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

$ man dbus-monitor.1

DBUS-MONITOR(1)   User Commands   DBUS-MONITOR(1)

NAME

    dbus-monitor - debug probe to print message bus messages

SYNOPSIS

    dbus-monitor [--system | --session | --address ADDRESS] [--profile |

        --monitor | --pcap | --binary] [watch expressions]

DESCRIPTION

    The dbus-monitor command is used to monitor messages going through a

    D-Bus message bus. See http://www.freedesktop.org/software/dbus/ for

    more information about the big picture.

    There are two well-known message buses: the systemwide message bus

    (installed on many systems as the "messagebus" service) and the

    per-user-login-session message bus (started each time a user logs in).

    The --system and --session options direct dbus-monitor to monitor the

    system or session buses respectively. If neither is specified,

    dbus-monitor monitors the session bus.

    dbus-monitor has two different text output modes: the 'classic'-style

    monitoring mode, and profiling mode. The profiling format is a compact

    format with a single line per message and microsecond-resolution timing

    information. The --profile and --monitor options select the profiling

    and monitoring output format respectively.

    dbus-monitor also has two binary output modes. The binary mode,

    selected by --binary, outputs the entire binary message stream (without

the initial authentication handshake). The PCAP mode, selected by --pcap, adds a PCAP file header to the beginning of the output, and prepends a PCAP message header to each message; this produces a binary file that can be read by, for instance, Wireshark.

If no mode is specified, dbus-monitor uses the monitoring output format.

In order to get dbus-monitor to see the messages you are interested in, you should specify a set of watch expressions as you would expect to be passed to the dbus_bus_add_match function.

The message bus configuration may keep dbus-monitor from seeing all messages, especially if you run the monitor as a non-root user.

OPTIONS

--system

Monitor the system message bus.

--session

Monitor the session message bus. (This is the default.)

--address ADDRESS

Monitor an arbitrary message bus given at ADDRESS.

--profile

Use the profiling output format.

--monitor

Use the monitoring output format. (This is the default.)

EXAMPLE

Here is an example of using dbus-monitor to watch for the gnome typing monitor to say things

    dbus-monitor "type='signal',sender='org.gnome.TypingMonitor',interface='org.gnome.TypingMonitor'"

AUTHOR

dbus-monitor was written by Philip Blundell. The profiling output mode was added by Olli Salli.

BUGS

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