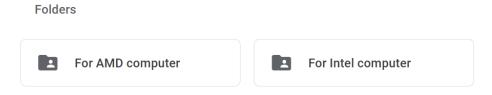
AUBORPE Virtual Machine User Manual 2023 Version

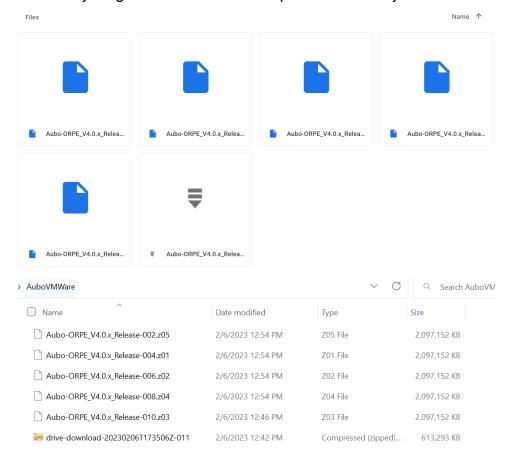
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1. Downloading AUBORPE

1.1. Go to the google Drive via link. Navigate to the folder for your computer's processor. I will navigate to "For Intel computer" folder for example.

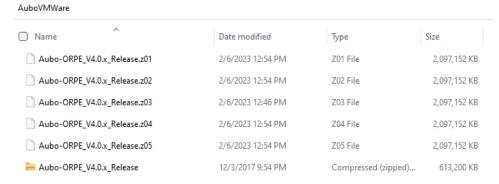


1.2. Download everything in this folder into a separate folder at your desired destination:

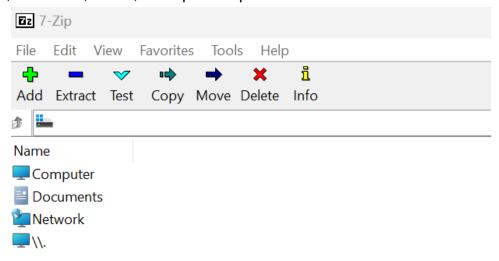


2. Extracting AUBORPE

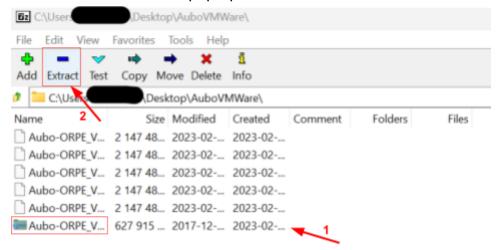
2.1. In order to extract the files successfully, you need to firstly rename the files and then download 7-zip. Please rename the files so that their names are identical to the one below. Essentially, you need to delete the last four characters in the five filles.



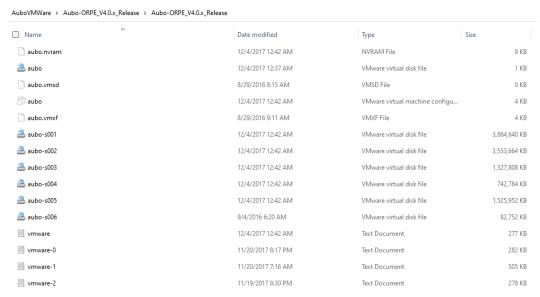
2.2. Then, download, install, and open 7-zip. You should see the below window.



2.3. Then, go to the folder where you kept all the files, select the zip file and click "Extract". Click on "OK" if there are pop-up windows.

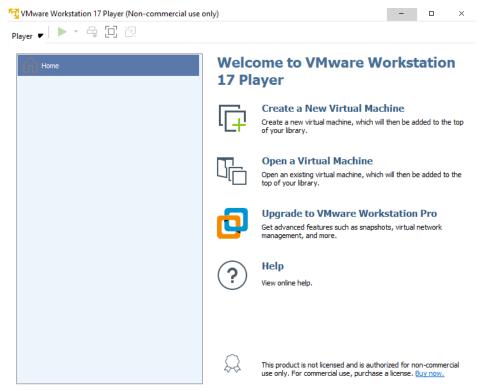


2.4. If you have the same file names with the same sizes as shown below, it means you have successfully extract the AUBORPE. Now you can move on to the next step. If not, please review the previous instructions and see if you have missed some important steps.



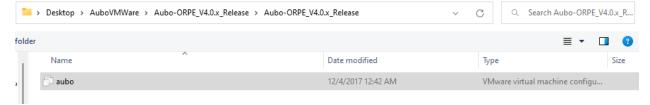
3. Installing VMware Workstation

Download and Install VMware Workstation. You may choose to use "Player" version for free.

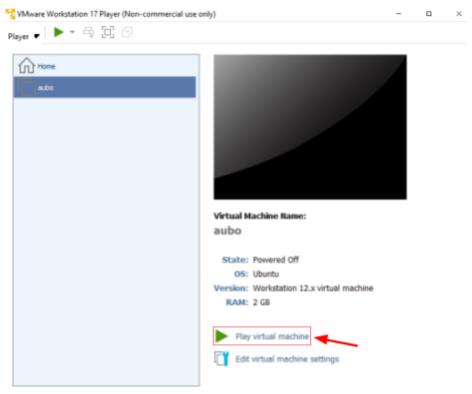


4. Open AUBORPE in VMware Workstation

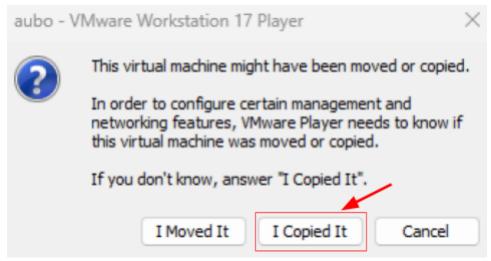
4.1. "Open a virtual Machine" on the VMware workstation and select your "aubo" VMware virtual machine configuration file.



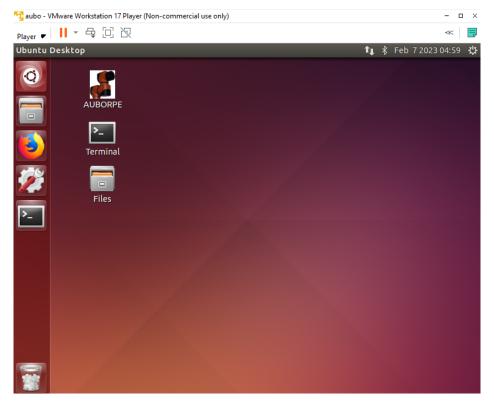
4.2. Then, you can choose to allocate the appropriate amount of RAM for the virtual machine, depending on your needs. If you would like to proceed with the default setting, then run the virtual machine.



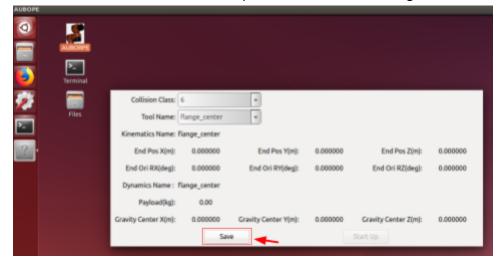
4.3. When the virtual machine is running, if you see the prompt below. You should select "I Copied It".

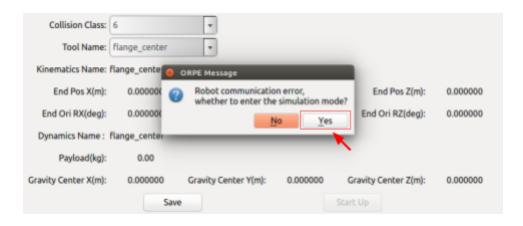


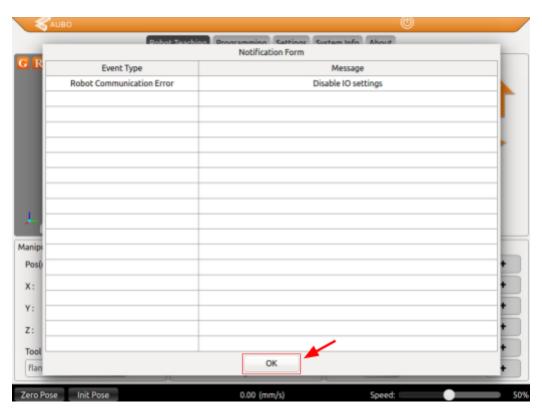
4.4. Wait for the virtual machine to boot. If successful, you have entered the virtual machine.

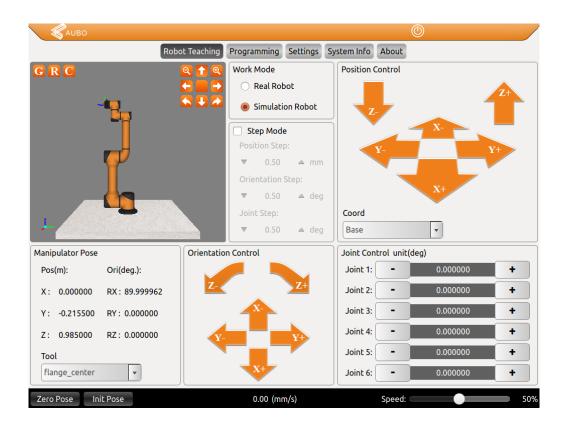


4.5. Double click AUBORPE, follow the steps below and start using AUBORPE.







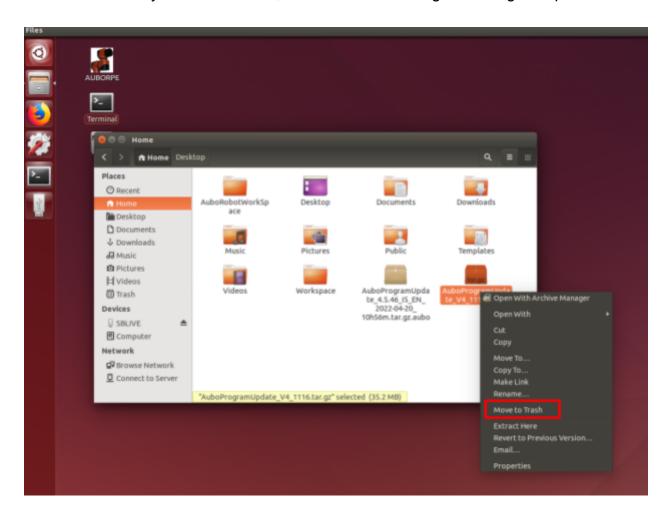


5. Update AUBORPE Version

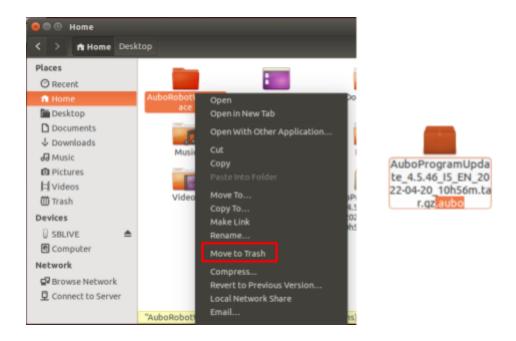
5.1. For example, we want to update our AUBORPE version from v4.0.19 to v4.5.46.



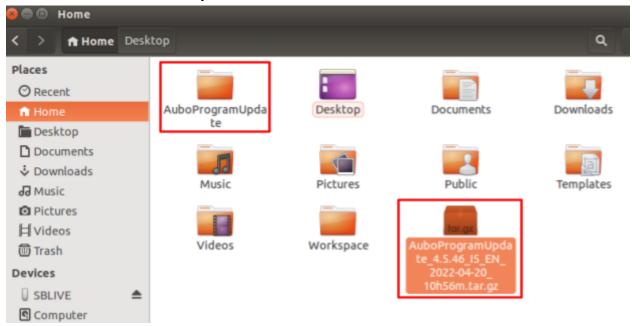
5.2. We firstly need to download the update packages from AUBO website and copy it to "Home" directory as shown below, and delete the existing AuboProgramUpdate folder.



5.3. We then need to rename the file by removing the ".aubo" suffix, and save your project files if needed, and delete the AuboRobotWorkspace folder.



5.4. Right click the file and select "Extract Here" to extract the "AuboProgramUpdate" folder at the current directory.

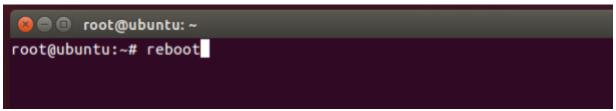


5.5. Then, open terminal at the current directory and execute "cd AuboProgramUpdate", after which execute "./upgrade.sh.x upgrade I5 for versions after 4.5.40. For older versions, please execute "./upgrade.sh.x" instead. Now, wait for the upgrade to complete.

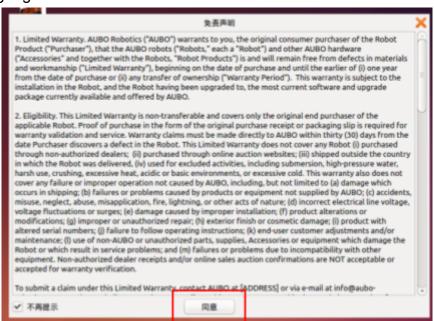
```
root@ubuntu:~/AuboProgramUpdate/
root@ubuntu:~/AuboProgramUpdate/
root@ubuntu:~/AuboProgramUpdate# ./upgrade.sh.x upgrade I5

运行脚本:/root/AuboProgramUpdate/Scripts/upgrade/install_change_robottype/aubo_s
oft_shortcut.sh
更新文件: /root//AuboRobotWorkSpace/version.conf
更新文件: /root//AuboRobotWorkSpace/readme
>>>>> Upgrade complete
root@ubuntu:~/AuboProgramUpdate#
```

5.6. After the update is complete, open up a new terminal window and execute "reboot" to reboot the system. You may need to wait for a few minutes to reboot the system.



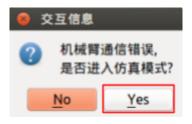
5.7. After the system is successfully rebooted, you will automatically enter "AUBOPE". Click the following icons to enter AUBOPE, and change your language setting to your preferred language.



The default password to "admin" is 1.



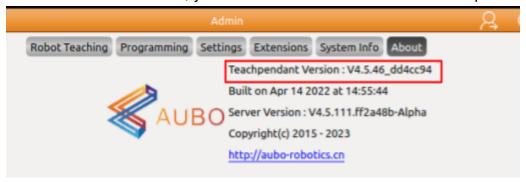








Check "About" in AUBORPE now, you should see that its version has be updated.



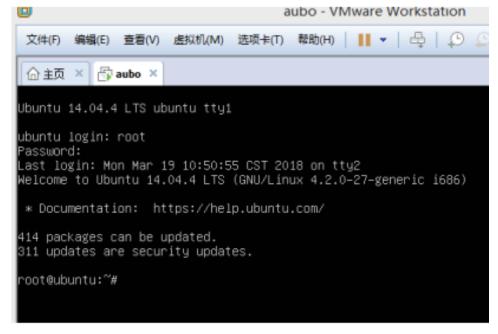
6. Create AUBORPE Desktop Icon on Ubuntu

(You do not need this step for software system updates after version 4.5.40! Skip to Sections 7 and 8.)

6.1. After software upgrade, the original AUBORPE will disappear from the Desktop and quick start menu. We need to bring them up.

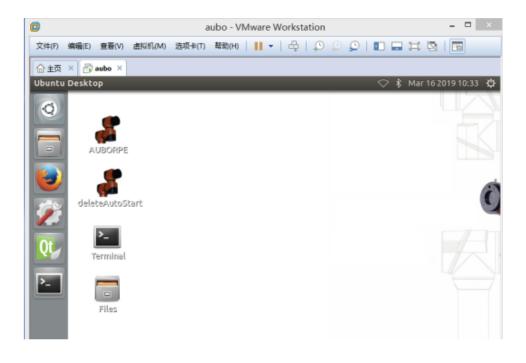


6.2. Ctrl + Alt + F1, to enter the terminal first, and then input "root" after ubuntu login, and "user" after password. Then, return.



6.3. Then, input "

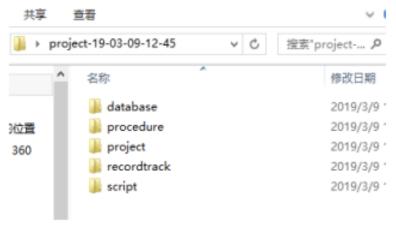
mv .config/autostart/auboApp.desktop .config/autostart/auboApp.desktop.bak" and return. After it is done, we need to input "reboot" to reboot the system. Then, we can see that AUBORPE icon reappears.



7. Import Projects into the Virtual Environment

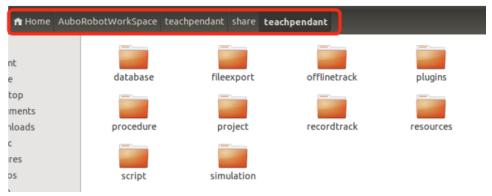
7.1. Here is an example of importing existing projects from other sources into the current virtual environment.

Extract the file and we will have the following files.

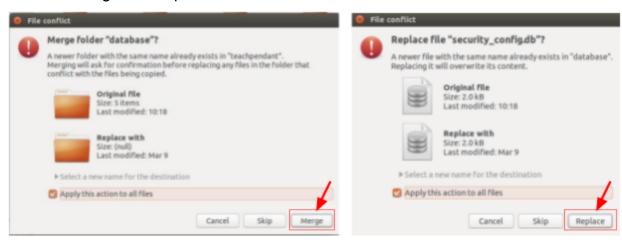


- 'database' folder contains the variables, coordinate systems, and safety parameters, etc.
- 'procedure' folder contains processes.
- 'project' folder contain existing projects.

- 'recordtrack' folder contains the track record.
- 'script' folder contains scripts.
- 7.2. Copy these five folders into the following directory in the virtual environment. (You can also only copy the ones that are necessary.)



7.3. Click "Merge" or "Replace"

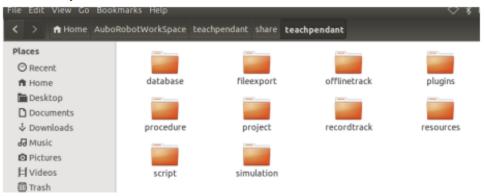


7.4. Now open AUBORPE, you can view the imported projects in the "Project" section.



8. Export Projects from the Virtual Environment

Go the below directory in the virtual environment.



Copy the below five folders into your USB drive:

- 'database' folder contains the variables, coordinate systems, and safety parameters, etc.
- 'procedure' folder contains processes.
- 'project' folder contain existing projects.
- 'recordtrack' folder contains the track record.
- 'script' folder contains scripts.

Based on user's needs, you can choose to only copy necessary files or folders into your USB drive.