VMCsi & TCsi - Install Run MyVirtual Machine (RMVM)

Install Siemens Run MyVirtual Machine (RMVM) on a Windows PC and load your machine file.

Written By: Ryan Levrini

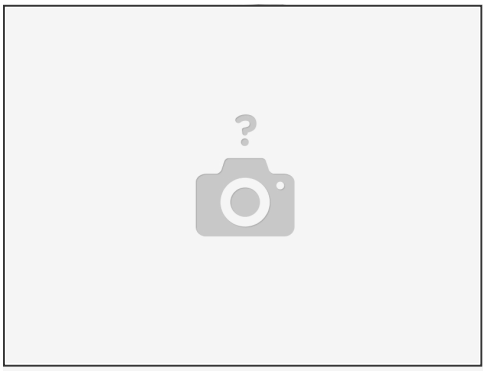


INTRODUCTION

Install Run MyVirtual Machine (RMVM), the SINUMERIK ONE digital twin, on a Windows PC: download the files, install the software and the license server, assign the license, and load your machine file.

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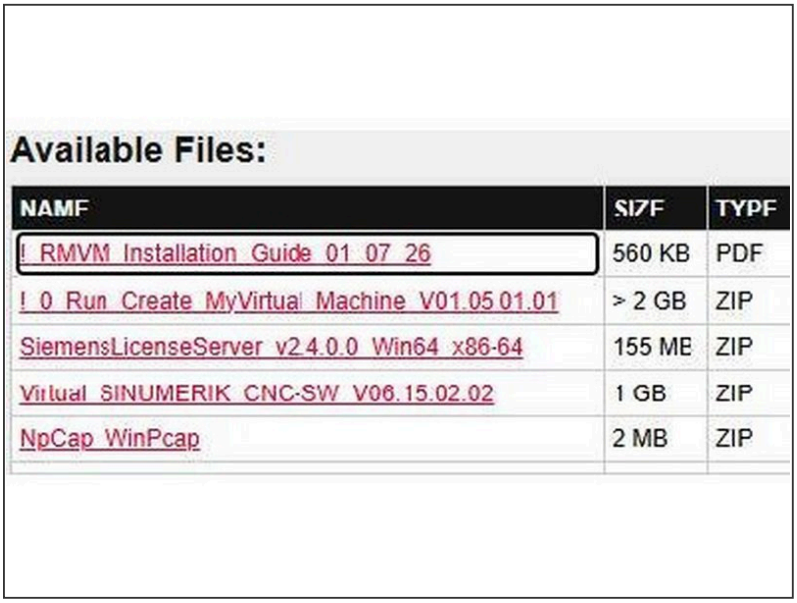
Step 1 — Before You Start: Get Your License



- RMVM needs a Siemens license. The license is issued after your order is processed.
- After your order is received, TRAK contacts you with a link to the **getcid** program.
- Run **getcid.exe** on the computer where RMVM will be installed.
- Take a screenshot of the window that opens and send it to TRAK. It shows the computer's Host Name and Composite ID, which Siemens uses to create your license.
- Siemens emails you the license file. This can take some time.
- Save the license file to your **Documents** folder.

⚠ Do not start the installation until you have the license file. It cannot succeed without it.

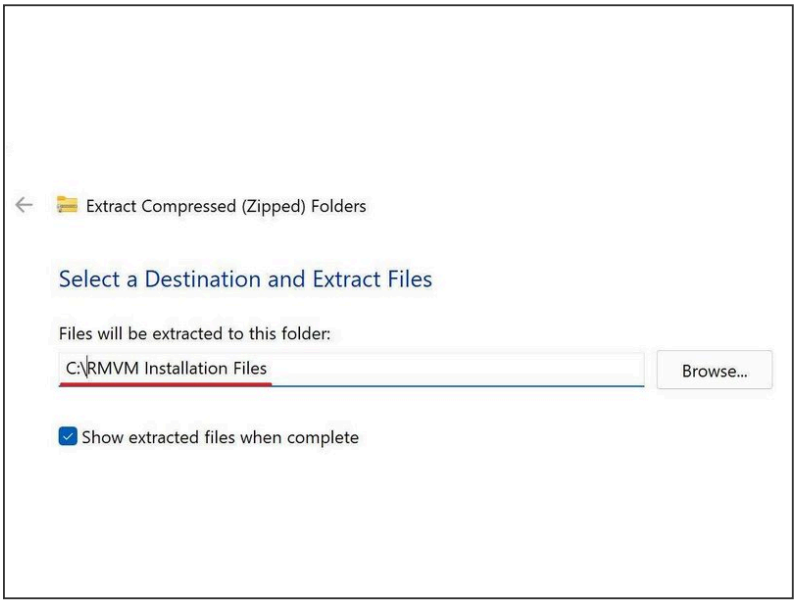
Step 2 — Download the Installation Files



- Go to RMVM New User Files Download.
- Download all files:
  - RMVM Installation Guide (PDF)
  - Run Create MyVirtual Machine V01.05.01.01 (over 2 GB)
  - SiemensLicenseServer v2.4.0.0 Win64 x86-64
  - Virtual SINUMERIK CNC-SW V06.15.02.02
  - NpCap WinPcap

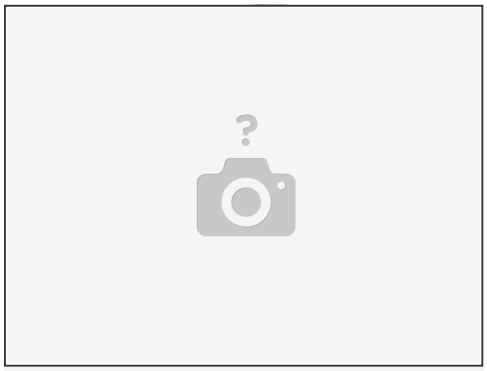
ⓘ The downloads can take a while, depending on your internet speed.

Step 3 — Extract the Files



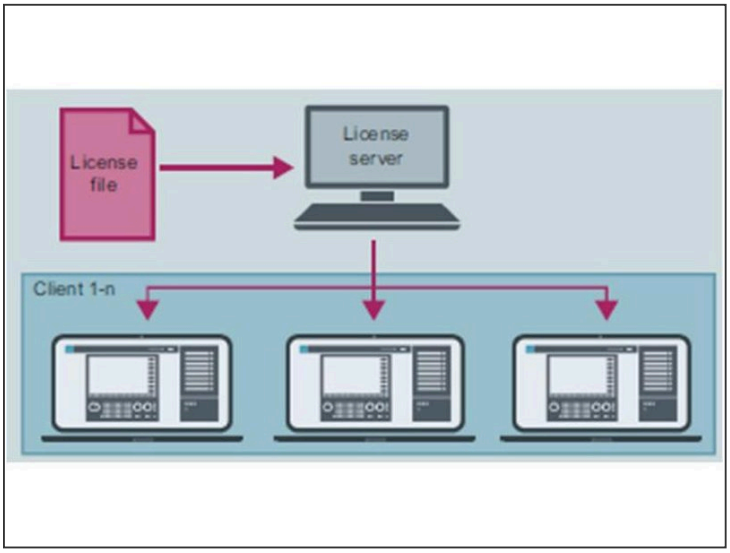
- Open your **Downloads** folder.
- Right-click each zip file, select **Extract All**, and extract it to **C:\RMVM Installation Files**.

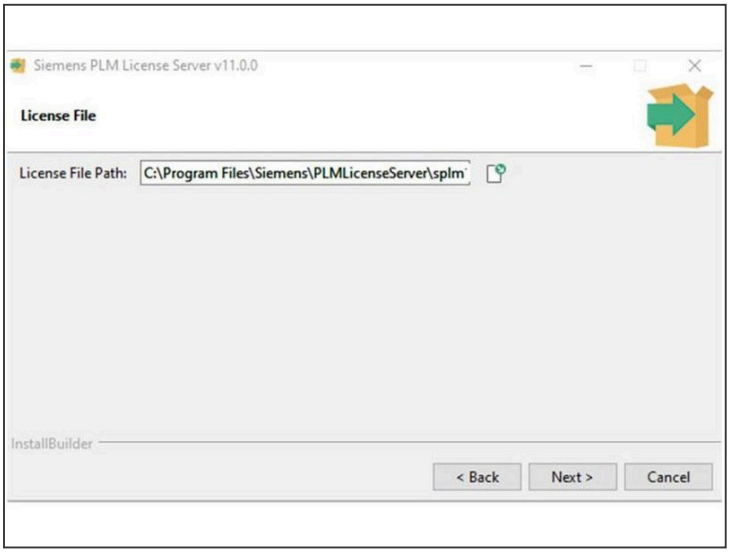
Step 4 — Install Npcap and Run MyVirtual Machine



- Open **C:\RMVM Installation Files**.
- Open the **Npcap_WinPcap** folder and follow the instructions in its PDF installation file.
- Open the **Run_Create_MyVirtual_Machine_V01.05.01.01** folder and double-click **Start.exe**.
- Reboot the computer if asked.
- After the reboot, accept all defaults and let the installation finish. Reboot again if asked.

Step 5 — Install the License Server





ⓘ The most common RMVM license is a floating license. You can install RMVM on as many computers as you like, but only one user per license can run it at a time.

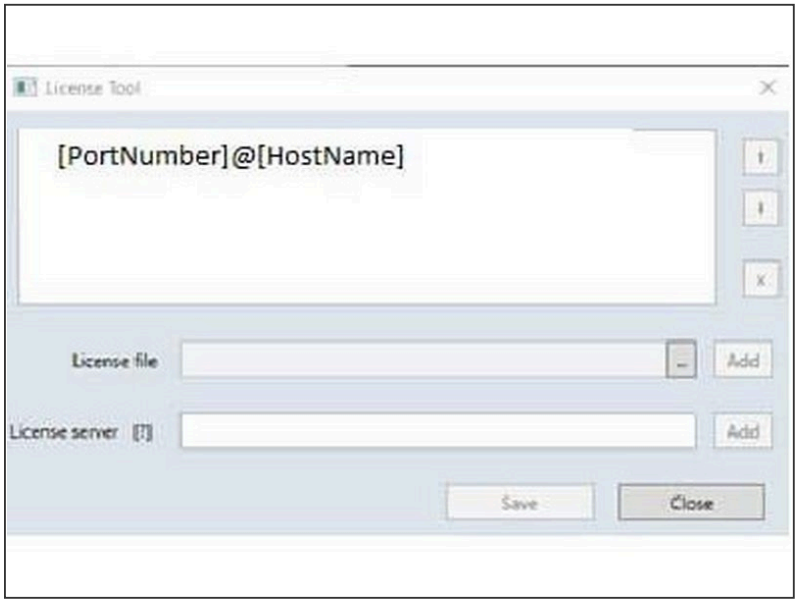
ⓘ The license server can be a separate PC, or the same PC that runs RMVM.

- Open the **SiemensLicenseServer** folder and double-click **SiemensLicenseServer_v2.4.0.0_Win64_x86-64.exe**.

⚠ When the installer asks for the **license file location**, point it to the license file in your **Documents** folder.

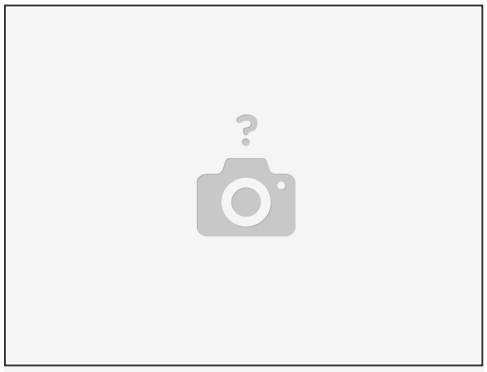
- Let the installation finish.

Step 6 — Assign the License to Run MyVirtual Machine



- Open the License Tool: **Start → Siemens Automation → RMVM_LicenseTool**.
- In the **License server** field, enter **[PortNumber]@[HostName]**, using your computer's host name.
  - Example: **28000@MYPC**
- Click **[Add]**, then **[Save]**, then **[Close]**.

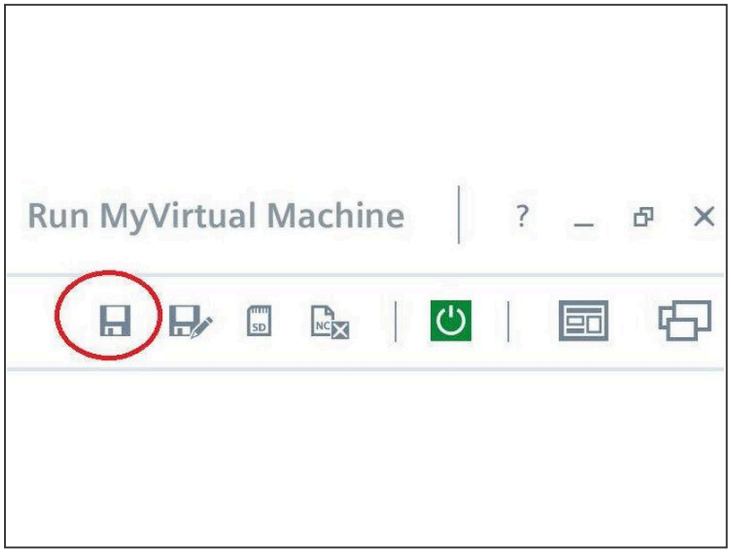
Step 7 — Install the Virtual CNC Software



- Open the **Virtual_SINUMERIK_CNC-SW_V06.15.02.02** folder in **C:\RMVM Installation Files**.
- Double-click **Start.exe**. The installation wizard opens.
- Follow the wizard and confirm the prompts.
- Restart the computer when the installation finishes.

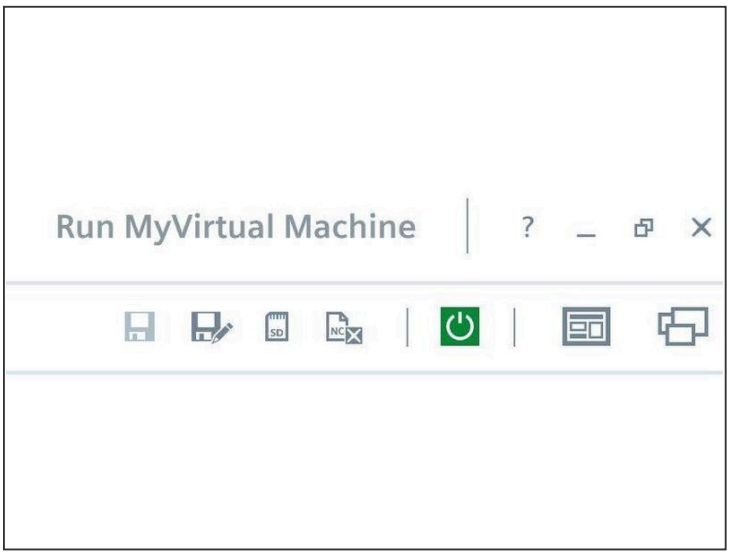
Step 8 — Load Your Machine File

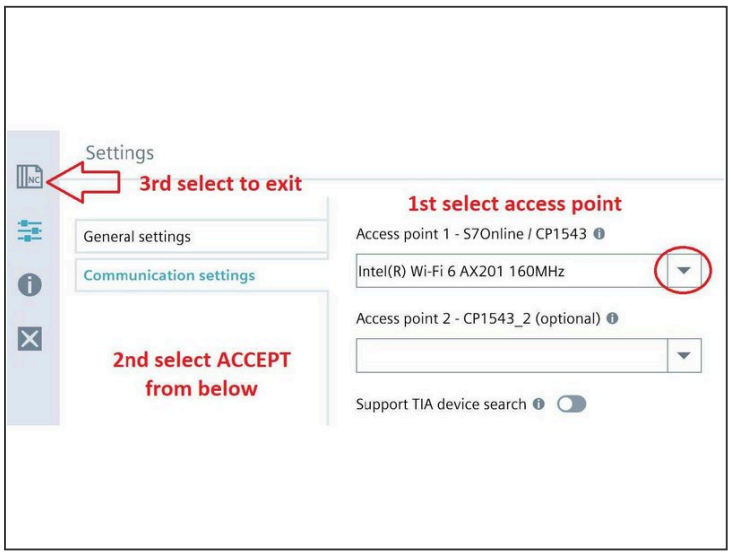




- Copy your machine **.vcp** file into **Documents\Siemens\Automation\Create and Run MyVirtual Machine**.
- Launch the software with the **RUN MyVM** icon on your desktop.
- Click **[Browse]** in the icons at the bottom of the screen, then select your machine file.
- Under **HMI settings**, set **Panel resolution** to **WVGA** to start. You can change it later.
- Press the **[Save]** button.

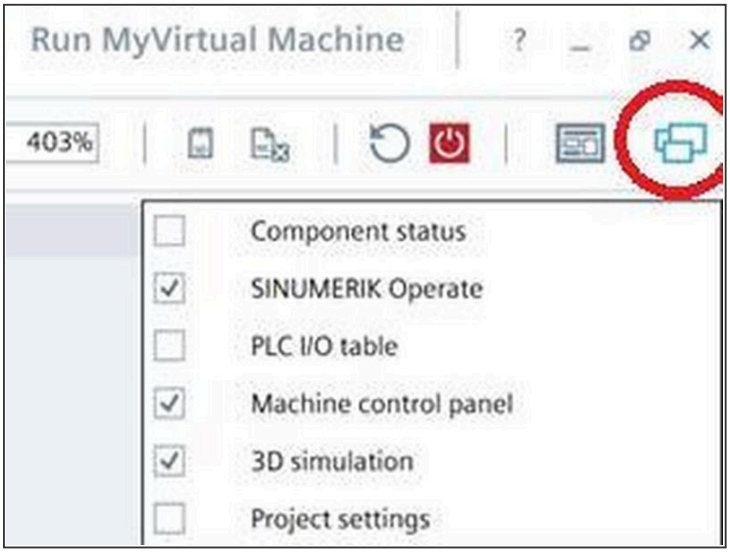
Step 9 — Start the Machine

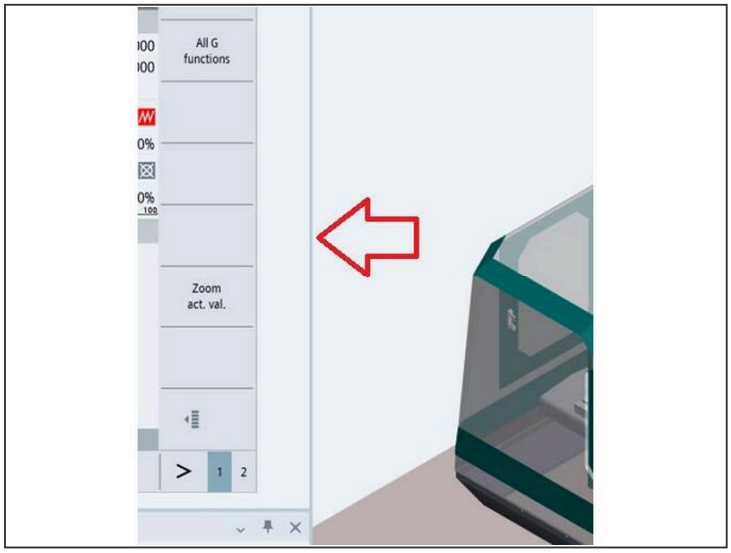




- Press the green **[Start Machine]** button.
- The first time only, the communication settings open:
  - Select your network adapter under **Access point 1**.
  - Select **[Accept]** at the bottom.
  - Select the **NC** icon at the top left to exit the settings.
- Press the green **[Start Machine]** button again. The machine boots.

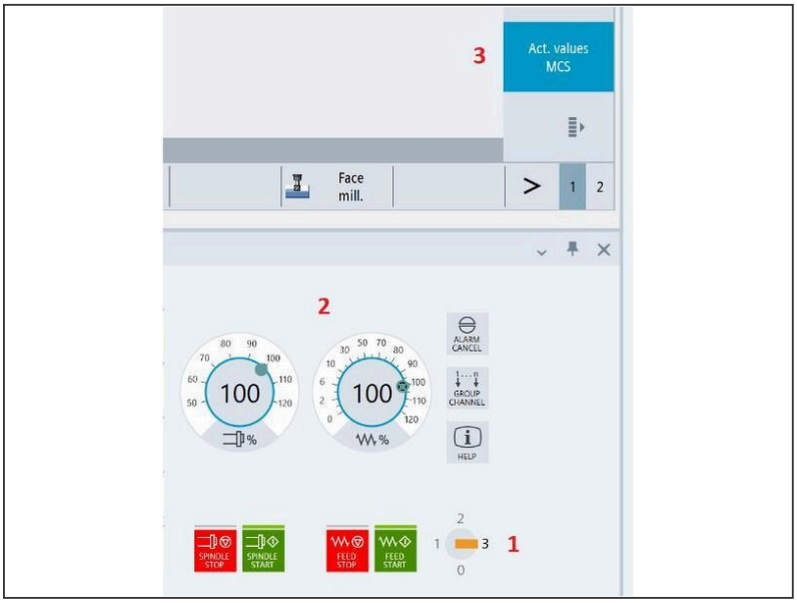
Step 10 — Set Up the Workspace





- Click the window layout icon at the top right of the screen.
- Uncheck every box except **SINUMERIK Operate**, **Machine control panel** and **3D simulation**.
- To resize the screens, hover over the vertical bar between the Operate and 3D screens, then click and drag it.

Step 11 — Prepare the Machine to Run

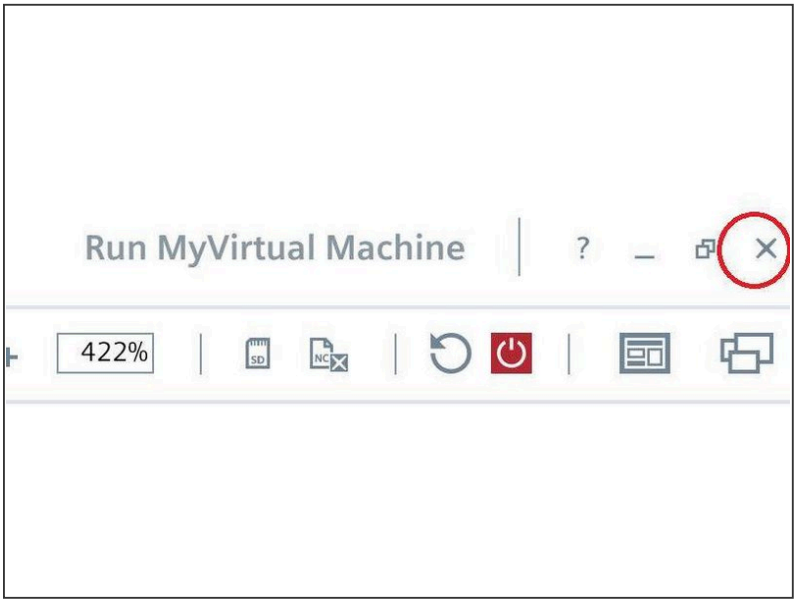


⚠ Do these three every time you launch the software:

- **(1)** Set the access level to **3** by clicking **3** on the key switch.
- **(2)** Set the spindle and feed overrides to **100%**.
- **(3)** Click **[Act. values MCS]**.

- RMVM is ready to run.

Step 12 — Close and Relaunch



- Click the **X** at the top right of the screen to close the software.
- When asked to save, select **Yes** to keep your work, or **No** to discard it.
- Next launch: your machine file is already selected. Press **[Boot Project]**. Your screen settings are kept.