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# TwistyPlugin

A "twisty" is an interface toggle control to show and hide content.

TwistyPlugin gives you several options to control the appearance of a twisty:

- use link text or buttons
- position an icon left or right
- remember the state at the next visit of the page
- start the Twisty open or closed
- start the Twisty open or closed for the first visit
- use a span or div for the content
- set a class for the content span or div

Twisty has a fallback mechanism in case JavaScript is not available: all content is displayed and the control buttons are hidden.

## Usage examples

### Triad

A Twisty consists of 3 elements:

1. Show button
2. Hide button
3. Collapsing content ('Toggle')

The typical TwistyPlugin triad will look like this (pseudo code):

```
%TWISTYSHOW{}% %TWISTYHIDE{}%  
(there may be other things between buttons and content)  
%TWISTYTOGGLE{}% my content %ENDTWISTYTOGGLE%
```

### Shorthand

The Twisty triad is conveniently packed into shorthand `%TWISTY{some parameters}% Collapsing content %ENDTWISTY%`:

```
%TWISTY{}%  
my twisty content  
%ENDTWISTY%
```

Will generate:

More...Close my twisty content

You may have noticed that no parameters are passed to `%TWISTY{}%` but the show and hide links *do* have text! The default values are fetched from plugin settings `TWISTYSHOWLINK` and `TWISTYHIDELINK`, see Plugin Settings below.

### Twisty with icons

We will use `mode="div"` to put the collapsing content below the button (the default mode is "span").

```
%TWISTY{
mode="div"
showlink="Show..."
hidelink="Hide"
showimgleft="%ICONURLPATH{toggleopen-small}%"
hideimgleft="%ICONURLPATH{toggleclose-small}%"
}%
my twisty content
%ENDTWISTY%
```

It will look like this:

▢ Show... ▢ Hide  
my twisty content

To put icons at the right side, write

```
%TWISTY{
mode="div"
showlink="Show "
hidelink="Hide "
showimgright="%ICONURLPATH{toggleopen-small}%"
hideimgright="%ICONURLPATH{toggleclose-small}%"
}%
my twisty content
%ENDTWISTY%
```

Show ▢ Hide ▢  
my twisty content

## Make it remember

To store the last state in a FOSWIKIPREF cookie, add the parameter `remember="on"`.  
To test this, reload the page after toggling.

```
%TWISTY{
showlink="Show..."
hidelink="Hide"
remember="on"
}%
my twisty content
%ENDTWISTY%
```

Show...Hide my twisty content

If a Twisty state has been stored in a FOSWIKIPREF cookie before, it can be cleared by using `remember="off"`:

```
%TWISTY{
showlink="Show..."
hidelink="Hide"
remember="off"
}%
my twisty content
%ENDTWISTY%
```

Show...Hide my twisty content

**NOTE:** Twisty ids are generated automatically. If you need control over exactly *which* Twisty should be remembered, add the parameter `id`:

```
%TWISTY{
id="currentCustomerList"
showlink="Show..."
hidelink="Hide"
remember="on"
}%
my customer list
%ENDTWISTY%
```

Note that `id` sets a sitewide cookie. To create a unique id, add topic or web macros:

```
id="%WEB%_%TOPIC%_currentCustomerList"
```

## Make it obey

To let the Twisty start with its content folded open, add parameter `start="show"`.

```
%TWISTY{
showlink="Show..."
hidelink="Hide"
start="show"
}%
my twisty content
%ENDTWISTY%
```

Show...Hide my twisty content

Likewise use `start="hide"` to start with hidden content.

```
%TWISTY{
showlink="Show..."
hidelink="Hide"
start="hide"
}%
my twisty content
%ENDTWISTY%
```

Show...Hide my twisty content

## Make it obey only the first time

To let the Twisty start with its content folded open the first time the visitor sees the Twisty, add the parameter `firststart="show"`. If `remember="on"` is used, subsequential visits to the page will display the Twisty according the cookie setting.

```
%TWISTY{
showlink="Show..."
hidelink="Hide"
firststart="show"
}%
my twisty content
%ENDTWISTY%
```

Show...Hide my twisty content

## Other use: hide interface parts in case of no JavaScript

You can use Twisty to show interface elements that should only be visible with JavaScript enabled. For instance the textbox control buttons in the edit screen need JavaScript to work. If a visitor does not have

JavaScript on it would not make sense to show these buttons.

Put the "JavaScript content" in an almost bare bones Twisty. Write `showlink="" hidelink=""` to not display any default link texts.

```
%TWISTY{
link=""
noscript="hide"
start="show"
}%

```

Do not forget to set `start="show"` to show the Twisty content at all.

When JavaScript is off, the button should be invisible.

This code will show the button when JavaScript is off:

```
%TWISTY{
link=""
start="show"
}%

```

## Styling the Twisty

Use parameter `class` to style the content div or class:

```
%TWISTY{
mode="div"
showlink="Show..."
hidelink="Hide"
class="foswikiHelp"
}%
my twisty content
%ENDTWISTY%
```

Generates:

Show...Hide  
my twisty content

## Styling the Twisty link or button

Use parameter `linkclass` to style the twisty links:

```
%TWISTY{
mode="div"
showlink="Show..."
hidelink="Hide"
linkclass="foswikiButton"
}%
my twisty content
%ENDTWISTY%
```

Generates:

Other use: hide interface parts in case of no JavaScript

Show...Hide  
my twisty content

## Twisty headers

To be able to use header tags like `<h2>`, use the properties `prefix` and `suffix`. Because we have identical show and hide links we can use the shorthand property `link`.

```
%TWISTY{
  prefix="<h4>"
  mode="div"
  link="Twisty Header"
  showingleft="%ICONURLPATH{toggleopen}%"
  hideimgleft="%ICONURLPATH{toggleclose}%"
  suffix="</h4>"
}%
%GREEN% my twisty content %ENDCOLOR%
%ENDTWISTY%
```

Will create:

▢ **Twisty Header** ▢ **Twisty Header**

my twisty content

If you don't use images, there is an easier way to create a twisty header:

```
%TWISTY{
  mode="div"
  showlink="<h4>&#9658; Details</h4>"
  hidelink="<h4>&#9660; Details</h4>"
}%
%GREEN% my twisty content %ENDCOLOR%
%ENDTWISTY%
```

Will create:

**Details**

**Details**

my twisty content

## All on, all off

You can toggle all Twisties on or off at once by putting a link or button on the page with class `twistyExpandAll` or `twistyCollapseAll`.

```
<button class="twistyExpandAll foswikiButton">Expand all</button> &nbsp; <button class="twistyCollapseAll">Collapse all</button>
```

Creates these controls:

Expand all   Collapse all

When you want to use links, write:

```
#VarTOGGLE
```

Expand all Collapse all

If you use other macros inside TWISTY parameters chances are it will mess up the macro, or the rendered html. Use format tokens to 'delay' rendering of these variables until the Twisty parameters are parsed.

| Escape:           | Expands To:   |
|-------------------|---|
| \$n or \$n ()     | New line. Use \$n () if followed by alphanumeric character, e.g. write Foo\$n () Bar instead of Foo\$nBar |
| \$nop or \$nop () | Is a "no operation".  |
| \$quot            | Double quote (")  |
| \$percent         | Percent sign (%)  |
| \$dollar          | Dollar sign (\$)  |

```
link="%Y%"
```

```
link="%Y%"
```

▶ ☒ ☐ ☐ ☒

```
link="Count: (%CALC{"$GET(infoCount)"}%) "
```

```
link="Count: ($percentCALC{$quot$dollarGET(infoCount)$quot}$percent) "
```

## TWISTY

| Parameter | Value | Description                                | Remark   |
|-----------|-------|--|----------|
| id        |       | Used to link TWISTYBUTTON and TWISTYTOGGLE | optional |

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| Parameter    | Value             | Description   | Remark   |
|--------------|-------------------|---|--|
|              | Unique identifier |   |  |
| link         | Link label        | Link label for both show and hide links   | optional   |
| hidelink     | Link label        | Hide link label   | optional   |
| showlink     | Link label        | Show link label   | optional   |
| mode         | "div" or "span"   | Specify if the Twisty Toggle section will use a <div> or a <span> tag. Note that if the contents contains block elements such as div, mode should be div as well to create valid HTML markup.   | optional, defaults to <span>                                 |
| showimgleft  | Image url         | Specify the url of an image that will be displayed with the show link at the left side of the link.<br>You may use ICONURLPATH to display one of the DocumentGraphics icons. Alternatively use an image attached to the topic.  | optional, defaults to no image                               |
| hideimgleft  | Image url         | Specify the url of an image that will be displayed with the hide link at the left side of the link.<br>You may use ICONURLPATH to display one of the DocumentGraphics icons. Alternatively use an image attached to the topic.  | optional, defaults to no image                               |
| showimgright | Image url         | Specify the url of an image that will be displayed with the show link at the right side of the link.<br>You may use ICONURLPATH to display one of the DocumentGraphics icons. Alternatively use an image attached to the topic.   | optional, defaults to no image                               |
| hideimgright | Image url         | Specify the url of an image that will be displayed with the hide link at the right side of the link.<br>You may use ICONURLPATH to display one of the DocumentGraphics icons. Alternatively use an image attached to the topic.   | optional, defaults to no image                               |
| remember     | "on", "off"       | If "on", the Twisty state is remembered the next time the page is shown. If "off", the stored setting will be cleared.<br><b>Note:</b> when used, think carefully about a unique name (id) for the Twisty, otherwise the cookie that is set might affect other Twisties with the same name. Also note that only interaction is stored, not the state of the Twisty when left unclicked. | optional, no default   |
| start        | "hide" or "show"  | Initial state of the Twisty; this will override any setting stored in a cookie (see remember).  | optional, default no initial state                           |
| firststart   | "hide" or "show"  | Initial state of the Twisty the first time the visitor gets to see the Twisty; this will NOT override cookie settings (see remember).   | optional, default no initial state                           |
| noscript     | "hide"            | Make content hidden in case use does not have JavaScript on   | optional, default content is shown in case JavaScript if off |
| class        | CSS class name    | Class for Twisty div or span  | optional, default none                                       |
| linkclass    |                   | Class for link  |  |



| Parameter | Value          | Description  | Remark                         |
|-----------|----------------|--|--------------------------------|
|           | CSS class name |  | optional, default none         |
| prefix    | Text           | Text to display before the show/hide links   | optional, default none         |
| suffix    | Text           | Text to display after the show/hide links  | optional, default none         |
| img       | Image url      | Deprecated, use <code>showimgleft</code> , <code>hideimgleft</code> , <code>showimgright</code> or <code>hideimgright</code> . | optional, defaults to no image |
| imgleft   | Image url      | Deprecated, use <code>showimgleft</code> , <code>hideimgleft</code> , <code>showimgright</code> or <code>hideimgright</code> . | optional, defaults to no image |
| imgright  | Image url      | Deprecated, use <code>showimgleft</code> , <code>hideimgleft</code> , <code>showimgright</code> or <code>hideimgright</code> . | optional, defaults to no image |
| hideimg   | Image url      | Deprecated, use <code>showimgleft</code> , <code>hideimgleft</code> , <code>showimgright</code> or <code>hideimgright</code> . | optional, defaults to no image |
| showimg   | Image url      | Deprecated, use <code>showimgleft</code> , <code>hideimgleft</code> , <code>showimgright</code> or <code>hideimgright</code> . | optional, defaults to no image |

- Related TWISTYBUTTON and TWISTYTOGGLE

## ENDTWISTY

Twisty closure, complements the opening TWISTY tag.

- Syntax: `%ENDTWISTY%`

See ENDTWISTYTOGGLE.

## Twisty components syntax

Occasionally you might need to create a custom set of individual Twisty components:

## TWISTYBUTTON

**Shorthand version for TWISTYSHOW & TWISTYHIDE** This is useful if both the show and the hide button take the same arguments.

- Supported parameters: all parameters supported by TWISTY, except for `noscript` and `class` (only used for 'toggle' content)
- Parameter differences:
  - ◆ `mode`: button mode defaults to `span`
- Syntax: `%TWISTYBUTTON{id="myid" ... }%`
- Supported parameters:

| Parameter | Value    | Description  | Remark    |
|-----------|----------|--|-----------|
| mode      | "div" or | Specify if the <b>Twisty button</b> will use a <code>&lt;div&gt;</code> or a | optional, |

| Parameter | Value  | Description  | Remark             |
|-----------|--------|--|--------------------|
|           | "span" | <span> tag. Note that if the contents contains block elements such as div, mode should be div as well to create valid HTML markup. | defaults to <span> |

- Example: %TWISTYBUTTON{id="myid"  
link="more"}%%TWISTYTOGGLE{id="myid"}%content%ENDTWISTYTOGGLE%
- Related: TWISTYSHOW and TWISTYHIDE

## TWISTYSHOW

### Show/open link

- Syntax: %TWISTYSHOW{id="myid" ... }%
- Supported parameters:

| Parameter  | Value               | Description   | Remark                             |
|------------|---------------------|---|------------------------------------|
| id         | Unique identifier   | Used to link TWISTYSHOW, TWISTYHIDE and TWISTYTOGGLE  | required                           |
| link       | Link label          | Show link label   | optional                           |
| img        | Image url           | Specify the url of an image that will be displayed at the <b>right side</b> of the link.<br>You may use ICONURLPATH to display one of the DocumentGraphics icons. Alternatively use an image attached to the topic.   | optional, defaults to no image     |
| imgleft    | Image url           | Specify the url of an image that will be displayed at the left side of the link.<br>You may use ICONURLPATH to display one of the DocumentGraphics icons. Alternatively use an image attached to the topic.   | optional, defaults to no image     |
| imgright   | Image url           | Specify the url of an image that will be displayed at the right side of the link.<br>You may use ICONURLPATH to display one of the DocumentGraphics icons. Alternatively use an image attached to the topic.  | optional, defaults to no image     |
| remember   | "on",<br>"off"      | If "on", the Twisty state is remembered the next time the page is shown. If "off", the stored setting will be cleared.<br><b>Note:</b> when used, think carefully about a unique name (id) for the Twisty, otherwise the cookie that is set might affect other Twisties with the same name. Also note that only interaction is stored, not the state of the Twisty when left unclicked. | optional, no default               |
| start      | "hide" or<br>"show" | Initial state of the Twisty; this will override any setting stored in a cookie (see remember).  | optional, default no initial state |
| firststart | "hide" or<br>"show" | Initial state of the Twisty the first time the visitor gets to see the Twisty; this will NOT override cookie settings (see remember).   | optional, default no initial state |
| mode       | "div" or<br>"span"  | Specify if the Twisty Show link will use a <div> or a <span> tag. Note that if the contents contains block elements such as div, mode should be div as well to create valid HTML markup.  | optional, defaults to <span>       |

- Example: `%TWISTYSHOW{id="demo" link=" Click to Unfold " imgleft="%ICONURLPATH{toggleopen}%"}`
- Related: TWISTYHIDE and TWISTYTOGGLE

## TWISTYHIDE

### Hide/close link

- Syntax: `%TWISTYHIDE{id="myid" ... }%`
- Supported parameters:

| Parameter  | Value             | Description   | Remark                             |
|------------|-------------------|---|------------------------------------|
| id         | Unique identifier | Used to link TWISTYSHOW, TWISTYHIDE and TWISTYTOGGLE  | required                           |
| link       | Link label        | Hide link label   | optional                           |
| mode       | "div" or "span"   | Specify if the Twisty Hide link will use a <div> or a <span> tag. Note that if the contents contains block elements such as div, mode should be div as well to create valid HTML markup.  | optional, defaults to <span>       |
| img        | Image url         | Specify the url of an image that will be displayed at the <b>right side</b> of the link.<br>You may use ICONURLPATH to display one of the DocumentGraphics icons. Alternatively use an image attached to the topic.   | optional, defaults to no image     |
| remember   | "on", "off"       | If "on", the Twisty state is remembered the next time the page is shown. If "off", the stored setting will be cleared.<br><b>Note:</b> when used, think carefully about a unique name (id) for the Twisty, otherwise the cookie that is set might affect other Twisties with the same name. Also note that only interaction is stored, not the state of the Twisty when left unclicked. | optional, no default               |
| start      | "hide" or "show"  | Initial state of the Twisty; this will override any setting stored in a cookie (see remember).  | optional, default no initial state |
| firststart | "hide" or "show"  | Initial state of the Twisty the first time the visitor gets to see the Twisty; this will NOT override cookie settings (see remember).   | optional, default no initial state |

- Example: `%TWISTYHIDE{id="demo" link=" Click to Fold " imgleft="%ICONURLPATH{toggleclose}%"}`
- Related: TWISTYSHOW and TWISTYTOGGLE

## TWISTYTOGGLE

### Twisty Toggle contents section

- Syntax: `%TWISTYTOGGLE{id="myid"}%`
- Supported parameters:

| Parameter | Value             | Description   | Remark   |
|-----------|-------------------|---|----------|
| id        | Unique identifier | Used to link TWISTYSHOW, TWISTYHIDE and TWISTYTOGGLE. | required |
| mode      |                   |   |          |

| Parameter  | Value            | Description   | Remark  |
|------------|------------------|---|---|
|            | "div" or "span"  | Specify if the Twisty Toggle section will use a <div> or a <span> tag. Note that if the contents contains block elements such as div, mode should be div as well to create valid HTML markup.   | optional, defaults to <span>                          |
| class      | CSS class name   | Class for content div or span   | optional, default none                                |
| linkclass  | CSS class name   | Class for link  | optional, default none                                |
| remember   | "on", "off"      | If "on", the Twisty state is remembered the next time the page is shown. If "off", the stored setting will be cleared.<br><b>Note:</b> when used, think carefully about a unique name (id) for the Twisty, otherwise the cookie that is set might affect other Twisties with the same name. Also note that only interaction is stored, not the state of the Twisty when left unclicked. | optional, no default                                  |
| start      | "hide" or "show" | Initial state of the Twisty; this will override any setting stored in a cookie (see remember).  | optional, default no initial state                    |
| firststart | "hide" or "show" | Initial state of the Twisty the first time the visitor gets to see the Twisty; this will NOT override cookie settings (see remember).   | optional, default no initial state                    |
| noscript   | "hide"           | Make content hidden in case use does not have JavaScript on   | optional, default content is shown with no JavaScript |

- Example: `%TWISTYTOGGLE{id="demo" mode="div" remember="on"}%My content%ENDTWISTYTOGGLE%`
- Related: TWISTYHIDE, TWISTYHIDE an ENDTWISTYTOGGLE

## ENDTWISTYTOGGLE

### The Twisty closure

- Syntax: `%ENDTWISTYTOGGLE%`
  - ◆ Will end the most inner unclosed Twisty Toggle section, using the proper tag
- Example: `%ENDTWISTYTOGGLE%`
- Related: TWISTYTOGGLE

## Working with other Javascript libraries

If you want to use a different Javascript library than the default Foswiki Javascripts, add to the skin path:

- jquery to use JQuery
  - ◆ For example, append to the url: `?skin=jquery,nat` or write: `Set SKIN = jquery,nat`
  - ◆ For this, Foswiki:Extensions/JQueryPlugin needs to be installed
- dojo to use JQuery
  - ◆ For example, append to the url: `?skin=dojo,pattern` or write: `Set SKIN = dojo,pattern`
  - ◆ For this, Foswiki:Extensions/DojoToolkitContrib needs to be installed

## Plugin Settings

You can override some default settings in the plugin by setting the following preferences.

| Preference     | Meaning  | Default           |
|----------------|--|-------------------|
| TWISTYSHOWLINK | For example: <code>More . . .</code>   | More...           |
| TWISTYHIDELINK | For example: <code>Close</code>  | Close             |
| TWISTYMODE     | Either <code>div</code> or <code>span</code>   | <code>span</code> |
| TWISTYREMEMBER | Either <code>on</code> or <code>off</code> . If set to <code>on</code> all Twisty states will be stored in a FOSWIKIPREF cookie; if set to <code>off</code> the FOSWIKIPREF cookie will be cleared | not specified     |

## Plugin Installation Instructions

You do not need to install anything in the browser to use this extension. The following instructions are for the administrator who installs the extension on the server.

Open `configure`, and open the "Extensions" section. Use "Find More Extensions" to get a list of available extensions. Select "Install".

If you have any problems, or if the extension isn't available in `configure`, then you can still install manually from the command-line. See <http://foswiki.org/Support/ManuallyInstallingExtensions> for more help.

## Plugin Info

|                 |  |
|-----------------|--|
| Authors:        | Foswiki:Main.RafaelAlvarez, Foswiki:Main.MichaelDaum, Foswiki:Main.ArthurClemens   |
| Copyright       | Copyright (C) Rafael Alvarez; Michael Daum, Arthur Clemens   |
| License:        | GPL  |
| Version:        | 6281 (2010-02-12)  |
| Release:        | 1.5.4  |
| Change History: |  |
| 12 Feb 2010     | 1.5.4 Fixed jquery twisties, improved templates structure  |
| 02 Sep 2009     | 1.5.3 Add sequential number to the TWISTY id to allow more than one instance with that id on the page.   |
| 26 Aug 2009     | 1.5.2 Fix dependencies - jqueryPlugin and DojoToolkit? were ported to foswiki a while ago.   |
| 03 Dec 2008     | 1.5.1 Added parameter <code>linkclass</code> . Foswiki version.  |
| 27 Nov 2008     | 1.5 Foswiki release; added option to use other Javascript libraries.   |
| 08 Oct 2008     | 1.4.11, 1.4.12 It is now possible to have a twisty on the same line without a linebreak.   |
| 03 Aug 2008     | 1.4.10 TWiki 4.2.1 release version.  |
| 13 Dec 2007     | 1.4.9 fix to the loading order of javascript files in head.  |
| 24 Nov 2007     | 1.4.6 - 1.4.8 Arthur Clemens - Added format tokens.  |
| 07 Oct 2007     | 1.4.5 Arthur Clemens - Fix html tag with show/hide controls.   |
| 25 Sep 2007     | 1.4.4 Arthur Clemens - Fix rendering of headers when <code>prefix</code> is used.  |
| 11 Jul 2007     | 1.4.3 Arthur Clemens - Fix invalid html when <code>prefix</code> and <code>suffix</code> is used.  |
| 23 Jun 2007     | 1.4.2 Arthur Clemens - Fixed bugs with parameters <code>firststart</code> and <code>noscript</code> (since version 1.4).   |
| 20 Jun 2007     | 1.4 Arthur Clemens - Updated to work without ugly inserted javascript 'init' calls. This will change nothing to the functionality, but it will produce cleaner HTML, while at the same time the twisty is still set immediately (not at page onload) and graceful fallback in case of no javascript is maintained. |
| 19 Jun 2006     | 1.3 Arthur Clemens - Updated with TWiki 4 JavaScript files.  |

|               |   |
|---------------|---|
| 25 Oct 2006   | 1.2 New variables to set default values: TWISTYSHOWLINK, TWISTYHIDELINK, TWISTYMODE, TWISTYREMEMBER; property id is no longer required as this is automatically set (still recommended in some cases with remember="on"); property value remember="off" will clear a previously stored cookie; new properties prefix and suffix; JavaScript to collapse or expand all Twisties on the page. |
| 27 Sep 2006   | 1.101 Fixes JavaScript handling when AllowInlineScript in configure is not set  |
| 11 Jun 2006   | 1.100 Added parameters start, firststart, noscript and class; complete JavaScript rewrite for speed   |
| 12 Sep 2005   | 1.000 First Version   |
| Dependencies: | None  |
| Home:         | <a href="http://foswiki.org/Extensions/TwistyPlugin">http://foswiki.org/Extensions/TwistyPlugin</a>   |
| Support:      | <a href="http://foswiki.org/Support/TwistyPlugin">http://foswiki.org/Support/TwistyPlugin</a>   |

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Topic revision: r0 - 19 Nov 2007 - 16:59:16 - ProjectContributor

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