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TDBSCONF

TRIPsystem
Product Documentation

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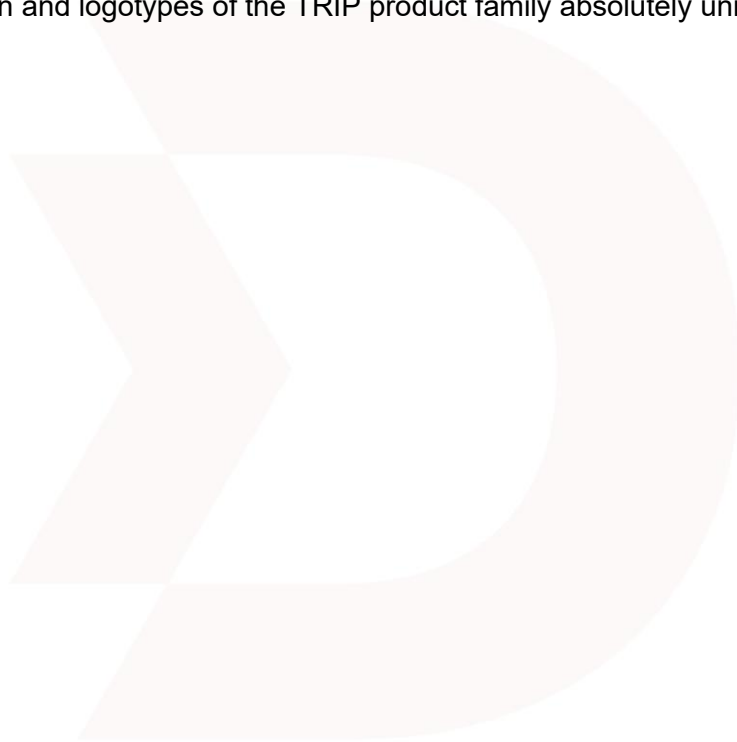


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Introduction

The TDBSCONF tool supports TRIP administrators for the management of the tdb.conf configuration file. While this file can be edited manually in any text editor, the proper and expected behavior of TRIPsystem is dependent on this file being correct.

The TDBSCONF tool will automatically insert a specified logical name at the correct place, and in many cases validate the specified values. The tool supports the modification operations set, append, delete, comment and uncomment. It is also possible to use TDBSCONF as an alternative to the QUERYRCS command line tool in order to retrieve values of specific logical names or print out the full, parsed namespace. A single invocation of TDBSCONF also allows multiple operations to be specified without saving the updated file in between.

Refer to the “TRIPsystem Environment” manual for an in-depth overview of all logical names valid for use in the tdb.conf file.

Syntax

The TDBSCONF tool allows the following operations to be specified multiple times on the same command line invocation:

Operation	Description
--dump	Dump the parsed tdb.conf namespace to stdout
-g NAME	Get the value of a logical name
-s NAME=VALUE	Set or replace the value of a logical name
-a NAME=VALUE	Append one or more comma-separated values to a logical name
-d NAME [=VALUE]	Delete a logical name or remove a specific value from a logical name such that the logical name uses a comma-separated list of values.
-c NAME	Comment-out the specified logical name
-u NAME [=VALUE]	Uncomment the specified logical name. If the --set-if-missing option is specified and no matching comment exists, this operation will behave like set (-s), but then will also require the value to assign.

The following options are also supported:

Option	Description
--[no-]validate	Toggle validation of modifications (default: enabled)
--[no-]expand	With the GET operation, toggle variable expansion of values
--set-if-missing	With the UNCOMMENT operation, create the logical name if it is absent
--backup[=FILE]	Create backup of the original file before updating it
--in=FILE	Read the configuration from this alternate file instead of the actual tdb.conf.
--out[=FILE]	Write the modifications to this alternate file instead of the input file. If this option is specified without a filename, the changed configuration will be written to stdout instead.
--quiet	Keep output other than errors to a minimum.

The GET operation

The GET operation of TDBSCONF is designed to behave similarly to QUERYRCS, except that values are not emitted in double quotes.

Example: to get the value of the TDBS_BASES logical name:

```
tdbsconf -g TDBS_BASES
```

Example: to get a dump of the entire parsed logical name namespace:

```
tdbsconf --dump
```

The SET operation

The SET operation of TDBSCONF sets a logical name to a specific value. If the logical name already is defined, it will be reassigned.

Example: to enable XPI debugging for requests from TRIPjxp, TRIPnpx and TRIPmanager:

```
tdbsconf -s TDBS_XPI_LOGLEVEL=DEBUG
```

The COMMENT operation

The COMMENT operation of TDBSCONF comments out an existing logical name assignment.

Example: to comment out the logical name controlling XPI debugging:

```
tdbsconf -c TDBS_XPI_LOGLEVEL
```

The UNCOMMENT operation

The UNCOMMENT operation of TDBSCONF restores a commented out logical name into the namespace. The operation fails if no comment matching the logical name can be found, unless the `--set-if-missing` option is also set.

Example: to comment out the logical name controlling XPI debugging:

```
tdbsconf -u TDBS_XPI_LOGLEVEL
```

The DELETE operation

The DELETE operation of TDBSCONF removes a logical name from the configuration. The operation fails if the logical name is required for the correct operation of TRIPsystem.

Example: to delete the logical name controlling XPI debugging:

```
tdbsconf -d TDBS_XPI_LOGLEVEL
```

Multiple Operations

The TDBSCONF tool allows multiple operations in one single call.

For example, to add the fully qualified path to a custom ASE library and update the list of ASE libraries to load:

```
tdbsconf -s MYASE=/data/lib/libmyase.so -a TDBS_ASELIBS=MYASE
```

Note that we're using the APPEND operation with TDBS_ASELIBS here. This is required in this particular case since we must keep all previously assigned ASE libraries that may already be in this list.