



Red Hat Enterprise Linux Release 9.2 Manual Pages on 'dbus-test-tool.1' command

\$ man dbus-test-tool.1

DBUS-TEST-TOOL(1) User Commands DBUS-TEST-TOOL(1)

NAME

dbus-test-tool - D-Bus traffic generator and test tool

SYNOPSIS

```
dbus-test-tool black-hole [--session | --system] [--name=NAME]
                        [--no-read]
dbus-test-tool echo [--session | --system] [--name=NAME]
                  [--sleep-ms=MS]
dbus-test-tool spam [--session | --system] [--dest=NAME] [--count=N]
                  [--flood] [--ignore-errors] [--messages-per-conn=N]
                  [--no-reply] [--queue=N] [--seed=SEED] [--string |
                  --bytes | --empty] [--payload=S | --stdin |
                  --message-stdin | --random-size]
```

DESCRIPTION

dbus-test-tool is a multi-purpose tool for debugging and profiling D-Bus.

dbus-test-tool black-hole connects to D-Bus, optionally requests a name, then does not reply to messages. It normally reads and discards messages from its D-Bus socket, but can be configured to sleep forever without reading.

dbus-test-tool echo connects to D-Bus, optionally requests a name, then sends back an empty reply to every method call, after an optional delay.

dbus-test-tool spam connects to D-Bus and makes repeated method calls, normally named com.example.Spam.

OPTIONS

Common options

--session

Connect to the session bus. This is the default.

--system

Connect to the system bus.

black-hole mode

--name=NAME

Before proceeding, request ownership of the well-known bus name NAME, for example com.example.NoReply. By default, no name is requested, and the tool can only be addressed by a unique bus name such as :1.23.

--no-read

Do not read from the D-Bus socket.

echo mode

--name=NAME

Before proceeding, request ownership of the well-known bus name NAME, for example com.example.Echo. By default, no name is requested, and the tool can only be addressed by a unique bus name such as :1.23.

--sleep-ms=MS

Block for MS milliseconds before replying to a method call.

spam mode

--dest=NAME

Send method calls to the well-known or unique bus name NAME. The default is the dbus-daemon, org.freedesktop.DBus.

--count=N

Send N method calls in total. The default is 1.

--queue=N

Send N method calls before waiting for any replies, then send one new call per reply received, keeping N method calls "in flight" at

all times until the number of messages specified with the `--count` option have been sent. The default is 1, unless `--flood` is used.

`--flood`

Send all messages without waiting for a reply, equivalent to `--queue` with an arbitrarily large N.

`--no-reply`

Set the "no reply desired" flag on the messages. This implies `--flood`, since it disables the replies that would be used for a finite `--queue` length.

`--messages-per-conn=N`

If given, send N method calls on the same connection, then disconnect and reconnect. The default is to use the same connection for all method calls.

`--string`

The payload of each message is a UTF-8 string. This is the default. The actual string used is given by the `--payload` or `--stdin` option, defaulting to "hello, world!".

`--bytes`

The payload of each message is a byte-array. The actual bytes used are given by the `--payload` or `--stdin` option, defaulting to the ASCII encoding of "hello, world!".

`--empty`

The messages have no payload.

`--payload=S`

Use S as the `--string` or `--bytes` in the messages. The default is "hello, world!".

`--stdin`

Read from standard input until end-of-file is reached, and use that as the `--string` or `--bytes` in the messages.

`--message-stdin`

Read a complete binary D-Bus method call message from standard input, and use that for each method call.

`--random-size`

Read whitespace-separated ASCII decimal numbers from standard input, choose one at random for each message, and send a message whose payload is a string of that length.

`--seed=SEED`

Use SEED as the seed for the pseudorandom number generator, to have somewhat repeatable sequences of random messages.

BUGS

Please send bug reports to the D-Bus bug tracker or mailing list. See <http://www.freedesktop.org/software/dbus/>.

SEE ALSO

`dbus-send(1)`

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