FuzzyDL downloads for the RZN course

a) Preferred way: VirtualBox (multiple OS)

1. Download the FuzzyDL installed on a Ubuntu machine using <u>a magnet link for bittorrent</u>.
2. Download <u>VirtualBox</u> and import the OVA image into VirtualBox (see the <u>documentation</u>).
   Alternatively, download the image using a <u>direct link</u> (without any guarantees).

b) Linux

1. Download the <u>FuzzyOWL with Gurobi</u> tarball and extract it using the command:
   `$ tar xvf fuzzyowl.tar.gz`
2. Edit the `fuzzydl/fuzzydl` binary and set `INSTALL_DIR` to match your installation directory.
3. For convenience, link the shell script to the `bin` directory:
   `$ mkdir -p $HOME/bin; cd $HOME/bin`
   `$ ln -s [your install dir]/fuzzydl`

Register the Gurobi solver

Gurobi is a Mixed-Integer-Linear-Programming solver released under a commercial license.

For non-commercial purposes, you can obtain an academic license for free:

1. Go to <u>Gurobi.com</u> and create an account.
2. Select from the menu *DOWNLOAD > LICENSES*.
   Then click *FREE ACADEMIC* from the menu on the left.
3. Read all license agreements and request a new license.
4. Open your Linux machine with FuzzyOWL installed.
5. If you did **not use** VirtualBox, fix your paths by running
   `$ . fuzzydl > /dev/null 2>&1`
6. Register your reasoner by issuing the command from Gurobi website
   `$ grbgetkey [here comes your license ID]`

Run the FuzzyDL reasoner

At this point, you should be able to run the *fuzzyDL* reasoner.

1. FuzzyDL likes to have the `CONFIG` file in the current directory:
   `$ cp [install dir]/FuzzyDL/CONFIG ./`
2. Copy a test ontology to see if the reasoner works:
   `$ cp [install dir]/FuzzyDL/test.txt ./`
3. Run the reasoner!
   `$ fuzzydl test.txt`