

The Trac Configuration File

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Trac is configured through the **trac.ini** file, located in the <projectenv>/conf directory. The trac.ini configuration file and its parent directory should be writable by the web server.

Trac monitors the timestamp of the file to trigger an environment reload when the timestamp changes. Most changes to the configuration will be reflected immediately, though changes to the [components] or [logging] sections will require restarting the web server. You may also need to restart the web server after creating a [global configuration](#) file when none was previously present.

Global Configuration

Configuration can be shared among environments using one or more global configuration files. Options in the global configuration will be merged with the environment-specific options, with local options overriding global options. The global configuration file is specified as follows:

```
[inherit]
file = /path/to/global/trac.ini
```

Multiple files can be specified using a comma-separated list.

Note that you can also specify a global option file when creating a new project, by adding the option `--inherit=/path/to/global/trac.ini` to [trac-admin](#)'s `initenv` command. If you specify `--inherit` but nevertheless intend to use a global option file with your new environment, you will have to go through the newly generated `conf/trac.ini` file and delete the entries that will otherwise override those in the global file.

There are two more options in the `[inherit]` section, `templates_dir` for sharing global templates and `plugins_dir`, for sharing plugins. Those options can be specified in the shared configuration file, and in fact, configuration files can even be chained if you specify another `[inherit]` file there.

Note that the templates found in the `templates/` directory of the [TracEnvironment](#) have precedence over those found in `[inherit] templates_dir`. In turn, the latter have precedence over the installed templates, so be careful about what you put there. Notably, if you override a default template, refresh your modifications when you upgrade to a new version of Trac. The preferred way to perform [TracInterfaceCustomization](#) is to write a custom plugin doing an appropriate `ITemplateStreamFilter` transformation.

Reference for settings

This is a reference of available configuration options, and their default settings.

Documentation improvements should be discussed on the [Trac-dev mailing list](#) or described in a [ticket](#). Even better, [submit a patch](#) against the docstrings in the code.

[attachment]

<u>max_size</u>	Maximum allowed file size (in bytes) for attachments.	262144
<u>max_zip_size</u>	Maximum allowed total size (in bytes) for an attachment list to be downloadable as a .zip. Set this to -1 to disable download as .zip. (since 1.0)	2097152
<u>render_unsafe_content</u>	Whether attachments should be rendered in the browser, or only made downloadable. Pretty much any file may be interpreted as HTML by the browser, which allows a malicious user to attach a file containing cross-site scripting attacks. For public sites where anonymous users can create attachments it is recommended to leave this option disabled.	disabled

[browser]

QUESTION	What is the difference between a <i>strong</i> and a <i>weak</i> acid?	1 mark
ANSWER	Strong acids are completely ionised in water, while weak acids are only partially ionised. Strong acids have a low pKa value, while weak acids have a high pKa value.	1 mark (100%)
QUESTION	What is the difference between a <i>strong</i> and a <i>weak</i> base?	1 mark
ANSWER	Strong bases are completely ionised in water, while weak bases are only partially ionised. Strong bases have a low pKb value, while weak bases have a high pKb value.	1 mark (100%)
QUESTION	What is the difference between a <i>strong</i> and a <i>weak</i> electrolyte?	1 mark
ANSWER	Strong electrolytes are completely ionised in water, while weak electrolytes are only partially ionised. Strong electrolytes have a low conductivity, while weak electrolytes have a high conductivity.	1 mark (100%)
QUESTION	What is the difference between a <i>strong</i> and a <i>weak</i> acid?	1 mark
ANSWER	Strong acids are completely ionised in water, while weak acids are only partially ionised. Strong acids have a low pKa value, while weak acids have a high pKa value.	1 mark (100%)
QUESTION	What is the difference between a <i>strong</i> and a <i>weak</i> base?	1 mark
ANSWER	Strong bases are completely ionised in water, while weak bases are only partially ionised. Strong bases have a low pKb value, while weak bases have a high pKb value.	1 mark (100%)
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ANSWER	Strong electrolytes are completely ionised in water, while weak electrolytes are only partially ionised. Strong electrolytes have a low conductivity, while weak electrolytes have a high conductivity.	1 mark (100%)
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ANSWER	Strong electrolytes are completely ionised in water, while weak electrolytes are only partially ionised. Strong electrolytes have a low conductivity, while weak electrolytes have a high conductivity.	1 mark (100%)

[changeset]

max_diff_bytes	Maximum total size in bytes of the modified files (their old size plus their new size) for which the changeset view will attempt to show the diffs inlined.	10000000
max_diff_files	Maximum number of modified files for which the changeset view will attempt to show the diffs inlined.	0
wiki_format_messages	Whether wiki formatting should be applied to changeset messages. If this option is disabled, changeset messages will be rendered as pre-formatted text.	enabled

[components]

This section is used to enable or disable components provided by plugins, as well as by Trac itself. The component to enable/disable is specified via the name of the option. Whether its enabled is determined by the option value; setting the value to enabled or on will enable the component, any other value (typically disabled or off) will disable the component.

The option name is either the fully qualified name of the components or the module/package prefix of the component. The former enables/disables a specific component, while the latter enables/disables any component in the specified package/module.

Consider the following configuration snippet:

```
[components]
trac.ticket.report.ReportModule = disabled
acct_mgr.* = enabled
```

The first option tells Trac to disable the [report module](#). The second option instructs Trac to enable all components in the acct_mgr package. Note that the trailing wildcard is required for module/package matching.

To view the list of active components, go to the *Plugins* page on *About Trac* (requires CONFIG_VIEW [permissions](#)).

See also: [TracPlugins](#)

[header_logo]

alt	Alternative text for the header logo.	(please configure the [header_logo] section in trac.ini)
height	Height of the header logo image in pixels.	-1
link	URL to link to, from the header logo.	(no default)
src	URL of the image to use as header logo. It can be absolute, server relative or relative. If relative, it is relative to one of the /chrome locations: site/your-logo.png if your-logo.png is located in the htdocs folder within your TracEnvironment ; common/your-logo.png if your-logo.png is located in the folder mapped to the htdocs location URL. Only specifying your-logo.png is equivalent to the latter.	site/your_project_logo.png
width	Width of the header logo image in pixels.	-1

[inherit]

[intertrac]

This section configures [InterTrac](#) prefixes. Options in this section whose name contain a . define aspects of the [InterTrac](#) prefix corresponding to the option name up to the .. Options whose name don't contain a . define an alias.

The .url is mandatory and is used for locating the other Trac. This can be a relative URL in case that Trac environment is located on the same server.

The .title information is used for providing a useful tooltip when moving the cursor over an [InterTrac](#) link.

Example configuration:

```
[intertrac]
# -- Example of setting up an alias:
t = trac

# -- Link to an external Trac:
trac.title = Edgewall's Trac for Trac
trac.url = http://trac.edgewall.org
```

[interwiki]

Every option in the [interwiki] section defines one [InterWiki](#) prefix. The option name defines the prefix. The option value defines the URL, optionally followed by a description separated from the URL by whitespace. Parametric URLs are supported as well.

Example:

```
[interwiki]
MeatBall = http://www.usemod.com/cgi-bin/mb.pl?
PEP = http://www.python.org/peps/pep-$1.html Python Enhancement Proposal $1
tsvn = tsvn: Interact with TortoiseSvn
```

[logging]

log_file	If log_type is file, this should be a path to the log-file. Relative paths are resolved relative to the log directory of the environment.	trac.log
log_format	Custom logging format. If nothing is set, the following will be used: <pre>Trac[%(module)s] %(levelname)s: %(message)s</pre> In addition to regular key names supported by the Python logger library one could use: \$(path)s the path for the current environment \$(basename)s the last path component of the current environment \$(project)s the project name Note the usage of \$(...)s instead of %(...)s as the latter form would be interpreted by the ConfigParser itself. Example: \$(thread)d <pre>Trac[\$(basename)s:\$(module)s] \$(levelname)s: %(message)s</pre>	(no default)
log_level	Level of verbosity in log. Should be one of (CRITICAL, ERROR, WARNING, INFO, DEBUG).	DEBUG
log_type	Logging facility to use. Should be one of (none, file, stderr, syslog, winlog).	none

[mainnav]

Configures the main navigation bar, which by default contains *Wiki*, *Timeline*, *Roadmap*, *Browse Source*, *View Tickets*, *New Ticket*, *Search* and *Admin*.

The `label`, `href`, and `order` attributes can be specified. Entries can be disabled by setting the value of the navigation item to `disabled`.

The following example renames the link to [WikiStart](#) to *Home*, links the *View Tickets* entry to a specific report and disables the *Search* entry.

```
[mainnav]
wiki.label = Home
tickets.href = /report/24
search = disabled
```

See [TracNavigation](#) for more details.

[metanav]

Configures the meta navigation entries, which by default are *Login*, *Logout*, *Preferences*, *Help/Guide* and *About Trac*. The allowed attributes are the same as for `[mainnav]`. Additionally, a special entry is supported - `logout.redirect` is the page the user sees after hitting the logout button. For example:

```
[metanav]
logout.redirect = wiki/Logout
```

See [TracNavigation](#) for more details.

[milestone]

default_group_by	Default field to use for grouping tickets in the grouped progress bar. (<i>since 1.2</i>)	component
default_retarget_to	Default milestone to which tickets are retargeted when closing or deleting a milestone. (<i>since 1.1.2</i>)	(no default)
stats_provider	Name of the component implementing <code>ITicketGroupStatsProvider</code> , which is used to collect statistics on groups of tickets for display in the milestone views.	<code>DefaultTicketGroupStatsProvider</code>

[milestone-groups]

As the workflow for tickets is now configurable, there can be many ticket states, and simply displaying closed tickets vs. all the others is maybe not appropriate in all cases. This section enables one to easily create *groups* of states that will be shown in different colors in the milestone progress bar.

Note that the groups can only be based on the ticket *status*, nothing else. In particular, it's not possible to distinguish between different closed tickets based on the *resolution*.

Example configuration with three groups, *closed*, *new* and *active* (the default only has closed and active):

```
# the 'closed' group correspond to the 'closed' tickets
closed = closed

# .order: sequence number in the progress bar
closed.order = 0

# .query_args: optional parameters for the corresponding
#               query. In this example, the changes from the
#               default are two additional columns ('created' and
#               'modified'), and sorting is done on 'created'.
closed.query_args = group=resolution,order=time,col=id,col=summary,col=owner,col=type,col=priority,col=component,col=severity

# .overall_completion: indicates groups that count for overall
```

```
# completion percentage
closed.overall_completion = true

new = new
new.order = 1
new.css_class = new
new.label = new

# Note: one catch-all group for other statuses is allowed
active = *
active.order = 2

# .css_class: CSS class for this interval
active.css_class = open

# .label: displayed label for this group
active.label = in progress
```

The definition consists in a comma-separated list of accepted status. Also, '*' means any status and could be used to associate all remaining states to one catch-all group.

The CSS class can be one of: new (yellow), open (no color) or closed (green). Other styles can easily be added using custom CSS rule: `table.progress td.<class> { background: <color> }` to a [site/style.css](#) file for example.

[mimeviewer]

max_preview_size	Maximum file size for HTML preview.	262144
mime_map	List of additional MIME types and keyword mappings. Mappings are comma-separated, and for each MIME type, there's a colon (":") separated list of associated keywords or file extensions.	text/x-dylan:dylan, text/x-idl:ice, text/x-ada:ada
mime_map_patterns	List of additional MIME types associated to filename patterns. Mappings are comma-separated, and each mapping consists of a MIME type and a Python regexp used for matching filenames, separated by a colon (":"). (since 1.0)	text/plain:README(?!\.rst) INSTALL(?!\.rst) COPYING
pygments_default_style	The default style to use for Pygments syntax highlighting.	trac
pygments_modes	List of additional MIME types known by Pygments. For each, a tuple <code>mimetype:mode:quality</code> has to be specified, where <code>mimetype</code> is the MIME type, <code>mode</code> is the corresponding Pygments mode to be used for the conversion and <code>quality</code> is the quality ratio associated to this conversion. That can also be used to override the default quality ratio used by the Pygments render.	(no default)
tab_width	Displayed tab width in file preview.	8
treat_as_binary	Comma-separated list of MIME types that should be treated as binary data.	application/octet-stream,application/pdf,application/zip

[notification]



[notification-subscriber]

The notifications subscriptions are controlled by plugins. All `INotificationSubscriber` components are in charge. These components may allow to be configured via this section in the `trac.ini` file.

See [TracNotification](#) for more details.

Available subscribers:

Subscriber	Description
<code>AlwaysEmailSubscriber</code>	
<code>CarbonCopySubscriber</code>	Ticket that I'm listed in the CC field is modified
<code>TicketOwnerSubscriber</code>	Ticket that I own is created or modified
<code>TicketPreviousUpdatersSubscriber</code>	Ticket that I previously updated is modified
<code>TicketReporterSubscriber</code>	Ticket that I reported is modified
<code>TicketUpdaterSubscriber</code>	I update a ticket

[project]

admin	E-Mail address of the project's administrator.	(no default)
admin.trac.url	Base URL of a Trac instance where errors in this Trac should be reported. This can be an absolute or relative URL, or '' to reference this Trac instance. An empty value will disable the reporting buttons.	
descr	Short description of the project.	My example project
footer	Page footer text (right-aligned).	Visit the Trac open source project at http://trac.edgewall.org/
icon	URL of the icon of the project.	common/trac.ico
name	Name of the project.	My Project
url	URL of the main project web site, usually the website in which the base_url resides. This is used in notification e-mails.	(no default)

[pygments-lexer]

Configure Pygments [lexer](#) options.

For example, to set the [PhpLexer](#) options `startinline` and `funcnamehighlighting`:

```
[pygments-lexer]
php.startinline = True
php.funcnamehighlighting = True
```

The lexer name is derived from the class name, with `Lexer` stripped from the end. The lexer *short names* can also be used in place of the lexer name.

[query]

default_anonymous_query	The default query for anonymous users. The query is either in query language syntax, or a URL query string starting with <code>?</code> as used in query: Trac links .	<code>status!=closed&cc=~\$USER</code>
default_query	The default query for authenticated users. The query is either in query language syntax, or a URL query string starting with <code>?</code> as used in query: Trac links .	<code>status!=closed&owner=\$USER</code>
items_per_page	Number of tickets displayed per page in ticket queries, by default.	100
ticketlink_query	The base query to be used when linkifying values of ticket fields. The query is a URL query string starting with <code>?</code> as used in query: Trac links . (since 0.12)	<code>?status!=closed</code>

[report]

items_per_page	Number of tickets displayed per page in ticket reports, by default.	100
items_per_page_rss	Number of tickets displayed in the rss feeds for reports.	0

[repositories]

One of the alternatives for registering new repositories is to populate the `[repositories]` section of the `trac.ini`.

This is especially suited for setting up convenience aliases, short-lived repositories, or during the initial phases of an installation.

See [TracRepositoryAdmin](#) for details about the format adopted for this section and the rest of that page for the other alternatives.

(since 0.12)

[revisionlog]

default_log_limit	Default value for the limit argument in the TracRevisionLog .	100
graph_colors	Comma-separated list of colors to use for the TracRevisionLog graph display. (since 1.0)	<code>#cc0, #0c0, #0cc, #00c, #c0c, #c00</code>

[roadmap]

stats_provider	Name of the component implementing <code>ITicketGroupStatsProvider</code> , which is used to collect statistics on groups of tickets for display in the roadmap views.	<code>DefaultTicketGroupStatsProvider</code>
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[search]

default_disabled_filters	Specifies which search filters should be disabled by default on the search page. This will also restrict the filters for the quick search function. The filter names defined by default components are: <code>wiki</code> , <code>ticket</code> , <code>milestone</code> and <code>changeset</code> . For plugins, look for their implementation of the <code>ISearchSource</code> interface, in the <code>get_search_filters()</code> method, the first member of returned tuple. Once disabled, search filters can still be manually enabled by the user on the search page. <i>(since 0.12)</i>	(no default)
min_query_length	Minimum length of query string allowed when performing a search.	3

[sqlite]

extensions	Paths to sqlite extensions . The paths may be absolute or relative to the Trac environment. <i>(since 0.12)</i>	(no default)
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[svn]

authz_file	The path to the Subversion authorization (authz) file . To enable authz permission checking, the <code>AuthzSourcePolicy</code> permission policy must be added to <code>[trac] permission_policies</code> . Non-absolute paths are relative to the Environment conf directory.	(no default)
authz_module_name	The module prefix used in the <code>authz_file</code> for the default repository. If left empty, the global section is used.	(no default)

[ticket]

allowed_empty_fields	Comma-separated list of select fields that can have an empty value. <i>(since 1.1.2)</i>	<code>milestone, version</code>
default_cc	Default cc: list for newly created tickets.	(no default)
default_component	Default component for newly created tickets.	(no default)
default_description	Default description for newly created tickets.	(no default)
default_keywords	Default keywords for newly created tickets.	(no default)
default_milestone	Default milestone for newly created tickets.	(no default)
default_owner	Default owner for newly created tickets.	<code>< default ></code>
default_priority	Default priority for newly created tickets.	<code>major</code>
default_resolution	Default resolution for resolving (closing) tickets.	<code>fixed</code>
default_severity	Default severity for newly created tickets.	(no default)
default_summary	Default summary (title) for newly created tickets.	(no default)
default_type	Default type for newly created tickets.	<code>defect</code>
default_version	Default version for newly created tickets.	(no default)
max_comment_size	Maximum allowed comment size in characters.	262144
max_description_size	Maximum allowed description size in characters.	262144
max_summary_size	Maximum allowed summary size in characters. <i>(since 1.0.2)</i>	262144
preserve_newlines	Whether Wiki formatter should respect the new lines present in the Wiki text. If set to 'default', this is equivalent to 'yes' for new environments but keeps the old behavior for upgraded environments (i.e. 'no').	default
restrict_owner	Make the owner field of tickets use a drop-down menu. Be sure to understand the performance implications before activating this option. See Assign-to as Drop-Down List . Please note that e-mail addresses are not obfuscated in the resulting drop-down menu, so this option should not be used if e-mail addresses must remain protected.	disabled
workflow	Ordered list of workflow controllers to use for ticket actions.	<code>ConfigurableTicketWorkflow</code>

[ticket-custom]

In this section, you can define additional fields for tickets. See [TracTicketsCustomFields](#) for more details.

[ticket-workflow]

The workflow for tickets is controlled by plugins. By default, there's only a `ConfigurableTicketWorkflow` component in charge. That component allows the workflow to be configured via this section in the `trac.ini` file. See [TracWorkflow](#) for more details.

[timeline]

abbreviated_messages	Whether wiki-formatted event messages should be truncated or not. This only affects the default rendering, and can be overridden by specific event providers, see their own documentation.	enabled
changeset_collapse_events	Whether consecutive changesets from the same author having exactly the same message should be presented as one event. That event will link to the range of changesets in the log view.	disabled
changeset_long_messages	Whether wiki-formatted changeset messages should be multiline or not. If this option is not specified or is false and <code>wiki_format_messages</code> is set to true, changeset messages will be single line only, losing some formatting (bullet points, etc).	disabled
changeset_show_files	Number of files to show (-1 for unlimited, 0 to disable). This can also be <code>location</code>, for showing the common prefix for the changed files.	0
default_daysback	Default number of days displayed in the Timeline, in days.	30
max_daysback	Maximum number of days (-1 for unlimited) displayable in the Timeline.	90
newticket_formatter	Which formatter flavor (e.g. 'html' or 'oneliner') should be used when presenting the description for new tickets. If 'oneliner', the <code>[timeline]</code> <code>abbreviated_messages</code> option applies.	oneliner
ticket_show_component	Enable the display of component of tickets in the timeline. (<i>since 1.1.1</i>)	disabled
ticket_show_details	Enable the display of all ticket changes in the timeline, not only open / close operations.	disabled

| [trac] |


[tracwysiwyg]

templates	List of template names that the plugin will show a WYSIWYG editor on each TracWiki textarea. The plugin shows on all pages by default.	(no default)
wysiwyg_stylesheets	Add stylesheets to the WYSIWYG editor	(no default)

[versioncontrol]

allowed_repository_dir_prefixes	Comma-separated list of allowed prefixes for repository directories when adding and editing repositories in the repository admin panel. If the list is empty, all repository directories are allowed. <i>(since 0.12.1)</i>	(no default)
default_repository_type	Default repository connector type. This is used as the default repository type for repositories defined in the TracIni#repositories-section repositories section or using the "Repositories" admin panel. <i>(since 0.12)</i>	svn

[wiki]

default_edit_area_height	Default height of the textarea on the wiki edit page. (Since 1.1.5)	20
ignore_missing_pages	Enable/disable highlighting CamelCase links to missing pages.	disabled
max_size	Maximum allowed wiki page size in characters.	262144
render_unsafe_content	Enable/disable the use of unsafe HTML tags such as <code><script></code> or <code><embed></code> with the HTML WikiProcessor. For public sites where anonymous users can edit the wiki it is recommended to leave this option disabled.	disabled
safe_origins	List of URIs considered "safe cross-origin", that will be rendered as <code>img</code> element without <code>crossorigin="anonymous"</code> attribute or used in <code>url()</code> of inline style attribute even if <code>[wiki] render_unsafe_content</code> is false (since 1.0.15). To make any origins safe, specify "*" in the list.	data:
safe_schemes	List of URI schemes considered "safe", that will be rendered as external links even if <code>[wiki] render_unsafe_content</code> is false.	cvs,file,ftp,git,irc,http,https,news,s
split_page_names	Enable/disable splitting the WikiPageNames with space characters.	disabled

[wikiprint]

[illegible]

[wikitopdf]

default_charset	The 8-bit character set to use for the entire document.	iso-8859-1
htmldoc_path	Path to HTMLDOC binary.	htmldoc

See also: [TracAdmin](#), [TracEnvironment](#)