Installing V-REP on Ubuntu 16.04

This file will help you to install V-REP (Virtual Robot Experimentation Platform) on your Linux Ubuntu (16.04) machine.

What is V-REP?

V-REP is a simulator which is based on a distributed control architecture: each object/model can be individually controlled via an embedded script, a plugin, a ROS node, a remote API client, or a custom solution. V-REP is a very versatile and ideal simulation software for various applications like simulation of factory automation systems, Remote monitoring, Hardware control, Robot related education etc. V-REP can be used as a stand-alone application or can easily be embedded into a main client application: its small footprint and elaborate API makes V-REP an ideal candidate to embed into higher-level applications.

Installing instructions:

This document assumes that the host OS on which V-REP is to be installed is **Ubuntu 16.04 LTS**. This documents offers a very concise walkthrough of the V-REP installation. For a detailed explanation of VREP , please visit the V-REP user manual installation page.

Follow the guidelines to run V-REP:

• Download V-REP for Ubuntu (64-bit) / (32-bit) [Direct Download].

• After downloading **V-REP_PRO_EDU_V3_5_0_Linux.tar.gz**, right click it and select open with archive manager and extract to your *home*.

• Open terminal and using cd command enter into the directory **V-REP_PRO_EDU_V3_5_0_Linux**.

    cd ~/V-REP_PRO_EDU_V3_5_0_Linux
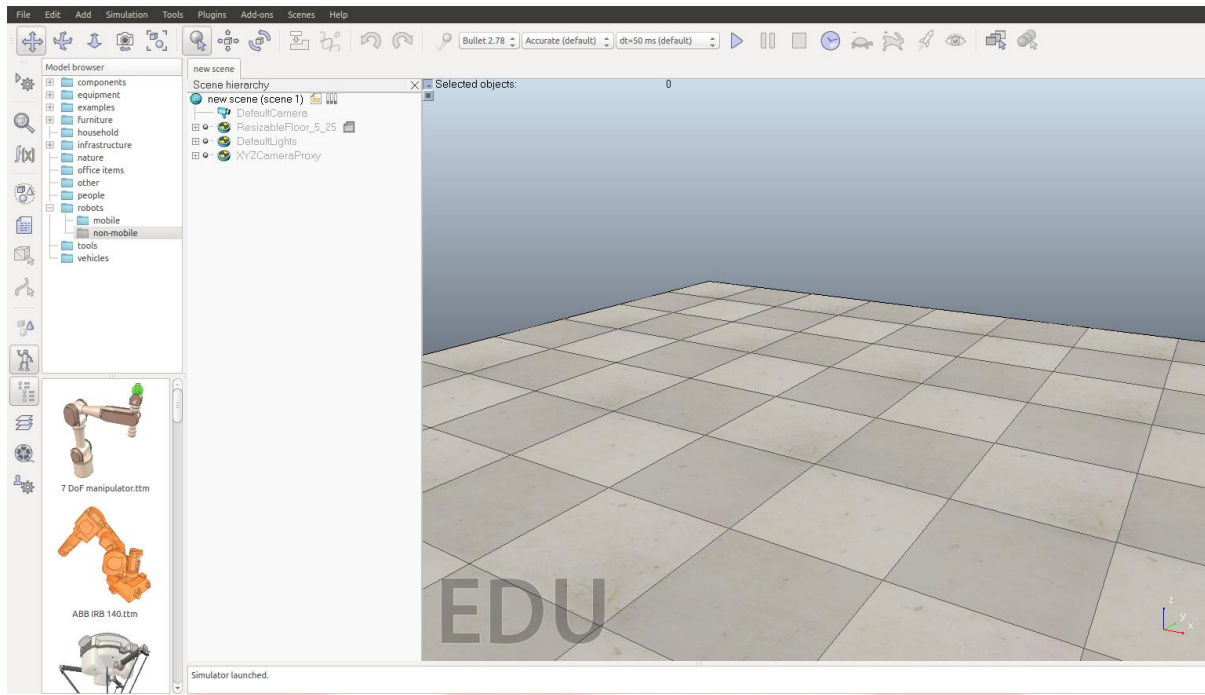
• In the terminal, type `./vrep.sh` to run VREP. A window should open as shown in Figure 1 below:

Figure 1: V-REP Simulator