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 the configurations can also be performed via the web administration module.

Usage

For nearly every trac-admin command, the first argument must be the path to the <u>TracEnvironment</u>:

```
$ 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 will only get a very succinct list of commands (help and initenv), the same list you would get when invoking trac-admin alone. trac-admin --version will tell you about the Trac version (e.g. 1.2) corresponding to the program.

To get a comprehensive list of the available command and sub-command, specify the path to an environment:

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

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

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

When an error occurs in a trac-admin command the return value will be 2 and error messages are printed to stderr.

trac-admin <targetdir> initenv

This subcommand is very important as is the one used to create a <u>TracEnvironment</u> 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 unless the optional argument `--config` is specified.

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.

The optional argument --config=PATH can be used to specify a configuration file that is used to populate the environment configuration. The arguments projectname>, <db> and any other arguments passed in the invocation are
```

TracAdmin 1

```
optional, but if specified will override values in the configuration file.
```

It supports the --inherit option, which specifies a global configuration file for sharing 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. The advantage of specifying the inherited configuration file at environment creation time is that only the options *not* specified in the global configuration file will be written to the environment's conf/trac.ini file. See TracIni#GlobalConfiguration.

Interactive Mode

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

Once you are 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:

```
$ resync
```

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

```
$ wiki
```

Full Command Reference

```
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 unless the optional argument `--config` is specified.

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.

The optional argument --config=PATH can be used to specify a configuration file that is used to populate the environment configuration. The arguments
```

```
optional, but if specified will override values in the configuration file.
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 "d MMM yyyy {\tt HH:mm:ss"} or
    "YYYY-MM-DDThh:mm:ss±hh:mm" (ISO 8601) 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 "d MMM yyyy HH:mm:ss" or "YYYY-MM-
   DDThh:mm:ss±hh:mm" (ISO 8601) 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,
    sync_per_request, 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 anonymous sessions older than the given age or date
    Age may be specified as a relative time like "90 days ago", or as a date in
    the "d MMM yyyy HH:mm:ss" or "YYYY-MM-DDThh:mm:ss±hh:mm" (ISO 8601) format.
session set <name|email|default_handler> <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 [--no-backup]
    Upgrade database to current version
   The database is backed up to the directory specified by [trac] backup_dir
    (the default is 'db'), unless the --no-backup option is specified. The
    shorthand alias -b can also be used to specify --no-backup.
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 "d MMM yyyy HH:mm:ss" or "YYYY-MM-
    DDThh:mm:ss±hh:mm" (ISO 8601) 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: TracBackup, TracEnvironment, TracIni, ?TracMigrate