggler**.

When 11.8 is enabled, it is also possible to set flags at Mailbox, Domain or Server level using properties named below. Flag value options:

- 1 Enable filters
- 2 Enable spell checker
- 4 Enable calendar, tasks and notes
- 8 Enable multiple personalities
- 16 Enable external mail

This allows the administrator to enable a feature for just a single mailbox, a whole domain, or the entire server. Note that you cannot override settings at a lower level. For example, if you enable the spell checker for a whole domain, you cannot disable it on a particular mailbox in that domain. In this situation you would want to enable the feature at a mailbox-level for all mailboxes.

To use the flags, add up the values of the features you wish to enable, then set the appropriate property to that value. For example, to enable the spell checker and external mail only for a domain, you would set the domain-level property to 18 (2 + 16).

The following properties can be inserted in the Registry or SQL database.

Property names:

- **Mailbox-level:** EnabledExpressFeatures
- **Domain-level:** EnabledMailboxExpressFeatures
- **Server-level:** EnabledMailboxExpressFeatures

Language Settings

In addition to the global configuration options defined in **expresscfg.asp**, MailSite Express includes settings that are specific to the language selected by the user. These include the user interface text displayed in the MailSite Express interface.



The configuration file `localcfg.asp` defines language-specific options for all available languages. For each of the languages supported by MailSite Express, this file contains the following setting:

<code>StrCPAlias</code>	Defines the character set used for the given language. In general, this value should not be modified.
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Within the **Express** directory, a **Language** directory contains an ASP file for each supported language that defines the user interface text used for that language in the MailSite Express interface. To change the text shown in the MailSite Express interface, simply edit these files to include your own content.

Language files are commented to indicate the interface text being defined. For example, in `english.asp`, which defines the English user interface, the following block of options define the menu labels shown in the left margin of MailSite Express:

```
'Side Navigation Bar  
lngNavInbox = "Inbox"  
lngNavCompose = "Compose"  
lngNavAddressBook = "Address Book"  
lngNavFolders = "Folders"  
lngNavOptions = "Options"  
lngNavLogOff = "Log Off"  
lngNavFilters = "Mail Filters"  
lngNavWireless = "wireless"
```

To change the labels shown in the MailSite Express menu simply enter new values for these options. Be sure to enclose each value in "double quotes".

Graphics

The MailSite Express pages include a variety of graphics, including button images, message icons, and MailSite logos. All of these graphics are stored in the `images` directory (and its language-specific subdirectories), and can be replaced with your own graphics to customize the pages for your site.

When adding your own graphics, you *must* use the same file names for your image files. These images need not be the same size as the default MailSite Express images, and will be displayed at their correct height and width.

Frame Layout

MailSite Express interface pages use a three-frame layout: the top frame includes the product logo, a left frame contains menu selections, and a center frame displays content. You can change this layout by modifying the frame layout settings in `express.asp`, which defines the size of the frames, their locations, and other values.

For example, to change the height of the top frame to 75 pixels, change the value of the `rows` attribute in the first `frameset` tag from 100 to 75:

```
<frameset rows="75,*" frameborder="0" border="0" framespacing="0">
```



**Worldwide
Headquarters**

Tel: +1-408-879-5600
Fax: +1-408-879-5610

www.mailsite.com

**European
Headquarters**

Tel: +44 (0) 113 383 0125
Fax: +44 (0) 113 383 0126

europa@mailsite.com



Inserting Banner Ads

A common customization is the insertion of banner advertisements in the MailSite Express interface pages. To insert banner ads at the top of each MailSite Express page, execute the following steps:

1. In `framecfg.asp`, eliminate the top frame by removing the first `frameset` tag and the `frame` tag for `ExpressTop`.
2. Create an HTML page that contains your banner ads (for example, `banner.html`).
3. Add an `include` directive in the MailSite Express pages `addressbook.asp`, `imap.asp`, `options.asp`, and `smtp.asp` that inserts your banner page code. For example:

```
<!--#include file="banner.html"-->
```

Adding Virtual Directory to IIS

To allow users to access your customized pages, you must add your MailSite Express directory as a virtual directory in an IIS web site. This is done automatically during MailSite Express installation. However, if you want to manually add the virtual directory to IIS, execute the following steps:

1. In the IIS Management Console, create a new virtual directory in the Default Web Site (or another existing site).
2. In the New Virtual Directory Wizard, select your new MailSite Express directory as the source directory.
3. Click the right mouse button on the new virtual directory in the Management Console and select **Properties**.
4. Once these changes have been made, go to your new MailSite Express directory and customize the files as needed.

Virtual Domains

You can add multiple instances of MailSite Express to your site that each use different configuration options and graphics. This means that you can host MailSite Express branded for virtual domains on your site. To create multiple instances of MailSite Express, create another copy of the **express** directory, and follow the above procedures for customizing options and adding the virtual directory to IIS.



**Worldwide
Headquarters**

Tel: +1-408-879-5600
Fax: +1-408-879-5610

www.mailsite.com

**European
Headquarters**

Tel: +44 (0) 113 383 0125
Fax: +44 (0) 113 383 0126

europa@mailsite.com