Wikiprint Book

Title: TracAdmin

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TracAdmin

Trac is distributed with a powerful command-line configuration tool. This tool can be used to configure and customize your Trac-installation to better fit your needs.

Some of those operations can also be performed via the *Admin* web interface, an updated version of the ■WebAdmin plugin now integrated within Trac (since version 0.11).

Usage

For nearly every `trac-admin` command, you'll need to specify the path to the TracEnvironment that you want to administer as the first argument, for example:

```
trac-admin /path/to/projenv wiki list
```

The only exception is for the `help` command, but even in this case if you omit the environment, you'll only get a very succinct list of commands (`help` and `initenv`), the same list you'd get when invoking `trac-admin` alone. Also, `trac-admin --version` will tell you about the Trac version (e.g. 0.12) corresponding to the program.

If you want to get a comprehensive list of the available commands and sub-commands, you need to specify an existing environment:

```
trac-admin /path/to/projenv help
```

Some commands have a more detailed help, which you can access by specifying the command's name as a subcommand for `help`:

```
trac-admin /path/to/projenv help <command>
```

`trac-admin <targetdir> initenv`

This subcommand is very important as it's the one used to create a TracEnvironment in the specified `<targetdir>`. That directory must not exist prior to the call.

```
initenv [<projectname> <db> [<repostype> <repospath>]]

   Create and initialize a new environment

   If no arguments are given, then the required parameters are requested
   interactively.

   One or more optional arguments --inherit=PATH can be used to specify the
   "[inherit] file" option at environment creation time, so that only the
   options not already specified in one of the global configuration files are
   written to the conf/trac.ini file of the newly created environment.
   Relative paths are resolved relative to the "conf" directory of the new
   environment.
```

It supports an extra `--inherit` option, which can be used to specify a global configuration file which can be used share settings between several environments. You can also inherit from a shared configuration afterwards, by setting the `[inherit] file` option in the `conf/trac.ini` file in your newly created environment, but the advantage of specifying the inherited configuration file at environment creation time is that only the options *not* already specified in the global configuration file will be written in the created environment's `conf/trac.ini` file. See TracIni#GlobalConfiguration.

Note that in version 0.11 of Trac, `initenv` lost an extra last argument `<templatepath>`, which was used in previous versions to point to the `templates` folder. If you are using the one-liner '`trac-admin /path/to/trac/ initenv <projectname> <db> <repostype> <repospath>`' in the above and getting an error that reads '**`Wrong number of arguments to initenv: 4`**', then this is because you're using a `trac-admin` script from an **older** version of Trac.

Interactive Mode

When passing the environment path as the only argument, `trac-admin` starts in interactive mode. Commands can then be executed on the selected environment using the prompt, which offers tab-completion (on non-Windows environments, and when the Python `readline` module is available) and automatic repetition of the last command issued.

Once you're in interactive mode, you can also get help on specific commands or subsets of commands:

For example, to get an explanation of the `resync` command, run:

```
> help resync
```

To get help on all the Wiki-related commands, run:

```
> help wiki
```

Full Command Reference

You'll find below the detailed help for all the commands available by default in `trac-admin`. Note that this may not match the list given by `trac-admin <yourenv> help`, as the commands pertaining to components disabled in that environment won't be available and conversely some plugins activated in the environment can add their own commands.

```
help

   Show documentation

initenv [<projectname> <db> [<repostype> <repospath>]]

   Create and initialize a new environment

   If no arguments are given, then the required parameters are requested
   interactively.

   One or more optional arguments --inherit=PATH can be used to specify the
   "[inherit] file" option at environment creation time, so that only the
   options not already specified in one of the global configuration files are
   written to the conf/trac.ini file of the newly created environment.
   Relative paths are resolved relative to the "conf" directory of the new
   environment.

attachment add <realm:id> <path> [author] [description]

   Attach a file to a resource

   The resource is identified by its realm and identifier. The attachment will
   be named according to the base name of the file.

attachment export <realm:id> <name> [destination]

   Export an attachment from a resource to a file or stdout

   The resource is identified by its realm and identifier. If no destination
   is specified, the attachment is output to stdout.

attachment list <realm:id>

   List attachments of a resource

   The resource is identified by its realm and identifier.

attachment remove <realm:id> <name>
```

```
   Remove an attachment from a resource

   The resource is identified by its realm and identifier.

changeset added <repos> <rev> [rev] [...]

   Notify trac about changesets added to a repository

   This command should be called from a post-commit hook. It will trigger a
   cache update and notify components about the addition.

changeset modified <repos> <rev> [rev] [...]

   Notify trac about changesets modified in a repository

   This command should be called from a post-revprop hook after revision
   properties like the commit message, author or date have been changed. It
   will trigger a cache update for the given revisions and notify components
   about the change.

component add <name> <owner>

   Add a new component

component chown <name> <owner>

   Change component ownership

component list

   Show available components

component remove <name>

   Remove/uninstall a component

component rename <name> <newname>

   Rename a component

config get <section> <option>

   Get the value of the given option in "trac.ini"

config remove <section> <option>

   Remove the specified option from "trac.ini"

config set <section> <option> <value>

   Set the value for the given option in "trac.ini"

deploy <directory>

   Extract static resources from Trac and all plugins

hotcopy <backupdir> [--no-database]

   Make a hot backup copy of an environment

   The database is backed up to the 'db' directory of the destination, unless
```

```
   the --no-database option is specified.

milestone add <name> [due]

   Add milestone

milestone completed <name> <completed>

   Set milestone complete date

   The <completed> date must be specified in the "YYYY-MM-DD" format.
   Alternatively, "now" can be used to set the completion date to the current
   time. To remove the completion date from a milestone, specify an empty
   string ("").

milestone due <name> <due>

   Set milestone due date

   The <due> date must be specified in the "YYYY-MM-DD" format. Alternatively,
   "now" can be used to set the due date to the current time. To remove the
   due date from a milestone, specify an empty string ("").

milestone list

   Show milestones

milestone remove <name>

   Remove milestone

milestone rename <name> <newname>

   Rename milestone

permission add <user> <action> [action] [...]

   Add a new permission rule

permission export [file]

   Export permission rules to a file or stdout as CSV

permission import [file]

   Import permission rules from a file or stdin as CSV

permission list [user]

   List permission rules

permission remove <user> <action> [action] [...]

   Remove a permission rule

priority add <value>

   Add a priority value option

priority change <value> <newvalue>
```

```
   Change a priority value

priority list

   Show possible ticket priorities

priority order <value> up|down

   Move a priority value up or down in the list

priority remove <value>

   Remove a priority value

repository add <repos> <dir> [type]

   Add a source repository

repository alias <name> <target>

   Create an alias for a repository

repository list

   List source repositories

repository remove <repos>

   Remove a source repository

repository resync <repos> [rev]

   Re-synchronize trac with repositories

   When [rev] is specified, only that revision is synchronized. Otherwise, the
   complete revision history is synchronized. Note that this operation can
   take a long time to complete. If synchronization gets interrupted, it can
   be resumed later using the `sync` command.

   To synchronize all repositories, specify "*" as the repository.

repository set <repos> <key> <value>

   Set an attribute of a repository

   The following keys are supported: alias, description, dir, hidden, name,
   type, url

repository sync <repos> [rev]

   Resume synchronization of repositories

   It works like `resync`, except that it doesn't clear the already
   synchronized changesets, so it's a better way to resume an interrupted
   `resync`.

   See `resync` help for detailed usage.

resolution add <value>

   Add a resolution value option
```

```
resolution change <value> <newvalue>

   Change a resolution value

resolution list

   Show possible ticket resolutions

resolution order <value> up|down

   Move a resolution value up or down in the list

resolution remove <value>

   Remove a resolution value

session add <sid[:0|1]> [name] [email]

   Create a session for the given sid

   Populates the name and email attributes for the given session. Adding a
   suffix ':0' to the sid makes the session unauthenticated, and a suffix ':1'
   makes it authenticated (the default if no suffix is specified).

session delete <sid[:0|1]> [...]

   Delete the session of the specified sid

   An sid suffix ':0' operates on an unauthenticated session with the given
   sid, and a suffix ':1' on an authenticated session (the default).
   Specifying the sid 'anonymous' will delete all anonymous sessions.

session list [sid[:0|1]] [...]

   List the name and email for the given sids

   Specifying the sid 'anonymous' lists all unauthenticated sessions, and
   'authenticated' all authenticated sessions. '*' lists all sessions, and is
   the default if no sids are given.

   An sid suffix ':0' operates on an unauthenticated session with the given
   sid, and a suffix ':1' on an authenticated session (the default).

session purge <age>

   Purge all anonymous sessions older than the given age

   Age may be specified as a relative time like "90 days ago", or in YYYYMMDD
   format.

session set <name|email> <sid[:0|1]> <value>

   Set the name or email attribute of the given sid

   An sid suffix ':0' operates on an unauthenticated session with the given
   sid, and a suffix ':1' on an authenticated session (the default).

severity add <value>

   Add a severity value option
```

```
severity change <value> <newvalue>

   Change a severity value

severity list

   Show possible ticket severities

severity order <value> up|down

   Move a severity value up or down in the list

severity remove <value>

   Remove a severity value

ticket remove <number>

   Remove ticket

ticket_type add <value>

   Add a ticket type

ticket_type change <value> <newvalue>

   Change a ticket type

ticket_type list

   Show possible ticket types

ticket_type order <value> up|down

   Move a ticket type up or down in the list

ticket_type remove <value>

   Remove a ticket type

upgrade

   Upgrade database to current version

version add <name> [time]

   Add version

version list

   Show versions

version remove <name>

   Remove version

version rename <name> <newname>

   Rename version
```

```
version time <name> <time>

   Set version date

   The <time> must be specified in the "YYYY-MM-DD" format. Alternatively,
   "now" can be used to set the version date to the current time. To remove
   the date from a version, specify an empty string ("").

wiki dump <directory> [page] [...]

   Export wiki pages to files named by title

   Individual wiki page names can be specified after the directory. A name
   ending with a * means that all wiki pages starting with that prefix should
   be dumped. If no name is specified, all wiki pages are dumped.

wiki export <page> [file]

   Export wiki page to file or stdout

wiki import <page> [file]

   Import wiki page from file or stdin

wiki list

   List wiki pages

wiki load <path> [...]

   Import wiki pages from files

   If a given path is a file, it is imported as a page with the name of the
   file. If a path is a directory, all files in that directory are imported.

wiki remove <page>

   Remove wiki page

wiki rename <page> <new_name>

   Rename wiki page

wiki replace <path> [...]

   Replace the content of wiki pages from files (DANGEROUS!)

   This command replaces the content of the last version of one or more wiki
   pages with new content. The previous content is lost, and no new entry is
   created in the page history. The metadata of the page (time, author) is not
   changed either.

   If a given path is a file, it is imported as a page with the name of the
   file. If a path is a directory, all files in that directory are imported.

   WARNING: This operation results in the loss of the previous content and
   cannot be undone. It may be advisable to backup the current content using
   "wiki dump" beforehand.

wiki upgrade
```

```
Upgrade default wiki pages to current version
```

See also: TracGuide, TracBackup, TracPermissions, TracEnvironment, TracIni, ■TracMigrate