

# Table of Contents

<b>NotificationPlugin</b> .....	<b>1</b>
Syntax Rules.....	1
NTF variable.....	1
NTF examples.....	1
Description of NotifyList topics.....	1
Type of notifications.....	1
Immediate notifications.....	1
Regular notifications.....	2
Subtypes.....	2
NotificationPlugin Global Settings.....	2
TODO.....	2
Plugin Installation Instructions.....	2
Plugin History.....	3
Plugin Info.....	3

# NotificationPlugin

This plugin allows you to send fine grained notifications of topics you are interested in. It allows you to specify to kinds of notifications - immediate and regular. Immediate notifications are send every time somebody changed the requested topic, regular notifications are the same as default TWiki notifications, but allows better settings.

## Syntax Rules

You have to create topic `%Your_user_name%NotifyList` in **Main** web from template `NotificationPluginListTemplate`. Fill it with desired topics, webs and regexps and enjoy...

**Create Main.TWikiGuestNotifyList now!**

## NTF variable

For adding *fast switching* to notifications you can use `%NTF{ }%` variable:

You should add this variable to `view.tmpl` (you can use `view.tmpl` bundled in `NotificationPlugin.zip`). The buttons are JavaScript-ed so you need to have JavaScript enabled in your browser.

You can use these attributes in `%NTF{ }%` variable:

- `popup` - if displays button which opens new window with support of changing notifications
- `tin` - it displays button for changing 'Topic immediate notifications'
- `win` - it displays button for changing 'Web immediate notifications'
- `tn` - it displays button for changing 'Topic notifications'
- `wn` - it displays button for changing 'Web notifications'

Default values for all these attributes are "on". You can set it "off" to hide buttons.

## NTF examples

- `%NTF{ }%` - displays all four buttons
- `%NTF{win="off" wn="off"}%` - displays only buttons for topic immediate notification and regular topic notification

## Description of NotifyList topics

There are two types of notifications - immediate and regular.

### Type of notifications

#### Immediate notifications

This type of notifications is send immediatly after user change watched topic. This type of notification is send also in the case user use 'Don't notify' checkbox. This means that you can see ANY change which is made in selected topics or webs. But, on the other hand, this is also the best way to be spammed with many mails if you set immediate notification on whole webs if topics in this web are often changed. You have to decide when to use this type of notification.

## Regular notifications

This type of notifications is the default TWiki notification system. The problem with this type of notifications is when somebody use "Don't notify" option because notification is not send (what is logical :-)). But sometimes you want to know about every change in your topic and then the immediate notifications come into play...

## Subtypes

The syntax of setting a notification is with bullet TWiki list.

**Example:** If you put following line in "Topic immediate notifications" section when anybody change this topic you will get notification about the change:

- Main

If you want to set immediate notifications on web *TWiki* add this line under "Web immediate notifications":

- TWiki

If you want to set immediate notifications on all topics in web Test and topics which contains string 'Design' in the name add following line in "Regex immediate notifications":

- Test\..\*Design

## NotificationPlugin Global Settings

Plugin settings are stored as preferences variables. To reference a plugin setting write `%<plugin>_<setting>%`, i.e. `%INTERWIKIPLUGIN_SHORTDESCRIPTION%`

- One line description, is shown in the TextFormattingRules topic:
  - ◆ Set SHORTDESCRIPTION = This plugin allows you to send fine grained notifications of topics you are interested in
- Debug plugin: (See output in `data/debug.txt`)
  - ◆ Set DEBUG = 0
- Custom settings:
  - ◆ Set SENDER = TWiki CNAF Administrator <grid-operations@lists.cnaf.infn.it>

## TODO

- Add child notifications (setting an topic and get notifications of all its children)

## Plugin Installation Instructions

**Note:** You do not need to install anything on the browser to use this plugin. The following instructions are for the administrator who installs the plugin on the server where TWiki is running.

- Download the ZIP file from the Plugin web (see below)
- Unzip **NotificationPlugin.zip** in your twiki installation directory. Content:

File:	Description:
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<code>data/TWiki/NotificationPlugin.txt</code>	Plugin topic
<code>data/TWiki/NotificationPluginListTemplate.txt</code>	Template for NotifyList topics
<code>lib/TWiki/Plugins/NotificationPlugin.pm</code>	Plugin Perl module
<code>bin/mailnotify-NP</code>	Perl script for sending regular notifications (could be put in cron) You can rename it if you need old notifications
<code>bin/changenotify</code>	Perl script for changing notifications using NTF variable
<code>templates/htmlchanges.tmpl</code>	Template for generating HTML mails with notifications
<code>templates/view.NP.tmpl</code>	Template with example of using NTF variable

- (Dakar) Visit `configure` in your TWiki installation, and enable the plugin in the {Plugins} section.

## Plugin History

- Version - Nov 2009
  - ◆ Upgraded to work with TWiki 4.3.2 version
- Version 1.03
  - ◆ added SENDER variable
  - ◆ fixed bug with remaining `\n` and `\r` characters when parsing NotifyList topics
  - ◆ fixed many error log entries when notifications are generated
- Version 1.04
  - ◆ fixed bug when immediate notifications were send to people who had not set this type of notification
- Version 1.05
  - ◆ fixed error log entries generated on line 221; function `getScriptUrl` is now properly called with params (thanx NormProffitt)
- Version 1.1
  - ◆ added new functions for better handling of NotifyList topics
  - ◆ added support for fast setting notifications on every TWiki page (`view.tmpl`)
- Version 1.11
  - ◆ code substitution to remove trailing whitespace
  - ◆ bug-fix 'attr' to 'attrs' on line 519
- Version 1.12
  - ◆ fixed function `getUsersToNotify`
- Version 1.13
  - ◆ fixed bug in `mailnotify` script
- Version 1.14
  - ◆ added popup support for changing notifications (thanx KenGoldenberg 😊)
  - ◆ `mailnotify` script renamed to `mailnotify-NP`
    - ◇ you should create new cron job for regular notifications of NotificationPlugin

## Plugin Info

Plugin Author:	TWiki:Main/RichardBaar , TWiki:Main/SopanShewale ( Twiki, Inc. )
Plugin Release Date	27 Nov 2008
Change History:	
27 Nov 2009	Bugs:Item6247: Upgrade NotificationPlugin to latest version of TWiki 4.3.0
21 May 2007	Bugs:Item3969 - 8bit email fix (TWiki:Main.WillNorris )

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14 Jan 2004:	Initial version
24 Feb 2004:	Version 1.03 - added SENDER variable, bug-fixes
24 Feb 2004:	Version 1.04 - bug-fix of immediate notifications
25 Feb 2004:	Version 1.05 - bugfix
26 Apr 2004:	Version 1.1 - new functions; added support for fast setting notifications
28 Apr 2004:	Version 1.11 - bugfixes
28 Apr 2004:	Version 1.12 - bugfix
29 Apr 2004:	Version 1.13 - mailnotify script bugfix
11 May 2004:	Version 1.14 - popup support for changing notifications
CPAN Dependencies:	none
Other Dependencies:	none
Perl Version:	5.005
Plugin Home:	<a href="http://TWiki.org/cgi-bin/view/Plugins/NotificationPlugin">http://TWiki.org/cgi-bin/view/Plugins/NotificationPlugin</a>
Feedback:	<a href="http://TWiki.org/cgi-bin/view/Plugins/NotificationPluginDev">http://TWiki.org/cgi-bin/view/Plugins/NotificationPluginDev</a>

**Related Topics:** [TWikiPreferences](#), [TWikiPlugins](#)

- Thanks Twiki, Inc. for allowing time time upgrade to support on TWiki 4.3.2 version - [TWiki:Main/SopanShewale](#)
- Thanks to Systinet for sponsoring initial verion - [TWiki:Main/RichardBaar](#)

This topic: [TWiki > NotificationPlugin](#)

Topic revision: [r0](#) - 2009-11-27 - [TWikiContributor](#)



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Ideas, requests, problems regarding TWiki? Send feedback

**Note:** Please contribute updates to this topic on [TWiki.org](#) at [TWiki:TWiki.NotificationPlugin](#).