

Connecting .NET Core to D-BUS

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About myself

- Red Hatter, .NET Core
- Fedora .NET SIG member (fedoraloves.net)
- .NET Core contributor
- Maintains some Linux focused .NET libraries (DBus, Systemd)

D-Bus: one slide overview

- Linux message-based IPC mechanism used by system daemons and desktop services
- Some services are on a **global system bus** and others are on a **per-user-login-session bus**.
- A D-Bus **service** exposes **objects**, identified by a **path**. These objects implement **interfaces**. The interfaces contain **methods**, **signals** and **properties**.

Tmds.DBus

- fork of dbus-sharp
 - .NET asynchronous programming model
 - tool for generating c# interfaces to access D-Bus services
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- <https://github.com/tmds/Tmds.DBus>
 - nuget.org

DEMO

THANK YOU!

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Questions?