

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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