

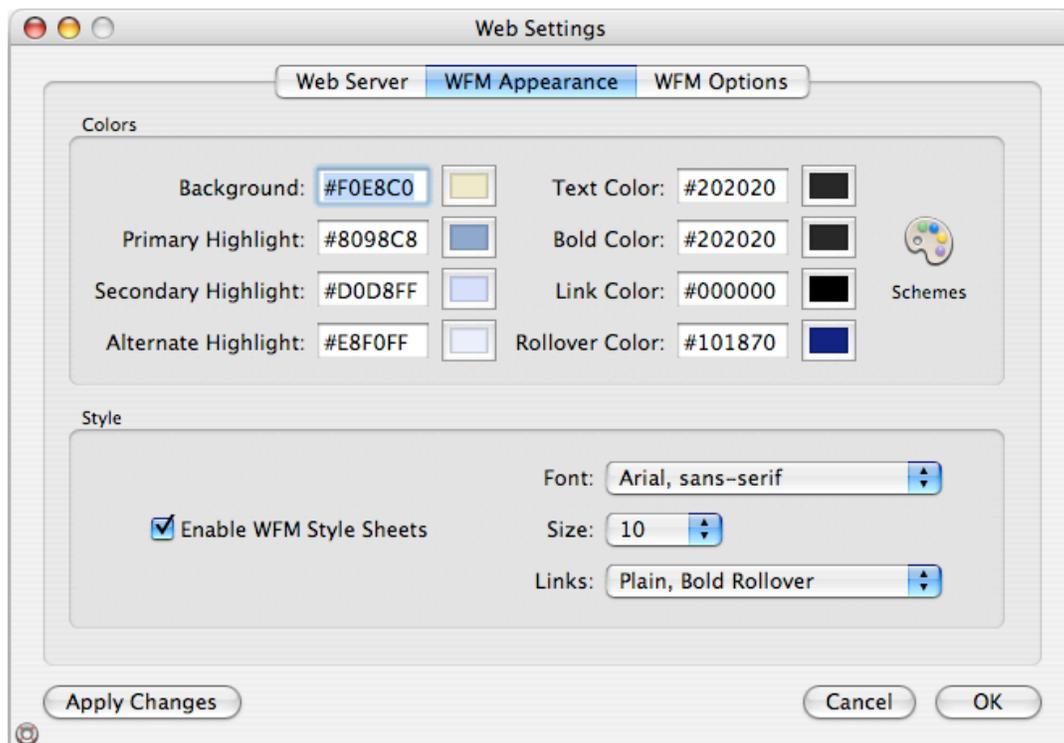
Customizing The Web File Manager

Use Rumpus' built-in WFM customization options, or design a whole new look yourself.

Soon after setting up file transfers using the Web File Manager, many administrators decide to customize the WFM interface to better integrate it with an existing Web site or to better reflect their company or organization. Rumpus offers two levels of customization, allowing you to select alternate colors, style sheets and features through simple controls in the control application or directly modifying the HTML template files to completely replace the WFM interface.

Customizing The Standard WFM Appearance

The easiest way to customize the Web File Manager is to use the standard WFM templates and the options presented on the “WFM Appearance” and “WFM Options” tabs of the “Web Settings” window. The WFM Appearance tab is shown below:



The WFM Appearance Tab

These options can be used with the default template to change display colors and text style. To change a color, click the “color well” next to each of the color option fields.

Background Color

The color used for the background of all WFM generated pages.

Primary Highlight Color

The primary highlight color used in the WFM pages as table backgrounds, borders, etc.

Secondary Highlight Color

The secondary highlight color, used in table cells and directory listing lines.

Alternate Highlight Color

The alternate highlight color, used primarily for alternating directory listing rows.

Text Color

The color assigned to normal text on WFM generated pages.

Bold Color

The color assigned to bold text (usually column headings) on WFM generated pages. Note that when using alternate templates, the bold color selection may need to be customized from the default created in some contrasting built-in color schemes.

Link Color

The color assigned to hyperlinked text on WFM generated pages.

Rollover Color

The color used for links, when the user’s mouse cursor moves over the link.

Color Schemes

Instead of choosing each color from scratch, numerous pre-made color schemes are available. When you click the “Schemes” button, a sheet will drop down allowing you to choose a scheme to use, as shown below. Color schemes are optimized for the default WFM template, and individual colors (especially the bold color) may need to be altered when used with alternate templates.



The Schemes Sheet

Note that you can start with any one of the available color schemes, and then modify each of the element colors individually to further customize the interface. The “Alternate Line Colors In Folder Listing” option determines whether file listings will be displayed with a solid background or alternating row colors.

Enable WFM Style Sheets

This option allows you to turn on or off style sheet support in the WFM. When disabled, Rumpus will exclude style information in WFM-generated pages, and Web browsers will display text in the user’s default font and size. When enabled, the “Font”, “Size” and “Links” options can be used to specify attributes for WFM text display.

Font

Since WFM pages will be displayed on a wide variety of browsers and systems, full control over fonts and text display is not possible. However, Rumpus does allow you to select among several Web-safe font options, which will provide a similar appearance on a wide variety of browsers and operating systems.

Size

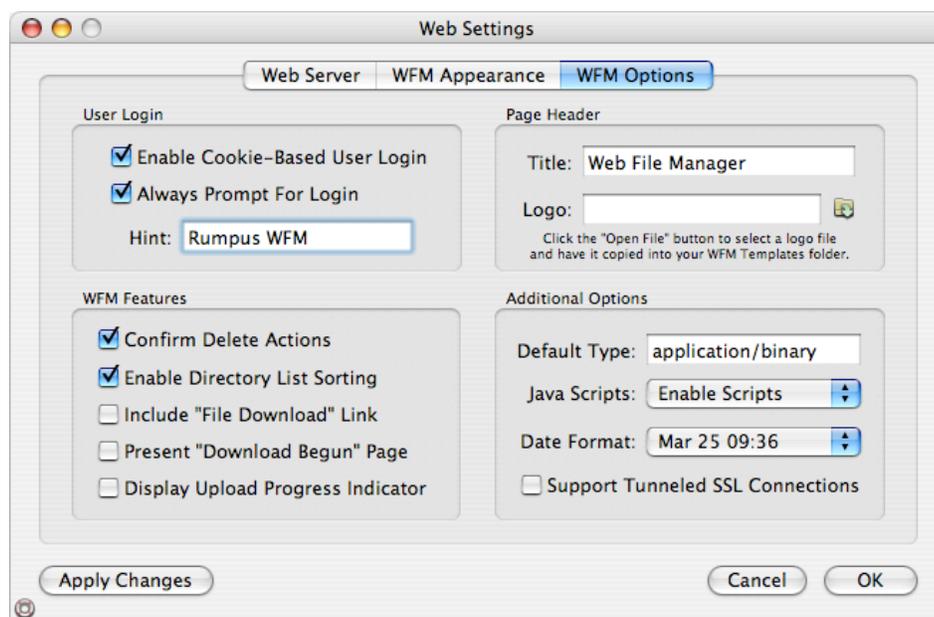
As with font selection, different systems will display fonts in slightly different relative sizes. So, while extremely small or large sizes are not recommended, this option allows you to choose a display font size that will result in a reasonable appearance in virtually any Web browser.

Links

This option allows you to select a slightly different appearance for the hypertext links in WFM pages, including file names in directory listings. The option also specifies a “rollover” effect, which changes the look of the link as the cursor moves over it. Rollover effects are useful in providing positive feedback for the user, clearly reflecting the link that is about to be clicked, though some people find them distracting. Fortunately, experimenting with the different options available in Rumpus is easy, and you can try each yourself to determine which is best for your site.

WFM Options

In addition to defining the look of the WFM with color and text display choices, numerous other features can be enabled or disabled to customize not only the appearance of the WFM, but also the features offered. These options can be set using the “WFM Options” tab, as shown below.



The WFM Options Tab

Each of the options on this tab are described on the “Web Settings” help page in the Rumpus application. For details, open the Web Settings window and click the help icon (the small life preserver in the lower left corner). Of course, it is easy to experiment with these options to see how they affect the WFM. With the server running, log in to the WFM from another computer on your network, or even from the Rumpus server itself, then experiment with different settings. Remember to click the “Apply Changes” button after making any change you would like to test, and use the reload button in your browser to see the effect of your change.

Using An Alternate Template

The Rumpus package includes several alternate templates, which can be used in place of the template installed with Rumpus by default. The easiest way to try any of these additional WFM looks is to open the “Web Settings” window, select the “Web Server” tab, and click the select folder button next to the “Templates Folder” field. When the standard file selection sheet drops down, select the template folder you would like to use. The alternate templates can each be found in their own folder in the “Extra WFM Templates” folder in the Rumpus package. Finally, click “Apply Changes” and then the “Reload Templates” button to tell the running Rumpus server you have made the change. If you already have a Web browser logged in to the server, a simple “reload” of the directory listing page will immediately display the alternate look.

The first alternate template, “Clean Look”, rearranges and combines several of the WFM areas, and uses a solid background for the directory listing display. When using this template, be sure to set the “Alternate Highlight” color to something different from, but complementary to, the “Secondary Highlight” color, as the alternate color is used to provide a row highlight as the user’s mouse cursor moves over entries in the directory listing. Also, some default text colors set using the built-in color schemes will not contrast with their background enough to be sufficiently visible. If some text appears faint or invisible, be sure to select a color for the “Text”, “Bold” and “Link” colors that will contrast with the chosen highlight colors.

The Clean Look template includes a “Comments” box, providing a space for users to include additional text when uploading files. This text can be passed on through an Upload Notice, as described in the “Accepting User Input” section of the “Web File Manager” article. To remove the comment box, open the “Listing.html” and “NoListing.html” files in a standard text editor and remove the TEXTAREA input field. HTML comments in these template files explain exactly what portions of the pages need to be removed.

A “Low Graphics” template, which is simply a copy of the default WFM template with most of the graphic elements replaced with text links, is also provided. This is a good template to use when minimizing server or network resources is more important than providing users with a fully stylized interface. The low graphics interface is still clean and straightforward, but can cut down noticeably on the number of “hits” your server (and network) needs to process.

The “Default With Comments” template is intended for those that wish to modify the template files by hand, or build a new template set from scratch. This template is identical in appearance to the standard WFM look, but the template HTML files include comments that explain how the Rumpus WFM tags are used to generate the Web interface. In other words, it’s a practical example/tutorial that will help you completely customize the WFM look. Note that if you use this template set (or a modified version of it), we recommend removing the comments once the template pages are moved to a production server. WFM template pages are heavily processed in real time, and removing the extensive comments will reduce both CPU and networking overhead when clients access the server.

Replacing The WFM Interface

The WFM interface is actually a series of standard HTML pages, embedded with special tags that tell Rumpus where to include dynamic information (such as folder listings). These pages can be edited, if you wish, to include help information, alter the WFM behavior, or to simply change the look of the WFM to better integrate with an existing Web site.

The WFM template pages are all stored in the "WFM Templates" folder. By default, this folder is created at "/usr/local/Rumpus/WFMTemplates/", but you can specify any location you like by selecting your template folder in the "Templates Folder" field on the "Web Server" tab of the "Web Settings" window. Be sure to review the "Default With Comments" template, as this example usually makes the best starting point for a custom system. The interface is fairly simple and is identical to the default template, but includes extensive HTML commenting that explains how the template files work in detail.

The template files that must be present in the template folder(s) are:

Listing.html

This is the primary interface page for the WFM. It displays folder listings, allows file uploads and downloads, includes the user account information, etc.

NoListing.html

Usually, this is a copy of the "Listing.html" page, with the folder listing section removed. It is displayed in place of the "Listing.html" page when the user does not have "View Directory" privileges for the current folder.

Message.html

Rumpus will have a number of occasions to display various status messages. This page is used for all simple cases where a message needs to be presented. For example, the "Upload Complete" message displayed after a file upload is sent using this page format.

NewFolder.html

This page is a simple form that allows the user to specify a folder name for folders to be created.

ConfirmDelete.html

When the "Confirm Deletes" option is enabled, this page is shown when the delete link is clicked.

Logout.html

When the “Logout” link is clicked, this page is sent to the browser.

AccessDenied.html

This is a short, simple message sent when a user is not allowed to access the system.

DownloadPage.html

The “DownloadPage” is displayed only when the “Download Links” option is enabled, and the user clicks the download link in the directory listing. In this case, this page is served instead of Rumpus delivering the requested file directly.

HelpPage.html

This page is used to provide WFM usage help to new users.

NewFolder.html

When the “Create Folder” link is clicked, this page is displayed, prompting the user to enter the name of the folder to be created.

UploadStarting.html

When progress indicator pop-up windows are enabled, this page is displayed in the pop-up window when initially opened. Upload statistics won’t be accurate until a reasonable portion of the uploaded file (64k or so) has been received, so this page is shown while the transfer begins.

UploadProgInd.html

This is the primary page displayed in the progress indicator pop-up window, and includes transfer statistics which are reloaded on regular intervals to let the user know the upload is proceeding.

UploadComplete.html

When a file upload completes, this page is displayed in the main browser window. When progress indicators are used, a javascript in this page closes the progress pop-up window.

For additional details on what each page does, see the “Default With Comments” template in the “Extra WFM Templates” folder.

Within template pages, a variety of tags are used to insert and process the content being presented. In other words, tags tell Rumpus where to place the directory listing itself, user information, and other variable content within the templates. These tags, which all begin with “WEBFILES”, fall into two categories: those that simply insert content into the template page, and those that conditionally include or exclude content as needed.

Insertion Tags

<WEBFILES_DATE>

Inserts the current date.

<WEBFILES_TIME>

Inserts the current time.

<WEBFILES_HEADER>

Inserts a dynamically created page header.

<WEBFILES_HOST>

Inserts the hostname used by the client to connect to the server.

<WEBFILES_LOGINLINK>

Inserts a link to the Rumpus login page.

<WEBFILES_LOGOUTLINK>

Inserts a link to the Rumpus logout page.

<WEBFILES_MESSAGE>

Primarily intended for use on the “message.html” template, inserts a status message.

<WEBFILES_PARENTDIR>

Inserts the path to the current folder.

<WEBFILES_PATH>

Inserts a formatted, hyperlinked path to the current folder.

<WEBFILES_THISFILENAME>

Inserts the name of the file being processed (for deletion, for example).

<WEBFILES_THISURL>

The URL currently being processed.

<WEBFILES_VAR VariableName>

Numerous configuration, user account, and file transfer variables are also available for inclusion in the page being sent to the browser. For example, to insert the font size chosen in Rumpus for text in the WFM, the token “<WEBFILES_VAR FileName>” would be used. The variables available are:

<i>BGColor</i>	The background color for WFM pages.
<i>TextColor</i>	The selected color for WFM text.
<i>LinkColor</i>	The text color for hypertext links.
<i>Hilite1</i>	The primary highlight color, as selected in the Rumpus control application.
<i>Hilite2</i>	The secondary highlight color, as selected in the Rumpus control application.
<i>Hilite3</i>	The alternate highlight color, as selected in the Rumpus control application, used for alternating lines in the file listing table.
<i>FontFace</i>	The WFM font, as selected in the Rumpus control application.
<i>FontSize</i>	The WFM font size, as selected in the Rumpus control application.
<i>LinkStyle</i>	The text style for hypertext links.
<i>HoverStyle</i>	The text style selected for use when the cursor moves over a hypertext link, such as a file name in the file listing.
<i>Title</i>	The WFM title, as specified in the Rumpus control application.

<i>Logo</i>	The logo filename, as specified in the Rumpus control application.
<i>Username</i>	The current user account name.
<i>UserLogins</i>	The number of times the current user account has been used to log in to the server.
<i>UserBytesUp</i>	The amount of raw data uploaded over the history of the current user account.
<i>UserBytesDown</i>	The amount of raw data downloaded over the history of the current user account.
<i>UserFilesUp</i>	The number of files uploaded over the history of the current user account.
<i>UserFilesDown</i>	The number of files downloaded over the history of the current user account.
<i>PIWindWidth</i>	For use in the ProgressIndicator page, a reasonable width for the progress indicator window based on the selected font size.
<i>PIWindHeight</i>	For use in the ProgressIndicator page, a reasonable height for the progress indicator window based on the selected font size.
<i>Filename</i>	For use in the ProgressIndicator page, the name of the file being transferred.
<i>FileSize</i>	For use in the ProgressIndicator page, the size of the file being transferred.
<i>PercentComplete</i>	For use in the ProgressIndicator page, the percentage of data transfer completed so far.
<i>Ratio300</i>	For use in the ProgressIndicator page, this value represents the completed file transfer amount as a value from 1 to 300.
<i>BytesSent</i>	For use in the ProgressIndicator page, the number of bytes sent so far in the current transfer.
<i>ElapsedTime</i>	For use in the ProgressIndicator page, the time elapsed since the transfer was started.
<i>EstimatedTime</i>	For use in the ProgressIndicator page, an approximation of the time remaining in the transfer based on the transfer rate achieved so far.

```
<WEBFILES_LIST_LM "TableControl1" "TableControl2" "DeleteText">
```

This tag is special. It may be used only once, and only on the "Listing.html" page. It inserts the folder listing for the current folder.

"TableControl1" and "TableControl2" are extra parameters that will be placed in the Table Row HTML command for each line of the folder listing. The extra formatting text will be inserted alternately on each line of the listing. These parameters are usually left blank, in which case Rumpus will automatically alternate row colors using the highlight color values specified in the Rumpus control application. A few special keywords are available for both the TableControl values. Either parameter may be set to "H1", "H2" or "H3" to have Rumpus use the Highlight1, Highlight2 or Highlight3 color values for the row background color. Alternatively, you may specify "MO" (Mouse Over) for both parameters, in which case Rumpus will set up the rows for the mouseover effect. In this case, the "Highlight2" color will be used as the background for each table row, but will change to "Highlight3" as the user's pointer moves over it.

The "DeleteText" parameter allows you to specify the text displayed in the "delete" link of folder listings. The default is "del", but the text can be changed to any word, or even an HTML image tag, up to 90 characters long.

If you prefer to have the directory listing displayed without the last modified date of each file and folder, remove the "_LM" portion of the tag, as in:

```
<WEBFILES_LIST "H2" "H3" "[ del ]">
```

Condition Tags

Condition tags include or exclude a block of text based on whether or not some condition is met. For example, the "WEBFILES_ANONYMOUS_USER" tag will include the specified text when the active user is logged in anonymously. The text included is specified between the tag itself and a matching end tag, which is the same as the opening tag, with the addition of a leading slash ("/").

```
<WEBFILES_ANONYMOUS_USER> ... </WEBFILES_ANONYMOUS_USER>
```

Include the specified text when the active user is logged in anonymously.

```
<WEBFILES_ANONYMOUS_WITH_ANY> ... </WEBFILES_ANONYMOUS_WITH_ANY>
```

Include the specified text when the anonymous user account permits login with any password (or none at all).

`<WEBFILES_ANONYMOUS_WITH_EMAIL> ... </WEBFILES_ANONYMOUS_WITH_EMAIL>`

Include the specified text when anonymous users may log in by specifying their e-mail address as the password.

`<WEBFILES_DIRSORT> ... </WEBFILES_DIRSORT>`

Include the specified text when directory sorting is enabled.

`<WEBFILES_DOWNLOADLINKS> ... </WEBFILES_DOWNLOADLINKS>`

Include the specified text when the download links option is enabled.

`<WEBFILES_JAVA_DISABLED> ... </WEBFILES_JAVA_DISABLED>`

Include the specified text when use of javascripts is disabled.

`<WEBFILES_JAVA_ENABLED> ... </WEBFILES_JAVA_ENABLED>`

Include the specified text when use of javascripts is enabled.

`<WEBFILES_NEW_FOLDER_LINK> ... </WEBFILES_NEW_FOLDER_LINK>`

Include the specified text when the user has permission to create new folders in the currently selected folder.

`<WEBFILES_PI_ENABLED> ... </WEBFILES_PI_ENABLED>`

Include the specified text when use of progress indicators is enabled.

`<WEBFILES_SECURE_USER> ... </WEBFILES_SECURE_USER>`

Include the specified text when the active user is logged in using a secure user account.

`<WEBFILES_STYLESHEET> ... </WEBFILES_STYLESHEET>`

Include the specified text when use of the style sheet is enabled.

`<WEBFILES_UPLOAD_FORM> ... </WEBFILES_UPLOAD_FORM>`

Include the specified text when the active user has permission to upload files to the currently selected folder.

The ability to modify the look of the WFM is an important feature of Rumpus's HTTP file management capability. However, the HTML formatting needs to remain consistent with the dynamic information inserted by Rumpus, or problems will occur. If you change the WFM template pages, be sure to start with the default files, and make small, incremental changes to the formatting. Also, remember to make frequent backups of your work, so that if something goes wrong you can return to a working template easily. When all else fails, you can always return to the samples included in the “Extra WFM Templates” folder in the Rumpus package.

Support For Multiple Virtual Domains

Additional folders can be added to support multiple domains on the same server by creating a sub-folder within the WFM Templates folder, named to match the domain name you would like to serve. For example, if DNS has been configured to give your server the names “primary.myorg.com” and “secondary.myorg.com”, you could create a folder called “secondary.myorg.com” within the main WFM Templates folder and copy another set of template files into it. Those files could then be customized individually, so that different WFM interfaces would be displayed for each of your server’s domain names.