

NAME

`mr1011` – convert an Oracle version 10.2 trace file into version 11.1 format

SYNOPSIS

```
mr1011 [ --help | -? ] [ --license ] [ --man ] [ --version ] file.trc [ output.trc ]
```

DESCRIPTION

The Method R Workbench `mrprof` utility requires an extended SQL trace file from Oracle Database version 11.1 or later as its input. This is because `mrprof` relies on new fields that Oracle Corporation added to its 11.1 trace data format.

`mr1011` reads an Oracle Database version 10.2 extended SQL trace file, adds the fields required to make the file look like an 11.1 trace file, and writes the 11.1-format trace file to `stdout` (or *output.trc* if you specify the name on the command line). If *file.trc* is not missing any fields, then the output will be the same as the input.

OPTIONS

`--help`, `-?` Print usage information and exit.

`--license` Print license key information and exit.

`--man` Print the manual page and exit.

`--version` Print the version number and exit.

TRANSFORMATIONS

`mr1011` synthesizes the following 11.1 fields that do not appear in 10.2 trace files:

plh (**dbcall lines**) The `plh` value will be 0 for `PARSE` calls and calls for which there is no plan text available. Otherwise, it will be $420,000,000,000 + x$, where x is a 32-bit hash of the execution plan text. Adding $4.2e+11$ to the hash allows you to distinguish a `mr1011` value from an Oracle value.

tim (**XCTEND lines**) The `tim` value will be latest prior `tim` value in the trace file if a prior `tim` exists, or the earliest following `tim` value if a following `tim` exists, or zero if there is no other `tim` in the input.

BUGS AND DEFICIENCIES

mr1011 cannot write exactly the same data that Oracle Database version 11.1 would have written. However, you will get significantly more value using Method R Workbench version 9+ with mr1011 trace files than you would using Method R Profiler version 6 with 10.2 trace files.

EXIT STATUS

Exit status is 0 on successful completion, and > 0 if an error occurs.

AUTHORS

Jeff Holt, Cary Millsap

SUPPORT

mr1011 9.0.1.0

For support, visit <https://method-r.com/support>.

COPYRIGHT AND LICENSE

Copyright 2020, 2020 Method R Corporation. All rights reserved.

This is commercially licensed software. You may not redistribute copies of it. Please confirm with your software license administrator that you are licensed to use this Method R software product. Write license@method-r.com for information.

There is NO WARRANTY, to the extent permitted by law. Visit <https://method-r.com/method-r-software-license-agreement> for details.