
ROBOTSTUDIO VIRTUAL HUMAN

Installation of the Virtual Human

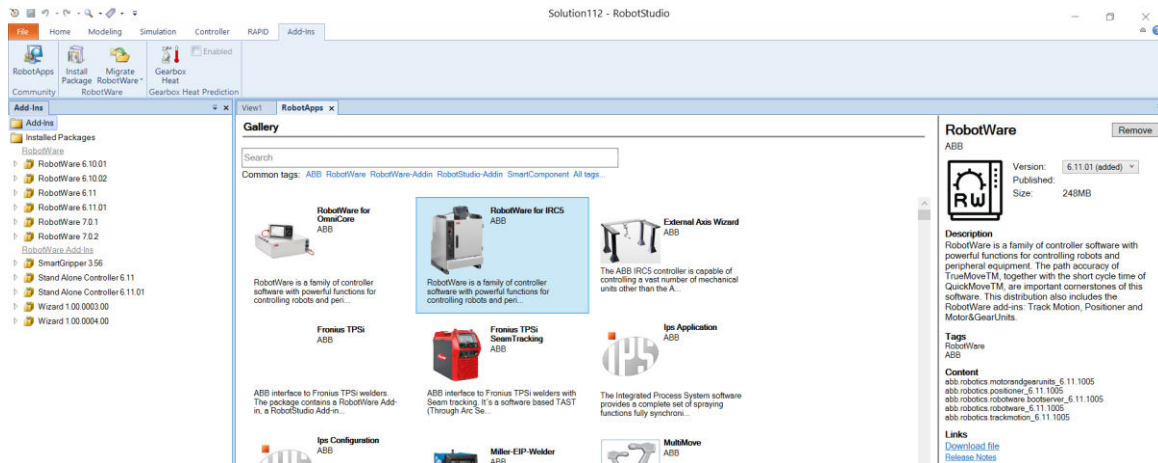


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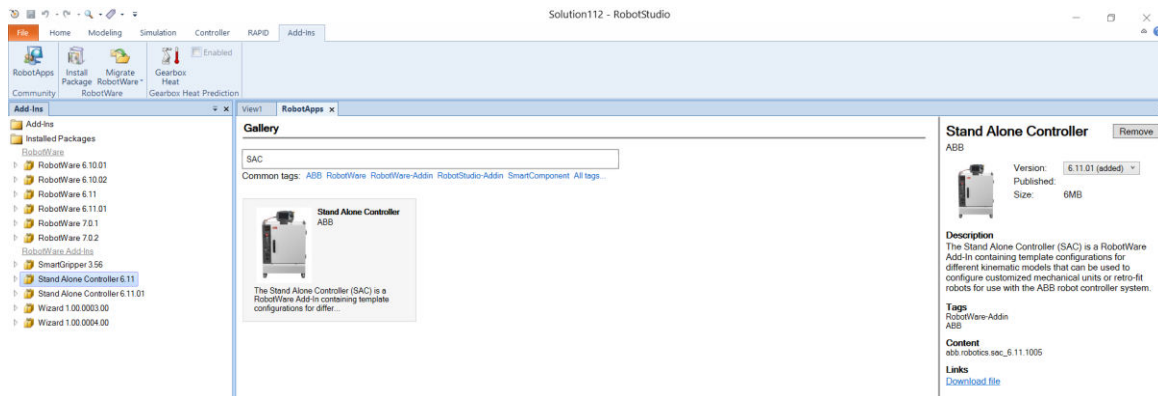
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Requirements:

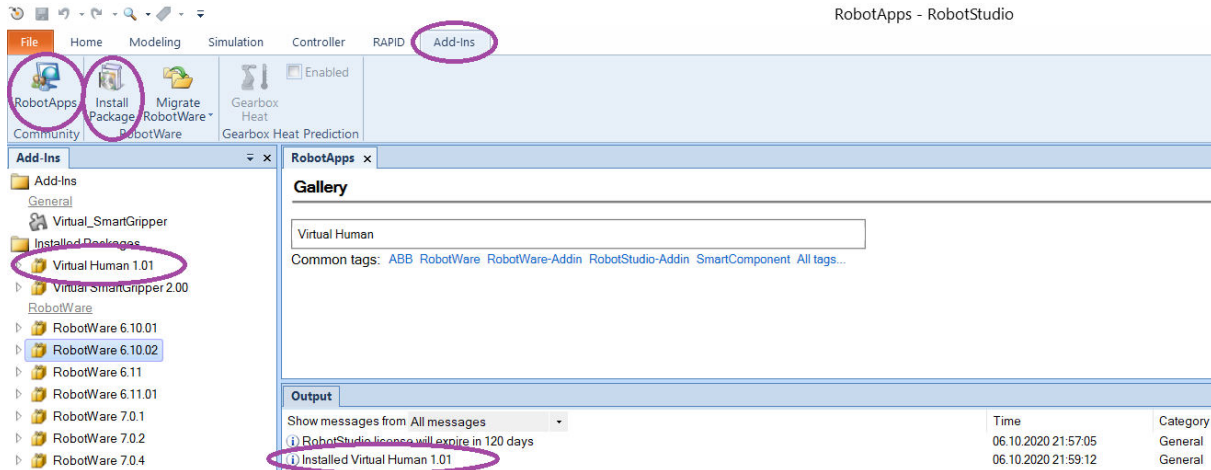
- The package file for the Virtual Human mentioned in this document (“Virtual_Human-X.X.rspak”) can be found on the SharePoint Page “Collaborative Robots and Wizard Easy Programming/ Documents/SmartComponents and AddIns/Virtual_Human” or in the ABB Library.
- Please Note: The Versions for the RobotWare and the SAC will change in the future!
- The correct Versions of the RobotWare and the SAC (Stand Alone Controller) must be installed.
 - Please ensure that the required “RobotWare” Version, that your Virtual Human Controllers are using, is installed. Actual RW Version: 6.11.01.



- Please ensure that the “Stand Alone Controller” Version, that your Virtual Human Controllers are using, is installed. Actual SAC Version: 6.11.01.



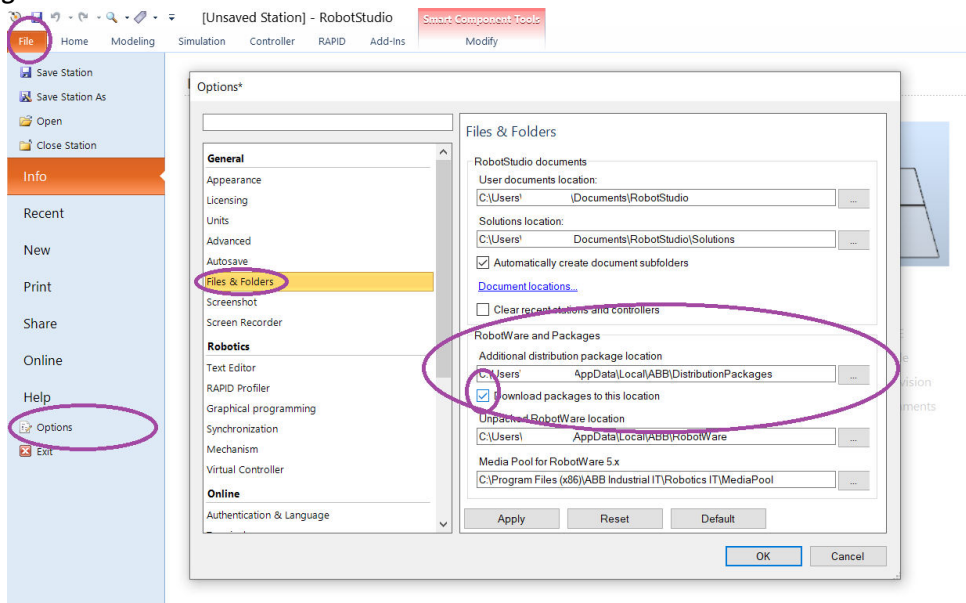
Installation Process:



- Open RobotStudio & navigate to the AddIns Tab
- Select RobotApps, and search for the Virtual Human
 - If it is not available on RobotApps, you can install the '*.rspak' package file manually, by clicking on 'Install Package'. Browse and select "Virtual_Human-X.X.rspak", that you downloaded previously. The package gets installed.
- Wait until the installation was finished (info displayed in RobotStudio's "Output" window)
- Close & Reopen RobotStudio, the AddIn has been loaded

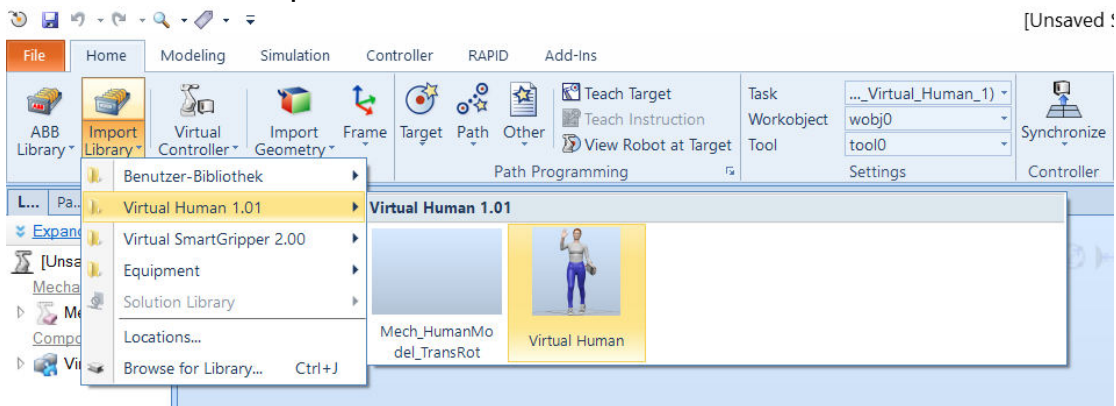
Installation Location

- The default Installation Location of RobotStudio will work, but:
- If you want to add/edit your own CADs for the Virtual Human, you probably need Admin rights to execute those operations.
- If you don't have Admin rights on your PC, you can install the Package in your 'AppData' Folder, under 'ABB\DistributionPackages'. Then you can edit & save the CADs there.
- Changing Installation Location:



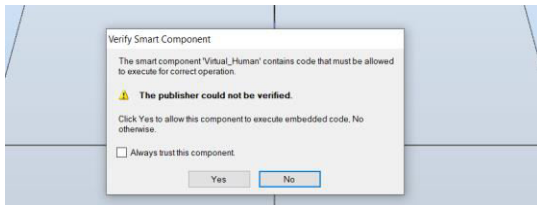
Importing Process:

○ **Load the Smart Component of the Virtual Human with RobotStudio**

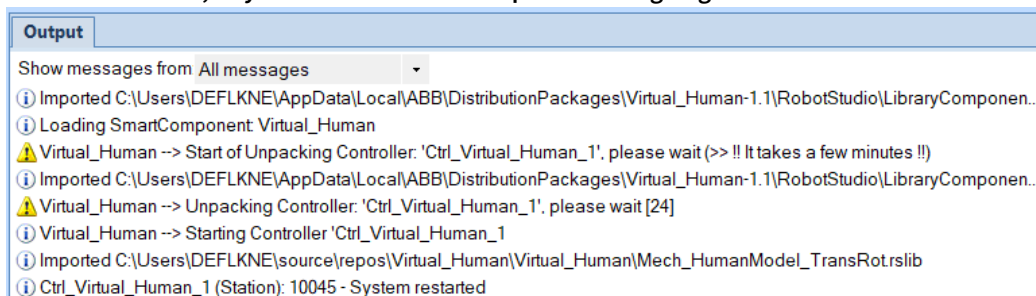


- In RobotStudio’s Home tab, select “Import Library” and look after the section Virtual Human, located in the “Virtual_Human” directory, as “Virtual_Human.rslib”.

○ **A dialog box pops up, asking if this component can execute. This must be accepted.**



- Wait until the Smart Component is loaded.
- Afterwards wait (this step can take a few minutes, during my tests < 30 seconds) until the virtual human controller is unpacked. (This step is only done the first time you run a “Virtual Human” Controller; loading will be much faster when reusing it next time)
- During this process, a warning is displayed in the “RobotStudio” Output window, which gets updated each second, so you can ensure that this process is ongoing.



- When the controller is successfully unpacked it will start automatically.
- A dialog box pops up, asking for the mapping of the controller mechanism. Press ‘OK’ to browse for the controller mechanism. Search and select the ‘Mech_HumanModel_TransRot.rslib’, located in your unpacked ‘Virtual_Human-X.X’ folder.
- After selecting the mechanism, wait until the Human Model is visible.

After Importing

- For first testing, you can directly start the RAPID program, to see the Human walking around in your station.
- Please look inside the 'Documentation' folder or watch the tutorial Videos for more information.

- You can share your feedback/ give suggestions here:
 - via the RobotStudio Forum: <https://forums.robotstudio.com/>
 - via the Virtual Human SharePoint Page(ABB-Internal): [SharePoint Link](#)
 - via email: <mailto:florian.knecht@de.abb.com>
 - Please Note: Have a look at the Document "Virtual Human Future". There you will find information about the actual plans for the future of this project.