

Development for Mozile 6.20+

Main Changes

1. New RSD Saving options.
 - 1.1. Save in any supported character set.

This works for save to local file and save via POST. Not implemented yet for webdav, but it should be easy enough to copy over the functions used by the POST routines.
Note that for save to dialog the data is converted back to UTF-16 before displaying
 - 1.2. Save with character, decimal or hex character entities.
 - 1.3. For XHTML files an option to add a space before the trailing slash of empty tags for HTML compatibility.
 - 1.4. Option to control if text/html files are saved with uppercase or lowercase tags.
2. Change to POST status feedback.
 - 2.1. New optional tag <display> may be used to display the message dialog when there isn't an error. You can also use it to suppress the display when there is an error.
 - 2.2. The message dialog now uses a textbox. This means you can, if you wish, use longer multi-line messages.
3. Mozile Page Info expanded
 - 3.1. Includes details of content type and charsets.
 - 3.2. New tabbed pages for Current configuration values, and RSD configuration values.

Note that the RSD configuration values include applied defaults. To check the actual RSD values you can click on the link to view the RSD file. Warning messages should be written to the Mozile debugger if you specify invalid RSD settings.
4. Injection of eDOM files.
 - 4.1. In version 6.20 and earlier the eDOM files could be loaded multiple times. This has always caused the Javascript error "Redeclaration of const SPCHARS in eDOM.js" but I think in earlier browser versions Mozile carried on working despite the error. In Firefox 1.04 (and possibly other versions) this Javascript error now stops Mozile from working. Maybe there is now stricter error handling in the browser or something, I don't really know. Anyway, Mozile seems to work much better when the files are only loaded once.

If anyone wants a quick patch for the current version 6.20 or earlier let me know.
[Looking at the Javascript Console there are an awful lot of not only warnings but errors created both by the browser and the extensions I have installed. The number of errors seems to increase with each new version of Firefox.]
5. Save dialog can be resized to allow for long HTTP save paths.
6. Removed mozIECE.js from the eDOM file load list in mozileConfiguration.js because I don't think anyone uses it.

Changed Files

Additions to Mozile 6.20

\skin\classic\	savemsg.js
\content\saving\	mozileSave.js mozileDataTransport.js
\content\main\	mozileConfiguration.js mozileDetection.js mozileCommands.js mozileSourceEdit.js
\content\xul\	savepost.js info.js info.xul savemsg.js savemsg.xul source.js
documents	PostSave05.htm
PHP test	updated test files

Miscellaneous Bug Notices

1. Commands menu sometimes locks and stops Mozile working.
2. Line breaks are created by eDOM but not always tidied up.
3. Spinning barber pole (POST saving) doesn't work on my version of Firefox (never has). I think this is a known Firefox bug on Windows.

RSD Save Options

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Date: 14 June 2005

Content: Save options for the RSD Configuration file.

Values

The values are not case sensitive unless specified.

Settings with **values in dark blue** can only have a single value.

Example: `<setting name="saveContent">page</setting>`

Settings with **values in red** can have one or more values as a comma separated list.

Example:

`<setting name="saveEntities">html40Latin1,html40Symbols,html40Special,mathML20</setting>`

Settings with values in normal black text means you have to insert appropriate text. Make sure you get this correct because Mozile has no way of guessing what the correct value should be if you specify an incorrect url, character set, etc.

If you don't specify a setting a default value is used. The default value may depend upon the **Content-type** of the document. (This is indicated by **green** text.) For a document requested from a server this is usually the Content-type specified in the HTTP headers. XML documents can also specify the encoding in the XML declaration. HTML and XHTML files might also specify the encoding via a meta tag, although this will usually be ignored because the HTTP header typically has a higher precedence. If you are editing a file from a local disk the extension of the file may influence how your file is handled. Look at the Mozile Page Info (from the "Mozile" drop down menu) to see the Content-type and encodings to check that the values are what you think they should be.

HTML files have a Content-type of "text/html".

XHTML files have a Content-type of "application/xhtml+xml".

Example Settings for a simple XHTML document using a Latin charset.

```
<setting name="saveCharset">document </setting>
<setting name="saveEntities">html40Latin1,html40Symbols,html40Special</setting>
<setting name="saveConversion">entityBeforeCharset,ignoreIgnorables,decimalNCR </setting>
<setting name="saveHTMLCompatibility">xhtml</setting>
```

This will save with the charset specified in the HTTP Content-type header for the document (e.g. ISO-8859-1). The standard HTML 4 character entities (such as £) are generated. The charset conversion then takes place. Any characters not in the target charset are replaced by a decimal numeric character reference. Bt setting the HTML compatibility to "xhtml" empty tags such as the break tag have a space inserted before the closing slash. i.e. `
`

RSD Setting	Include	Default	Values	
mes	optional	XHTML	url	Url of MES.
tagCSS	optional	XHTML	url	Url of CSS file for tag view mode.
pasteMode	optional	?	?	
saveMethod	required	display	display	Save to dialog.
			local	Save to local file.
			post	Save via HTTP POST.
			webdav	Save via Webdav.
saveContent	required	page	page	Save whole page.
			current	Save current editable area.
			current-ns	Save current editable area with XML namespaces.
httpSavePath	optional	none	save path	HTTP POST save path. Can be a relative or absolute url.
savePresetDisallow	optional	none	all	All presets are disabled.
			user	The user presets are disabled.
saveMethodDisallow	optional	none	display	Disable save to dialog.
			local	Disable save to local file.
			post	Disable save via HTTP POST.
			webdav	Disable save via Webdav.
saveContentDisallow	optional	none	page	Disable save of whole page.
			current	Disable save of current editable area.
			current-ns	Disable save of current editable area with namespaces.
httpSavePathModify	optional	true	true	HTTP POST save path can be modified.
			false	HTTP POST save path can not be modified.

RSD Setting	Include	Default	Values	
saveHTMLCompatibility	optional	XML/XHTML : xml HTML : xhtml		Option to save in HTML compatible format.
			xml	Save in standard XML format.
			xhtml	Save in XHTML Compatible format. Add a trailing space to empty tags. e.g convert to
			html (RESERVED)	Reserved for future expansion if anyone wants a strict HTML save format. (No trailing slash in empty tags, etc.)
saveHTMLCase	optional	HTML : lower XML/XHTML : N/A		Determines the case of tags during the save for text/html documents only.
			lower	All tags are converted to lower case.
			upper	All tags are converted to upper case.
saveCharset	optional	X/HTML : document Other : UTF-8	document	Save using the charset specified with the document.
			charset name	Save using the named charset.
saveEntities	optional	X/HTML: html40latin1, html40symbols, html40special XML: none		Specify which characters should be converted to entities. Refer to the section on character entities in the W3C HTML and MathML specifications for further details of character entities. Note that the following characters are always converted to entities: & to & ; < to < ; and > to >
			none	Don't convert any characters to entities.
			html40latin1	Convert Latin1 chars. (to ÿ)
			html40symbols	Convert W3C Greek, General Punctuation, Letterlike Symbols, Arrows, Mathematical Operators, Miscellaneous Technical characters.
			html40special	Convert General Punctuation characters.
			mathml20	Convert Mathematical Markup Language 2.0 entities.
			transliterate	Convert certain extended chars into Ascii equivalents. (e.g. Capital A with a circumflex accent to A^). Warning: you could end up with some '<' and '>' characters in the middle of your xhtml.

RSD Setting	Include	Default	Values	
saveConversion	optional	X/HTML: entitybeforecharset, ignoreignorables, decimalncr XML: none		Specify details for the charset and entity conversion. You can only include one option from each group.
		A	none	Don't create entities.
			entitybeforecharset	Create entities before converting to the save charset.
			entitiyaftercharset	Convert to the save charset, then create entities.
		B	nofallback	Ignore unknown characters that don't have text entity equivalents.
			questionmark	Replace unknown chars with a question mark.
			escapedunicode	Replace unknown chars with a string representing the Unicode hexadecimal value. E.g. \u03a9
			decimalncr	Replace unknown chars with a decimal numeric character reference. E.g. Ω
			hexncr	Replace unknown chars with hexadecimal numeric character reference. E.g. Ω
		C	charsetfallback	(?) If there is an invalid character, try and guess what the correct charset is and use this instead of the specified charset. (I think) UNTESTED
		D	ignoreignorables	(?) Ignore default ignorable code points. (I think this means Unicode characters above U010000.) UNTESTED