

# DBUS

Sources: [Wikipedia](#), [D-Bus Specification](#), [Cardinal Peak](#)

D-BUS is an Inter-Process Communication (IPC) specification. Communication is possible via multiple [Transports](#) (e.g., Unix sockets, systemd, TCP sockets).

Default D-Bus message buses:

- System-wide instance / message bus (see `/usr/share/dbus-1/system.conf` or `dbus-monitor --system`)
- User-session-specific instance / message bus (see `/usr/share/dbus-1/session.conf` or `dbus-monitor --session`)

Monitor DBUS signals: `dbus-monitor`

## DBUS Implementations

- GDBus (Gnome)
- QT/KDE D-Bus
- dbus-broker (Arch)

### dbus-broker

Source: [dbus-broker package](#)

## Desktop Notifications

- Send desktop notification: `notify-send test`
- Send desktop notification with icon: `notify-send -i face-glasses "test"` (icons are located in `/usr/share/icons/`)
- Monitor DBUS desktop notifications: `dbus-monitor "interface='org.freedesktop.Notifications'"`

## Desktop Notification Daemons

### Primary source

Daemons:

- dunst
- NotifyOSD / notify-osd

Depending on the Desktop Environment, notification daemons are built-in (Cinnamon, Gnome, KDE). Notification daemons can started standalone for other environments (e.g. i3wm). Standalone is

possible via XDG autostart or as DBUS service.

Typically, DBUS service files are shipped with notification daemons, e.g.,  
`/usr/share/dbus-1/services/org.freedesktop.Notifications.service`

From:

<http://172.168.74.25/> - **wiki.wurps.de**

Permanent link:

<http://172.168.74.25/doku.php?id=dbus&rev=1742730950>

Last update: **2025/03/23 12:55**

