

WebHub Syntax Stage 2.12

(first implemented in WebHub v2.034 in May 2004)

Overview

As of syntax stage 2.0, WebHub has been enhanced to:

- i) organize W-HTML code in an XML compliant format by providing functional grouping of W-HTML code
- ii) make WebHub's generated code as xhtml compliant as possible
- iii) allow full visual design of dynamic WebHub pages using DreamWeaver MX 2004
- iv) enable visual design of parts of pages (now called droplets – formerly chunks)
- v) enable html sketches to communicate design ideas (prior to implementation in dynamic code)
- vi) provide built-in support for easy-to-manage human language translation of dynamic web page content
- vii) enable documentation (visible or hidden) to be associated with dynamic resources (files, pages, droplets, web actions etc)

WebHub App Configuration for Syntax Stage 2.12

Required App Defaults

ProjectSyntax=0212

(Note: WebHub uses syntax stage 1, unless a stage of 2 or greater is set in this app default).

Optional App Defaults

ProjectLingvo=human_language_code (xx or xxx)

Optional Session Variables (literals)

GuestLingvo=human_language_code (xx or xxx)

Dreamweaver WebHub Extension Configuration

After installing the WebHub Dreamweaver Manager Extension (for the first time), create a configuration file named *WebHubDWMgr.config* in the same folder as the DLL (*WebHubDWMgr.dll*). The configuration file must contain one section named *DynSrcList*, in which you define one or more aliases. The aliases point to the WebHub Application Server which will provide the dynamic content. In each WHITEKO file, you will reference at least one alias.

Example:

WebHubDWMgr.config ← configuration file located with *WebHubDWMgr.dll*

[DynSrcList]

ADSERVER=http://www.mydomain.com/scripts/runisa.dll?MYAPPID:RemoteDesign::

Top Level View of WebHub Syntax Stage 2.12

```
<whteko attr_list>                                     ← top level tag

  <whpage attr_list>                                     ← web page declaration
    <whprep>
      <whdesign>
        ...
      </whdesign>
      ...
    </whprep>
    <whoutput>
      <!DOCTYPE...>
      <html>
      <head>...</head>
      <body>
        ...
        <!-- hidden comment -->
        ...
        <whsketch attr_list>
          ...
        </whsketch>
        ...
        <whdoc attr_list>
          ...
        </whdoc>
        ...
        <whdesign>
          ...
        </whdesign>
        <whdroplet attr_list>                             ← part of a page
          ...
          [~..~]
          ...
        </whdroplet>
        ...
        <whremote>                                       ← content from secondary server
          ...
        </whremote>
        ...
        <whtranslation attr_list>                         ← part of a page and translatable
          ...
        </whtranslation>
        ...
      </body>
    </html>
  </whoutput>
</whpage>

<whmacros>                                             ← one-line server side includes
  ..=...
  ..=...
</whmacros>
<whtranslations attr_list>                             ← group of one-line translations
  ~..=...
  ~..=...
</whtranslations>

</whteko>
```

More Complete Example of WebHub Syntax Stage 2.12

```
<whteko
  designdynsrc="WH2"
  defaultlingvo="eng"
  designlingvo="eng"
  designpage="mypage"
  showdoc="no"
  showsketch="yes"
  notes="Sample WHTEKO file notes">

<whpage pageid="news" desc="latest news" remap="" exportfilename=""
defaultlingvo="eng">
<whprep>
<whdesign>
%=SET|username=Fred Jones=%
%=SET|account=12345=%
</whdesign>
%=waSecurity.execute=%<!-- validate username and account --->
</whprep>
<whoutput>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html>
<head>
<meta http-equiv="content-type" content="text/html; charset=iso-8859-1" />
<title>everything about the latest news</title>
<link rel="stylesheet" type="text/css" href="..." />
<link rel="stylesheet" type="text/css" href="..." />
</head>
<body>

<h1>Headline</h1>
%=waAction1.execute=%<!-- hidden comment --->
<whsketch for="waAction1" show="no">
Hello, world.
</whsketch>

<h2>[~Second Headline~]</h2>
<whtranslation key="content2">And now we discuss everything you need to
know about the second headline, including how it relates to money, religion
and politics.</whtranslation>
<whdroplet name="drTable">
<table id="tableid">
  <tr>
    <td>[~English 1A~]</td>
    <td>[~English 1B~]</td>
  </tr>
</table>
</whdroplet>
<h2>Another Headline</h2>
Table content repeats: %=drTable=%
<whremote dynsrc="WH3">
%=waAdvertisement.execute=%
</whremote>
</body>
</whoutput>
</whpage>
```

```
<whpage pageid="mypage2" desc="my design page" mode="scaffold">
<whdroplet name="drCopyright">
Copyright 2004 My Company
</whdroplet>
</whpage>
```

```
<whpage pageid="mypage3" desc="my translation page" mode="translation"
defaultlingvo="deu">
```

```
<whtranslation key="~content2" show="no">
```

Und jetzt besprechen wir alles, das Sie über die zweite Schlagzeile wissen müssen und mit einschließen, wie sie auf Geld, Religion und Politik bezieht.

```
</whtranslation>
```

```
<whtranslations>
```

```
~Second Headline=Schlagzeile
```

```
~English 1A=Deutsch 1A
```

```
~English 1B=Deutsch 1B
```

```
</whtranslations>
```

```
<whtranslation key="~content2" lingvo="fra" show="no">
```

Et maintenant nous discutons tout que vous devez savoir le deuxième titre, incluant comment il se relie à l'argent, à la religion et à la politique.

```
</whtranslation>
```

```
<whtranslations lingvo="fra">
```

```
~Second Headline=titre
```

```
~English 1A=Français 1A
```

```
~English 1B=Français 1B
```

```
</whtranslations>
```

```
</whpage>
```

```
</whteko>
```

WebHub Syntax Stage 2.12 - Tags and W-HTML

This section of documentation covers all new XML-based tags and new W-HTML for WebHub, giving full syntax details.

The tags (and W-HTML) are presented in order of priority, rather than alphabetically.

Summary

syntax stage 2.12	syntax stage 1	usage
<whteko>	<i>new</i>	always required - top level xml tag
<whpage>	<H1>-Page....	required for page declarations
<whdroplet>	<H1>-Chunk....	required for page part declarations
<whmacros>	<H1>-Macros....	required for macro definitions
<whtranslation>	<i>new</i>	optional - used with new translation feature
<whtranslations>	<i>new</i>	optional - used with new translation feature
<whprep>	<i>new</i>	optional - for organizing W-HTML
<whoutput>	<i>new</i>	optional - for organizing W-HTML
<whdesign>	<i>new</i>	optional - used during design only
<whdoc>	<i>new</i>	optional - used for documentation
<whsketch>	<i>new</i>	optional - used for html sketches
<whremote>	<i>new</i>	optional - used for secondary source dynamic content
<!--- --->	<i>new</i>	optional - used for hidden comments
[~ ... ~]	<i>new</i>	optional - used with new translation feature

WebHub Syntax Stage 2.12 - Tag nesting rules

The following tables show how the new WebHub tags are intended to nest within one-another.

Tag - stage 2.12	Valid child tag(s)
<whteko>	<whpage> <whdroplet> <whmacros> <whtranslation> <whtranslations> <whdoc>
<whpage>	<whdroplet> <whmacros> <whtranslation> <whtranslations> <whprep> <whoutput> <whdesign> <whdoc> <whsketch> <whremote>
<whdroplet>	<whtranslation> <whprep> <whdesign> <whdoc> <whsketch> <whremote>
<whmacros>	none
<whtranslation>	none
<whtranslations>	none
<whprep>	<whdroplet> <whmacros> <whtranslation> <whtranslations> <whdesign> <whdoc>
<whoutput>	<whdroplet> <whtranslation> <whdesign> <whdoc> <whsketch> <whremote>
<whdesign>	none
<whdoc>	none
<whsketch>	none
<whremote>	<whdoc> <whsketch>

<whteko>

Description

In an XML-based text file with a **.whteko** file extension, the *<whteko_tag>* is the top level tag that surrounds all declarations of WebHub pages and parts of pages. The attributes of the *<whteko_tag>* primarily affect situations where the webmaster is designing or proofreading, i.e. while in Macromedia Dreamweaver Design View, Dreamweaver "Preview-in-Browser" mode, or in the WebHub Admin Preview panel.

**In this document, we say "in Dreamweaver Design View" for brevity.

The *<whteko_tag>* is required exactly once in each WHTEKO file.

Category

content organization

Syntax

```
<whteko
  defaultdynsrc="my_dynsrc_alias"
  defaultlingvo="human_language_code"
  designlingvo="human_language_code"
  designpage="my_page"
  showdoc="yes" or "no"
  showsketch="yes" or "no"
  notes="my_notes">
</whteko>
```

Attributes

Attribute	Req/Opt	Default	Description
defaultdynsrc	Required (Dreamweaver only)		Alias for a remote WebHub Application Server as defined in Dreamweaver's WebHub Extension configuration file. This server is used by default as the source for all dynamic content within the design page.
defaultlingvo	Optional	""	default human language (expressed as a 2- or 3-character code from ISO 639-1 or ISO 639-2) which is used when a <i><whtranslation_tag></i> or its parent <i><whpage_tag></i> does not specify a lingvo
designlingvo	Optional	""	in Dreamweaver Design View*, this human language is used to display the contents of <i><whtranslation_tag></i> s (within the current designpage).
designpage	Optional	**first	in Dreamweaver Design View*, this is the page to be displayed for design . It defaults to the **first page identified in the <i><whteko_tag></i> .
showdoc	Optional	no	in <i>Dreamweaver Design View</i> , if yes, then show contents of whdoc sections (see also <i><whdoc_tag></i> for override)

Attribute	Req/Opt	Default	Description
showsketch	Optional	no	in <i>Dreamweaver Design View</i> , if yes, then show contents of whsketch sections (see also <whsketch_tag> for override)
notes	Optional	""	notes about the file as a whole

<whpage>

Description

This tag defines a WebHub **web page** which may (according to the mode attribute) be either displayed to site visitors or viewed only by the webmaster during design.

At least one <whpage_tag> is required in each WHTEKO file.

Category

dynamic resource

Syntax

```
<whpage
  pageid="my_page_id"
  desc="my_page_description"
  defaultlingvo="human_language_code"
  mode="design" or "live" or "scaffold"
  exportfilename="path\filename.html"
  remap="AppID:PageID(ServerID) ">
</whpage>
```

Attributes

Attribute	Req/Opt	Default	Description
pageid	Required		WebHub page identifier . For <i>live</i> pages, this must be unique within the project. For <i>design</i> and <i>scaffold</i> pages, this must be unique in the <whteko_tag>. The identifier must contain only letters and digits (and must start with a letter).
desc	Optional	""	page description, which is stored as the TWebPage.PageDesc property.
defaultlingvo	Optional	""	human language used for translation, if none other is specified.
mode	Optional	live	live (or ""), design or scaffold . (see Usage)
exportfilename	Optional	""	Filename to export the page to.
remap	Optional	""	Remap links to the page to the indicated WebHub AppID:PageID(ServerID) combination.

Usage

Selecting the appropriate page mode is an important decision. Only live pages may be called from a WebHub URL. Design pages are viewable in Dreamweaver Design View, and their mode should be changed to "live" when they are ready for use by site visitors. Scaffold pages are used to facilitate the display of <whdroplet_tag>s, <whmacros_tag>s and <whtranslation(s)_tag>s for proofreading. Scaffold pages are generally never changed to live mode. Even though a scaffold page itself cannot be called from a WebHub URL, its contained sections may be called from any WebHub web page.

<whdroplet>

Description

This tag defines part of a web page which is named and callable from any web page in the project.

See also: <whtranslation_tag>

Category

dynamic resource

Syntax

```
<whdroplet
```

```
  name="drMydropletName"
```

```
  show="yes" or "no">
```

```
</whdroplet>
```

← tip: start the name with a "dr" prefix

Attributes

Attribute	Req/Opt	Default	Description
name	Required		droplet identifier , starting with a letter and made of letters and digits.
show	Optional	yes	yes means declare the tag's contents as a droplet with name="drMyDropletName" and show as part of the page output no means declare the tag's contents as a droplet with name="drMyDropletName" but do not show as part of the page output. To show this droplet on a web page, use the WebHub syntax %=drMyDropletName=%.

<whmacros>

Description

This tag defines named, one-line part(s) of a web page which may be subsequently used via text-substitution syntax. These on-line parts are not translated.

Category

dynamic resource

Syntax

```
<whmacros>  
Key1=value1  
Key2=value2  
Key3=value3  
</whmacros>
```

Attributes

none

Usage

The *<whmacros_tag>* is typically used when a series of short definitions are to be made. To subsequently substitute the "value" portion in any WebHub web page, use this WebHub syntax: %=key1=%.

Example

```
<whteko lingvo="">  
<whmacros>  
mcImagePath=/images/lowres/  
mcWebmasterEMail=<a href="mailto:webmaster@mycompany.com">email us</a>  
</whmacros>  
  
<whpage pageid="my_page">  
...  
Interested? %=mcWebmasterEMail=%  
</whpage>  
</whteko>
```

<whtranslation>

Description

This tag defines part of a web page which is identified by a translation-key and is always translated according to the currently selected GuestLingvo literal and available stored translations matching the translation-key.

See also: <whdroplet_tag>

Category

dynamic resource

Syntax

```
<whtranslation
  key="~my_key"
  lingvo="human_language_code"
  show="yes" or "no">
</whtranslation>
```

Attributes

Attribute	Req/Opt	Default	Description
key	Required		translation-key , which must start with the ~ symbol
lingvo	Optional		the content of this <whtranslation_tag> is declared for this lingvo (human language); defaults to the lingvo of the parent page, else to the lingvo of the teko, else an error condition. When the translation-key is used on a webpage, then if the GuestLingvo literal matches this lingvo, the contents of this tag are used.
show	Optional	yes	yes means declare the tag's contents as a translation with translation-key = "~my_key", and show as part of the page output. no means declare (as above) but do not show as part of the page output.

Example

```
<whtranslation
  key="~Advertisement"
  lingvo="eng"
  show="no">
..content in selected human language ("eng" in this case) to be substituted
when key (%=~Advertisement=% in this case) is used on the web page...
</whtranslation>
```

<whtranslations>

Description

This tag defines one or more translations, each of which fit on a single line, each with a unique translation-key, and each in the same human-language.

Category

dynamic resource

Syntax

```
<whtranslations  
  lingvo="human_language_code">  
~key1=value1  
~key2=value2  
~key..N=value..N  
</whtranslations>
```

Attributes

Attribute	Req/Opt	Default	Description
lingvo	Optional		the contents of this tag are declared for this lingvo (human language); defaults to the lingvo of the parent page, else to the lingvo of the teko, else an error condition. When a contained translation-key (eg. ~key1) is used on a webpage, then if the GuestLingvo literal matches this lingvo, then the contents of this tag are used.

<whprep>

Description

Defines the section of a web page which consists of preparatory, non-visual actions, located before the HTML output begins.

Category

content organization

Syntax

```
<whprep>  
</whprep>
```

Attributes

none.

Usage

The *<whprep_tag>* is only used within the *<whpage_tag>* or *<whdroplet_tag>* and must precede the *<whoutput_tag>* if one is present and should not contain the *<DOCTYPE_tag>* nor *<HTML_tag>*.

Example

```
<whteko lingvo="">  
<whpage pageid="my_page">  
<whprep>  
%=waSecurity.execute=%  
</whprep>  
<whoutput>  
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"  
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">  
<html>  
<head>  
<title>my page title</title>  
</head>  
<body>  
hello, world  
</body>  
</html>  
</whoutput>  
</whpage>  
</whteko>
```

<whoutput>

Description

Defines the section of a web page which is output over http to the site visitor. The whoutput section should contain everything from <DOCTYPE_tag><HTML_tag> to </HTML_tag>.

See also: <whprep_tag>

Category

content organization

Syntax

```
<whoutput>  
</whoutput>
```

Attributes

none.

<whdesign>

Description

Defines a section of a page which is only used from Dreamweaver Design View or via the Remote Preview feature.

A *<whdesign_tag>* may be used inside a *<whprep_tag>* or inside a *<whoutput_tag>*, for preparatory code or visual elements respectively.

Category

content organization

Syntax

```
<whdesign>  
</whdesign>
```

Attributes

none.

Usage

The *<whdesign_tag>* is only used to identify actions or visual elements that are relevant to the webmaster during design. For example, the *<whdesign_tag>* might be placed around the setting of session variables such as username and account in order to trigger appropriate dynamic content.

Example

```
<whteko lingvo="">  
<whpage pageid="my_page">  
<whprep>  
%=waSecurity.execute=%  
<whdesign>  
%=SET|username=Member1=%  
%=SET|account=Company1=%  
</whdesign>  
</whprep>  
<whoutput>  
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"  
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">  
<html>  
<head>  
<title>my page title</title>  
</head>  
<body>  
hello, %=username=% from %=account=%  
</body>  
</html>  
</whoutput>  
</whpage>  
</whteko>
```

<whdoc>

Description

This tag contains **documentation** about a *page, droplet, translation* or *web-action component*. The contents may be shown or hidden.

Category

content description

Syntax

```
<whdoc  
  for="output_item_identifier"  
  show="inherit" or "yes" or "no">  
</whdoc>
```

Attributes

Attribute	Req/Opt	Default	Description
for	Optional	""	Name of the page, droplet, translation or web action component for which the documentation exists.
show	Optional	inherit	When ' inherit ', this attributes value equals the value of the showdoc attribute in the <i><whteko_tag></i> .

<whsketch>

Description

This tag contains a **sketch**, using HTML, of a part of a web page, and may be shown or hidden.

Category

content description

Syntax

```
<whsketch  
    for="output_item_identifier"  
    show="inherit" or "yes" or "no">  
</whsketch>
```

Attributes

Attribute	Req/Opt	Default	Description
for	Optional	""	Name of the page, droplet, translation or web action component for which the sketch exists.
show	Optional	inherit	When ' inherit ', this attribute's value equals the value of the showsketch attribute in the <whteko_tag>.

<whremote>

Description

This tag contains dynamic content obtained from a remote WebHub Application source that is "different from and supplementary to" the **designsrc** in the <whteko_tag>.

Category

dynamic content

Syntax

```
<whremote  
    dynsrc="dynsrc_alias">  
</whremote>
```

Attributes

Attribute	Req/Opt	Default	Description
dynsrc	Required		Alias for a remote WebHub Application Server as defined in Dreamweaver's WebHub Extension configuration file. This tag is not yet implemented outside of Dreamweaver.

Example

The following WHTML would display the output of a webaction component named "waAdvertisement" as defined in a remote WebHub Application which is accessed by using the connection details associated with the alias "ADSERVER".

```
<whremote dynsrc="ADSERVER">  
%=waAdvertisement.execute=%  
</whremote>
```

In the Dreamweaver WebHub Extension configuration file, an example definition for "ADSERVER" might be:

```
WebHubDWMgr.config ← configuration file located with WebHubDWMgr.dll  
[DynSrcList]  
ADSERVER=http://www.mydomain.com/scripts/runisa.dll?MYAPPID:RemoteDesign::
```

`<!-- -->`

Description

A comment which is hidden. WebHub fully and automatically removes the tag and its contents when the page is output for a site visitor.

Category

W-HTML

Syntax

```
<!--  
-->
```

Attributes

none

Example

`<!-- this text will not be included in the html page source sent to the site visitor -->`

	Req/Opt	Default	Description								
<p><!-- this is a normal html comment, and it will be included in the page source sent to the site visitor --></p> <p>[~ ... ~]</p> <p>Description</p> <p>A shortcut syntax for a <i><whtranslation_tag></i> (contents are always shown).</p> <p>Category</p> <p>dynamic resource</p> <p>Syntax (1 or 2 or 3)</p> <ol style="list-style-type: none"> [~key~] [~key~text to display~] [~key~lingvo ~text to display~] <p>Attributes</p> <table border="1"> <thead> <tr> <th>Attribute</th> <th>Req/Opt</th> <th>Default</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>key</td> <td>Required</td> <td></td> <td>identifier (translation-key) ; a leading ~ symbol is added automatically.</td> </tr> </tbody> </table>	Attribute	Req/Opt	Default	Description	key	Required		identifier (translation-key) ; a leading ~ symbol is added automatically.			
Attribute	Req/Opt	Default	Description								
key	Required		identifier (translation-key) ; a leading ~ symbol is added automatically.								

	Req/Opt	Default	Description								
<p><!-- this is a normal html comment, and it will be included in the page source sent to the site visitor --></p> <p>[~ ... ~]</p> <p>Description</p> <p>A shortcut syntax for a <i><whtranslation_tag></i> (contents are always shown).</p> <p>Category</p> <p>dynamic resource</p> <p>Syntax (1 or 2 or 3)</p> <ol style="list-style-type: none"> [~key~] [~key~text to display~] [~key~lingvo ~text to display~] <p>Attributes</p> <table border="1"> <thead> <tr> <th>Attribute</th> <th>Req/Opt</th> <th>Default</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>lingvo</td> <td>Optional</td> <td></td> <td>the content is declared for this lingvo; defaults to the lingvo of the parent page, else to the lingvo of the teko, else an</td> </tr> </tbody> </table>	Attribute	Req/Opt	Default	Description	lingvo	Optional		the content is declared for this lingvo; defaults to the lingvo of the parent page, else to the lingvo of the teko, else an			
Attribute	Req/Opt	Default	Description								
lingvo	Optional		the content is declared for this lingvo; defaults to the lingvo of the parent page, else to the lingvo of the teko, else an								

In syntax 1, the text (displayed and stored) is set equal to the key (but without any leading ~ symbol).

Example Syntax

1. `[~mykey~]`
2. `[~mykey~text to display~]`
3. `[~mykey~eng~text to display~]`

Syntax	Translation Key	Lingvo	Text
1	~mykey	inherited	mykey
2	~mykey	inherited	text to display
3	~mykey	eng	text to display

Version Notes:

Brief Synopsis of Changes since Syntax Stage 2.10

(NB: syntax 2.10 was never released to the public)

change folio to page, foliero to droplet, foliereto to macros

added <whtranslation_tag> and <whtranslations_tag>

added `<!-- hidden comment -->`

move attributes from <whdesign_tag> to <whteko_tag>

added <whdesign_tag> for use within prep and output sections

in whteko_tag, added notes attribute. change designfolio to designpage; delete designfoliero

in whpage_tag, changed name= to pageid=

changed lingvo="n/a" to lingvo=""

all droplet's automatically display, so do NOT call them after declaring them, or set the SHOW attribute to "no".

for declare and display translation short-cut syntax, change %~ ~% to [~ ~] pairs.

move 1-line translations to a <whtranslations_tag>

Brief Synopsis of Changes in Syntax Stage 2.12 compared with 2.11

AppDefault for ProjectSyntax is now 0212 whereas before it was 2.11

added a new tag: <whremote_tag>

added a new attribute "designdynsrc" to the <whteko_tag>

removed the "show" attribute from <whtranslations_tag> as this was not used

changed the Dreamweaver configuration file's main section name from [TekoResourceLocator] to [DynSrcList]

Syntax Highlight Color Summary

```
<whteko attr_list> #999999
  <whpage attr_list> #DC2300
    <whprep> #944794
      <whdesign>
        ...
      </whdesign>
    ...
  </whprep>
  <whoutput>
    <!-- hidden comment ---> #FF3366
    <whsketch attr_list> #9999CC
    </whsketch>
    <whdoc attr_list>
    </whdoc>
    <whdroplet attr_list> #99284C
      [~..~]
    </whdroplet>
    <whtranslation attr_list> #7DA647
    </whtranslation>
  </whoutput>
</whpage>

<whmacros> #996633
</whmacros>
<whremote> #996633
</whremote>
<whtranslations attr_list>
</whtranslations>

</whteko>
```

*** end ***