

# Trac Permissions

## Error: Macro TracGuideToc(None) failed

```
'NoneType' object has no attribute 'find'
```

Trac uses a simple but flexible permission system to control what users can and can't access.

Permission privileges are managed using the [trac-admin](#) tool.

Regular visitors, non-authenticated users, accessing the system are assigned the default role (*user*) named *anonymous*. Assign permissions to the *anonymous* user to set privileges for non-authenticated/guest users.

In addition to these privileges users can be granted additional individual rights in effect when authenticated and logged into the system.

## Available Privileges

To enable all privileges for a user, use the `TRAC_ADMIN` permission. Having `TRAC_ADMIN` is like being `root` on a \*NIX system, it will let you do anything you want.

Otherwise, individual privileges can be assigned to users for the various different functional areas of Trac:

## Repository Browser

<code>BROWSER_VIEW</code>	View directory listings in the <a href="#">repository browser</a>
<code>LOG_VIEW</code>	View revision logs of files and directories in the <a href="#">repository browser</a>
<code>FILE_VIEW</code>	View files in the <a href="#">repository browser</a>
<code>CHANGESSET_VIEW</code>	View <a href="#">repository check-ins</a>

## Ticket System

<code>TICKET_VIEW</code>	View existing <a href="#">tickets</a> and perform <a href="#">ticket queries</a>
<code>TICKET_CREATE</code>	Create new <a href="#">tickets</a>
<code>TICKET_APPEND</code>	Add comments or attachments to <a href="#">tickets</a>
<code>TICKET_CHGPROP</code>	Modify <a href="#">ticket</a> properties
<code>TICKET_MODIFY</code>	Includes both <code>TICKET_APPEND</code> and <code>TICKET_CHGPROP</code> , and in addition allows resolving <a href="#">tickets</a>
<code>TICKET_ADMIN</code>	All <code>TICKET_*</code> permissions, plus the deletion of ticket attachments.

## Roadmap

<code>MILESTONE_VIEW</code>	View a milestone
<code>MILESTONE_CREATE</code>	Create a new milestone
<code>MILESTONE_MODIFY</code>	Modify existing milestones
<code>MILESTONE_DELETE</code>	Delete milestones
<code>MILESTONE_ADMIN</code>	All <code>MILESTONE_*</code> permissions
<code>ROADMAP_VIEW</code>	View the <a href="#">roadmap</a> page
<code>ROADMAP_ADMIN</code>	Alias for <code>MILESTONE_ADMIN</code> (deprecated)

## Reports

REPORT_VIEW	View <u>reports</u>
REPORT_SQL_VIEW	View the underlying SQL query of a <u>report</u>
REPORT_CREATE	Create new <u>reports</u>
REPORT_MODIFY	Modify existing <u>reports</u>
REPORT_DELETE	Delete <u>reports</u>
REPORT_ADMIN	All REPORT_* permissions

## Wiki System

WIKI_VIEW	View existing <u>wiki</u> pages
WIKI_CREATE	Create new <u>wiki</u> pages
WIKI_MODIFY	Change <u>wiki</u> pages
WIKI_DELETE	Delete <u>wiki</u> pages and attachments
WIKI_ADMIN	All WIKI_* permissions, plus the management of <i>readonly</i> pages.

## Others

TIMELINE_VIEW	View the <u>timeline</u> page
SEARCH_VIEW	View and execute <u>search</u> queries
CONFIG_VIEW	Enables additional pages on <i>About Trac</i> that show the current configuration or the list of installed plugins

## Granting Privileges

Currently the only way to grant privileges to users is by using the `trac-admin` script. The current set of privileges can be listed with the following command:

```
$ trac-admin /path/to/projenv permission list
```

This command will allow the user *bob* to delete reports:

```
$ trac-admin /path/to/projenv permission add bob REPORT_DELETE
```

## Permission Groups

Permissions can be grouped together to form roles such as *developer*, *admin*, etc.

```
$ trac-admin /path/to/projenv permission add developer WIKI_ADMIN
$ trac-admin /path/to/projenv permission add developer REPORT_ADMIN
$ trac-admin /path/to/projenv permission add developer TICKET_MODIFY
$ trac-admin /path/to/projenv permission add bob developer
$ trac-admin /path/to/projenv permission add john developer
```

## Default Permissions

Granting privileges to the special user *anonymous* can be used to control what an anonymous user can do before they have logged in.

In the same way, privileges granted to the special user *authenticated* will apply to any authenticated (logged in) user.

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