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

`BROWSER_VIEW`	View directory listings in the repository browser
`LOG_VIEW`	View revision logs of files and directories in the repository browser
`FILE_VIEW`	View files in the repository browser
`CHANGESET_VIEW`	View repository check-ins

Ticket System

`TICKET_VIEW`	View existing tickets and perform ticket queries
`TICKET_CREATE`	Create new tickets
`TICKET_APPEND`	Add comments or attachments to tickets
`TICKET_CHGPROP`	Modify ticket properties
`TICKET_MODIFY`	Includes both `TICKET_APPEND` and `TICKET_CHGPROP`, and in addition allows resolving tickets
`TICKET_ADMIN`	All `TICKET_*` permissions, plus the deletion of ticket attachments.

Roadmap

`MILESTONE_VIEW`	View a milestone
`MILESTONE_CREATE`	Create a new milestone
`MILESTONE_MODIFY`	Modify existing milestones
`MILESTONE_DELETE`	Delete milestones
`MILESTONE_ADMIN`	All `MILESTONE_*` permissions
`ROADMAP_VIEW`	View the roadmap page
`ROADMAP_ADMIN`	Alias for `MILESTONE_ADMIN` (deprecated)

Reports

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

Wiki System

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

Others

`TIMELINE_VIEW`	View the timeline page
`SEARCH_VIEW`	View and execute search queries
`CONFIG_VIEW`	Enables additional pages on *About Trac* 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.

See also: TracAdmin, TracGuide