

TimeStamp

DEFINITION WandsTimeStamp;

VAR
dlg: Dlg;

PROCEDURE Look;

END WandsTimeStamp.

This [Tool](#) is used to set the Modified time and date attributes of disc files to values specified in a text file.

The text file should have the same format as this example:

```
2014-09-09 00:01:33 +0800 .gitignore
2014-09-09 00:01:33 -0800 BlackBox.exe.manifest
2014-09-09 00:01:33 -0800 Dev/Mod/AlienTool.odc
2016-10-06 15:07:07 +0700 appbuild/AppVersion.txt
2014-09-09 14:34:01 +0200 appbuild/appendProps.txt
2016-09-13 11:50:27 +0200 appbuild/build.py
2016-11-10 20:07:11 +0000 appbuild/newbbscript.txt
```

The first field is the date, the second is the time, and the third field is the offset of the first two fields from UTC time (Coordinated Universal Time).

The fourth, and last field, is the *relative* path of the file whose *modified* time is to be updated. This path is relative to an absolute directory specified in the Tool's user interface.

See [below](#) to obtain a suitable text file.

User Manual

Path	The absolute directory of the dates specification file. Also, the absolute directory used to specify which files will be updated. This field defaults to BlackBox's home path.
Name	The name of the last dates specification file used.
Docu	Opens this file.
Update	Needs to be checked for the listed files to actually have their times updated.
Look	Searches for the list of file names with modification dates. If found, the contents of the file are echoed to the Log. If <i>Update</i> is checked, these files have their time stamps updated. Note that the dates and times in the file are <i>local</i> times, whereas they are UTC times in the Log report. The UTC offset has already been applied. Note also that the file times visible in an Explorer window are also local times, but local to you, rather than local to the last person who edited the file.

Using Git to obtain a text file of file timestamps

This section gives an example of finding the time stamps for the Center BlackBox (unstable) build number 741, which was developed using the Git version control system.

First install a copy of Git onto your local machine from <https://git-scm.com/>.

Use Git to clone a copy of the repository from
<http://redmine.blackboxframework.org/projects/blackbox/repository>.

Detailed instructions are given in
http://wiki.blackboxframework.org/index.php?title=How_to_develop_with_Tortoise_Git, section "Cloning a repository". You do not need to install Tortoise Git to do this.
In this example we assume you put the repository into a directory called "\\Git\\Version#741".

Select this directory, <Right-click>, then <Left-Click> on the popup menu option "Git Bash Here".

Get the Git commit hash for this version:

- Open file <http://blackboxframework.org/unstable/master/blackbox-1.7.1-a1.741-buildlog.html>.
- Read the commit hash; here it is "552e2201a78b5f8fe53b90f0188b2b38f8d9c26c".

Another example is the stable build 1.7:

- Open file <http://blackboxframework.org/stable/blackbox-1.7-buildlog.html>.
- Read the commit hash; here it is "309dcffd55dbadc91e84759f0fd7238bd250499c".

Into the Bash window type "git reset <commithash>", without the quotes, then <Return>.

For example, type:

- git reset 552e2201a78b5f8fe53b90f0188b2b38f8d9c26c

If you wish to use Copy-and-Paste, note:

- The Bash copy instruction is <Ctrl> + <Insert>, not <Ctrl> + <C>
- The Bash paste instruction is <Shift> + <Insert>, not <Ctrl> + <V>.

You should get a message that starts:

- Unstaged changes after reset:

Next enter and execute the Git command - it may take several seconds:

- git ls-files -z | xargs -0 -n1 -l{} -- git log -1 --format="%ai {}" {} > FileDates.txt

You should now have the file:

- \\Git\\Version#741\\FileDates.txt

For this example an extract from this file is:

```
2014-09-09 00:01:33 +0800 .gitignore
2014-09-09 00:01:33 +0800 BlackBox.exe.manifest
...
2016-11-27 23:32:02 +0700 Dev/Mod/Browser.odc
...
2016-10-06 15:07:07 +0700 appbuild/AppVersion.txt
2014-09-09 14:34:01 +0200 appbuild/appendProps.txt
2016-09-13 11:50:27 +0200 appbuild/build.py
2016-11-25 00:32:31 +0700 appbuild/newbbscript.txt
```

Copy this file into the directory where the files you want restamped are (if they are somewhere else), and you are now ready to use this Tool.

If you have cloned a local copy of the master branch above it is a good idea delete it now to avoid the risk of accidentally pushing any changes back to redmine.

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