

**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/>