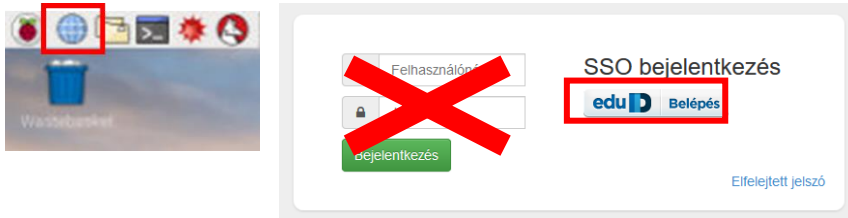


Starting a virtual machine

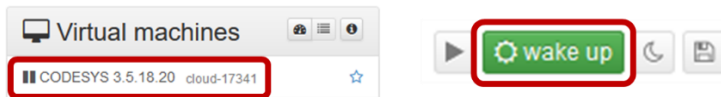
1. Start a browser (use the globe icon on the taskbar at the top of the screen) and log in to **fured.cloud.bme.hu** using eduID authentication!



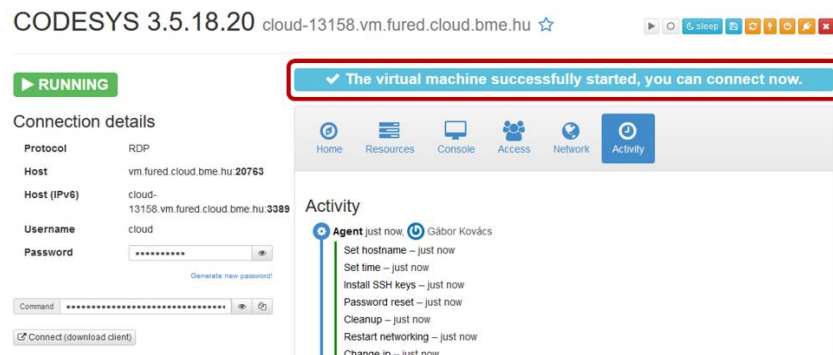
2. If the list of your virtual machines is empty, start a new virtual machine! Choose the **CODESYS 3.5.18.20** template from the list and click on the Start button!



If you have a virtual machine suspended, click on it in the list, and as its status pane opens, wake it up by clicking the wake up button!



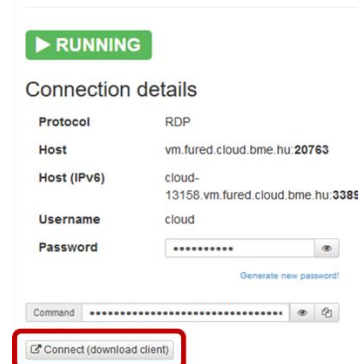
3. After starting a virtual machine, its status pane is displayed. Wait until the VM boots up and gets ready for connection! You can connect the VM after the message *The virtual machine successfully started...* is displayed.



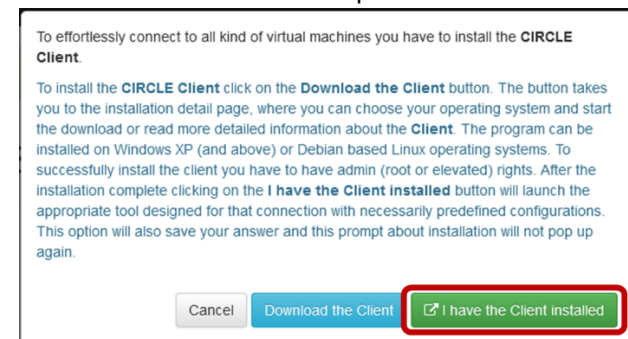
Connecting to the virtual machine

1. Click on the Connect button on the status pane of the virtual machine!

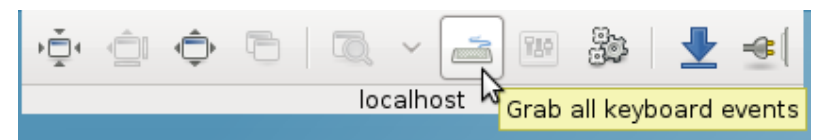
CODESYS 3.5.18.20 clou



2. Choose the I have the Client installed option!



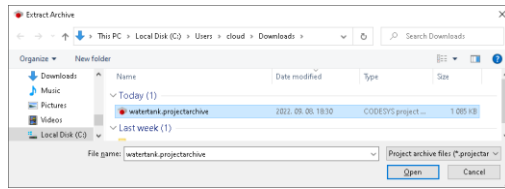
3. Click on the **Launch Application** button!
4. Click on the **Accept Certificate** button!
5. After connecting, activate the **Grab all keyboard events** option on the dashboard at the top of the screen, so you will be able to switch windows using the Alt-Tab keyboard shortcut.



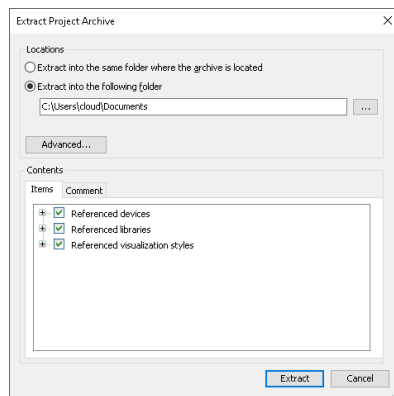
6. You can use the plug icon of the right hand side of the taskbar at the top to disconnect from the virtual machine at the end of the practice.

Opening a skeleton project

1. Use the File > Project Archive > Extract Archive menu command and choose the project archive file you would like to use!



2. In the dialog displayed, keep all checkboxes checked and click on the Extract button! Files of the archive are extracted to the Documents folder by default (it can be changed to any preferred folder).



Running the application on the softPLC

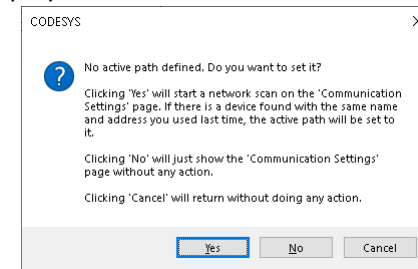
1. Check if the softPLC is running! If the icon on the taskbar is gray (image on the left), right-click on it and choose Start PLC! If the icon is coloured (image on the right), the softPLC is already running.



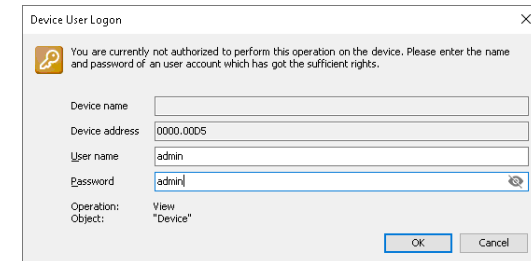
2. Connect to the softPLC using the Online > Login menu command, the Alt+F8 keyboard shortcut or the icon below!



3. When connecting to the softPLC for the first time, click on the Yes button of the dialog displayed!

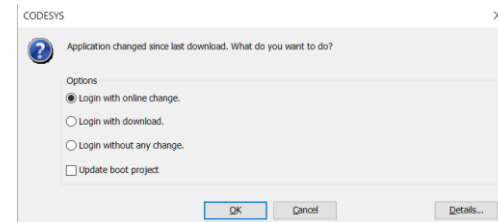


When connecting the first time, you have to log in to the softPLC using the user name **admin** and password **admin** (you won't need to log in during the future connections).



After entering your credential, connect again using the Online > Login menu command, Alt+F8 keyboard shortcut or the icon!

4. If you have changed the application, choose the appropriate option in the dialog below (use Login with download if you are not sure) and click OK!



You shall click Yes in the dialog displayed when you download the application at first.

5. If the application is not running on the softPLC, you can start it using the Debug > Run menu command, by pressing F5 or by clicking on the Play icon of the icon bar.