

"D-Bus

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" (short for "Desktop Bus") is a message bus system that provides an interprocess communication (IPC) mechanism for applications running on Linux and other Unix-like systems. It allows different processes to communicate with each other and exchange messages, making it a useful tool for creating desktop applications and services.

D-Bus is designed to be a simple and lightweight IPC mechanism, and it uses a publish-subscribe model for message delivery. Applications can register themselves on the bus and subscribe to messages, and other applications can send messages to the bus, which are then delivered to all subscribed applications.

D-Bus has become a standard component of many Linux desktop environments, including GNOME and KDE, and it is also used in some system services, such as systemd. It is implemented as a library and a daemon process, which can run either system-wide or per-user.