Discord

Discord is a proprietary, cross-platform, all-in-one voice and text chat application.

Install Discord from the repositories:

```
pacman -S discord
```

Or the official Flatpak app:

```
flatpak install com.discordapp.Discord
```

Rich Presence with Flatpak

Discord provides a Unix socket file that games and applications use in order to show what game or media is currently being played.

The Flatpak version creates this socket in a different location than the repo package version. In order for games and apps to still be able to communicate with the Discord app, a symbolic link needs to be created in the usual place, pointing to the location of the socket file of the Flatpak version.

The most straightforward way is to create a symbolic link with a single command:

```
ln -sf $XDG_RUNTIME_DIR/{app/com.discordapp.Discord,}/discord-ipc-0
```

However, since `$XDG_RUNTIME_DIR` is a tmpfs in RAM, its contents will be discarded if the system is shut down or rebooted. To fix this, `systemd-tmpfiles` can be used to automatically re-create the link every time you log into your desktop session.

Create the directory `user-tmpfiles.d` in your user's `.config` directory:

```
mkdir -p ~/.config/user-tmpfiles.d
```

In the newly created directory, create a new config file:

```
nano ~/.config/user-tmpfiles.d/discord-ipc.conf
```

`systemd-tmpfiles` uses the information in the config file to create temporary files as long as the user is logged in and remove them once the user logs out.

The fields in this file are space separated. The fields are as follows:

Field	Description
Type	The type of file to create. `L` = symbolic link, `d` = directory, `f` = regular file.
Path	Path where to create the object. `%t` = signifier for user-specific temporary directory (`/run/user/[ID]`).
Mode	File permissions in octal notation. `-` means keep the default.
Owner	User who will own the file. `-` means keep the default.
Group	Group who will own the file. `-` means keep the default.
Time	Expiration time of the file, e.g. `2h` deletes the files after 2 hours. `-` means no expiration time.
Options	Parameters specific to the type used in the *type* field. When `L`, it's the target the link will point to.

In order for the link to point to the Discord socket of the Flatpak version, the resulting config file should look have this line:

```
L %t/discord-ipc-0 - - - - app/com.discordapp.Discord/discord-ipc-0
```

This will create a symbolic link at `/run/user/1000/discord-ipc-0` pointing to the actual socket file at `/run/user/1000/app/com.discordapp.Discord/discord-ipc-0` where the Flatpak version of Discord is listening on incoming connections from other apps and games.

`systemd-tmpfiles` will not pick up on the new config file automatically, it will however read it upon next log-in. Alternatively, run `systemd-tmpfiles --user --create` manually to have `systemd-tmpfiles` create the link for you.

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