How to get Jedi Knight: Dark Forces II running under Linux/Wine

Prerequisites

- have a working Linux install; I'm using Ubuntu 20.04 (but this also worked on 18.04)
  - If you're on a different distro, you'll need to figure out the wine installation yourself, but the rest of the instructions should work
- have 2 ISOs, one for each original JK CD

If you don't have these ISOs, but you do have a computer with a CD drive, and each of the 2 JK disks, you can follow these instructions to rip an ISO of each:

Create an ISO Image from a CD under Linux

Please Note: it is possible to use wine to run the installers from the CDs directly. I have done it in the past but my JK CDs are so old and messed up I just ripped ISOs that I will save for later.

In my case, I ripped ISOs from the two JK CDs and I'm using those. The filenames of the ISOs are `jk1.iso` and `jk2.iso`.
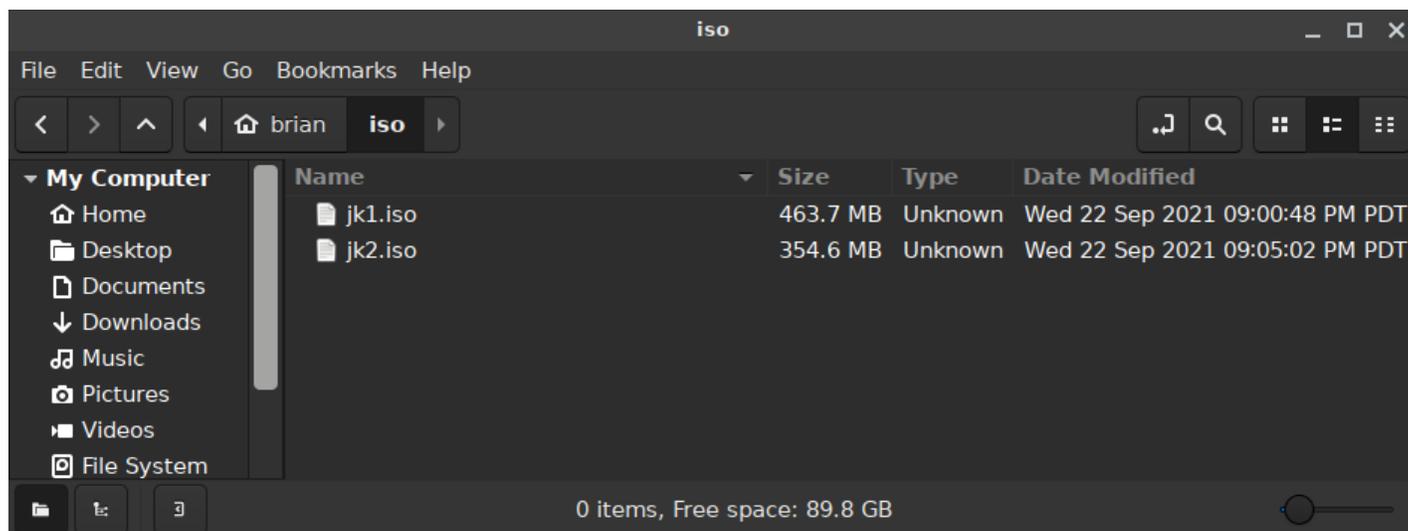
Install Wine

In a terminal, run:

```
sudo apt install wine64
```

Once it's finished, you can run winecfg to test the application. Feel free to poke around in the options and then close it when you're done.
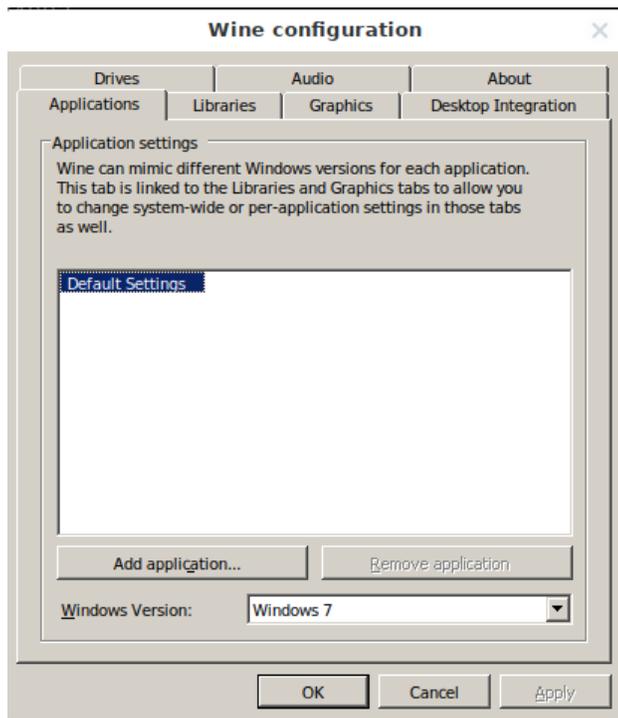
Mount the first disk ISO.

Create a directory into which you will mount the ISO. In my case, the directory I want is `/home/brian/fake_cd_drive`:

```
cd
mkdir fake_cd_drive
```

Now mount the ISO into the directory that was just created:

```
sudo mount -o loop /home/brian/iso/jk1.iso /home/brian/fake_cd_drive
```

Example output:

```
brian@oree:~$ sudo mount -o loop /home/brian/iso/jk1.iso /home/brian/fake_cd_drive
mount: /home/brian/fake_cd_drive: WARNING: device write-protected, mounted read-only.
brian@oree:~$
```

Verify it by changing into the directory and listing files:

```
cd /home/brian/fake_cd_drive
ls -l
```

Example output:

```
brian@oree:~/fake_cd_drive$ ls -l
total 576
dr-xr-xr-x  1 root   root     2048 Sep 11  1997 ./
drwxr-xr-x 58 brian  brian    4096 Sep 22 21:22 ../
-r-xr-xr-x  1 root   root       52 Sep 11  1997 autorun.inf*
dr-xr-xr-x  1 root   root     4096 Sep 10  1997 directx/
dr-xr-xr-x  1 root   root     2048 Sep 10  1997 gamedata/
dr-xr-xr-x  1 root   root     2048 Sep 11  1997 install/
-r-xr-xr-x  1 root   root   214528 Sep 11  1997 jedi.doc*
-r-xr-xr-x  1 root   root   309760 Sep 11  1997 jedi.exe*
-r-xr-xr-x  1 root   root     1736 Sep 11  1997 jedi.txt*
-r-xr-xr-x  1 root   root    31319 Sep 11  1997 readme.txt*
-r-xr-xr-x  1 root   root    16896 Sep 11  1997 setup.exe*
```

Run the installer

Run the installer using wine.

Still in the `fake_cd_drive` directory, run:

```
wine setup.exe
```

This should open the installer, and it looks mostly like it does on Windows:
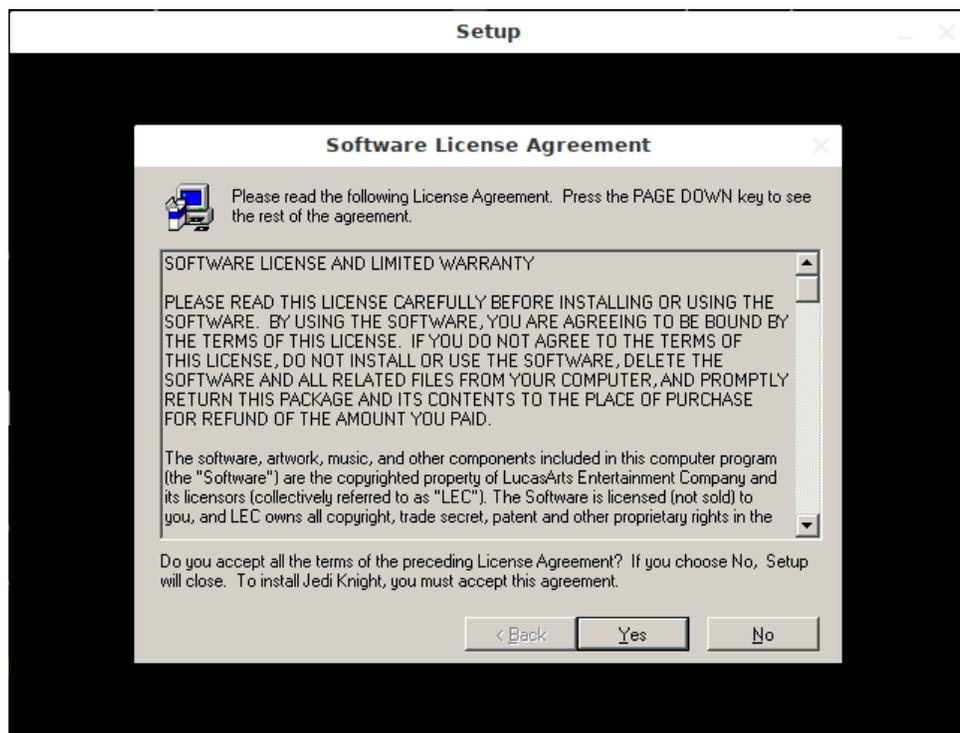
Run through the installation steps as normal.

- Choose Complete Installation when prompted
- The default Destination Directory is fine
- The start menu nonsense is nonsense
- Jedi Knight does appear in the "Wine" section of my Cinnamon "start" menu

After installation, you should see the launcher.

Click Play!

Everything works for me. Important things to set up once the game is launched:

- Enable 3d Acceleration
- Choose the resolution that matches your monitor

Launching the game

After you exit the game, you can launch it again by finding the Jedi Knight entry in your "start" menu.

What about the CD music?

It doesn't seem to work with the ISO. However, if you have a CD drive and you can install from the original JK CDs, and you leave the CD inserted while playing, the music works.

It prompted me for Disc 2

I think you can alt-tab out of the game to do this.

Unmount the first ISO, and then mount the second one using a similar command.

```
sudo umount /home/brian/fake_cd_drive
sudo mount -o loop /home/brian/iso/jk2.iso /home/brian/fake_cd_drive
```

Then alt-tab back into the game.