Learning for Adaptive and Reactive Robot Control

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1 Instructions for usage of Virtual Machines

Go to `vdi.epfl.ch`. There are two options to use the virtual machines; by installing a client or by accessing via HTML. Choose your preferred option and follow the steps in the corresponding section. We suggest the HTML Access option as it is usually faster. However, it comes with the disadvantage of having to manually synchronize the files. In most cases, **the best option is still to install and run MATLAB directly on your machine**.

1.1 VMWare Horizon HTML Access

Note: With this option, it is not possible to connect a USB drive. All files have to be synchronized manually between your computer and the virtual machine.

1. Click on *VMWare Horizon HTML Access*.
2. Accept the terms and conditions and log in with your GASPAR credentials.
3. Choose machine *STI-WINDOWS10*.
4. Once logged in to the virtual desktop, find the *File Transfer panel* from the top bar of the VMWare menu. The VMWare menu can be accessed by clicking on the three vertical bars on the very left of your virtual desktop (see figure 1). **HINT:** Do not try to use `ctrl + C` while having the *File Transfer panel* open (e.g. for copying files), except if you really want to download a file as described in the panel.
5. Get your files:
   - Either drag and drop the exercise material as `zip` file(s) from your computer to the *File Transfer panel*. This will upload the zipped file(s) to the `Documents` directory of the virtual machine.
   - Or, log in to your Moodle and download the files directly to the virtual machine.
6. Unzip the file(s) and restore the required directory structure (see exercise instructions).

7. Open MATLAB and start with the exercises.

8. **IMPORTANT!** Download your files at the end of each session as zipped file from the *File Transfer panel*, so you can upload it again the next week! Otherwise, your progress is lost.

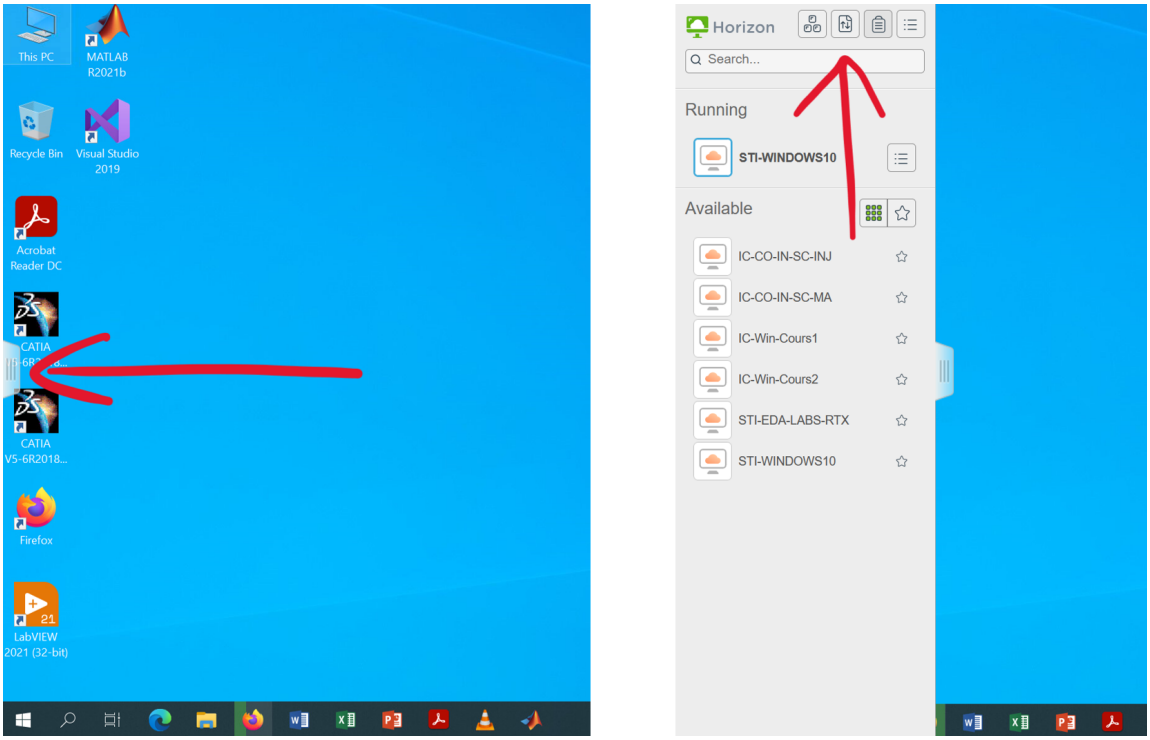

Figure 1: How to find the *File Transfer panel*.

1.2 Install VMWare Horizon client

1. Click on *Install VMWare Horizon client* to download the installation file.

2. Start the installation process:

   (a) Linux: Open a terminal, `cd` to the location of the downloaded file and run `sudo sh VMWare-Horizon-Client-XXX.xXX.bunde`.

   (b) Windows: Go to the downloaded file and run it.

   (c) MacOS: Launch the `.dmg` file and follow the instructions. Then place `VMware Horizon Client` in your `Applications` folder.

3. Accept the license agreement.

4. Continue with the default options and install.

5. After installation, open the client and add server with URI `vdi.epfl.ch`.

6. Accept terms and conditions again and log in with your GASPAR credentials.

7. Choose machine *STI-WINDOWS10*.

8. Accept to share your local drive with the virtual machine to simplify file transfer. Then, open Windows Explorer, navigate to *This PC* → *Network locations* → Your drive → location of the files on your machine, open the desired script with MATLAB.

9. Start with the exercises.

10. Before logging out from the virtual session, make sure that your progress is saved either on your local file system.