

For the 2022 course of Formal Methods for Secure Systems at the University of Pisa, the students need a machine with Ubuntu 16.04 and several tools: INTO-CPS, PVS, and Mobius, plus all their dependencies.

Please notice that PVS is not available for Windows machines.

The tools can be downloaded separately:

INTO-CPS (latest release):

<https://github.com/INTO-CPS-Association/into-cps-application/releases/tag/v4.0.5>

PVS (version 6.0):

<https://pvs.csl.sri.com/downloads.html>

Mobius:

<https://www.mobius.illinois.edu/downloads.php>

For simplicity, we have created a virtual machine (VM) with **Virtual Box** that will be used to leverage all the students. On the virtual machine, Mobius has already been installed and students only need to download the license, PVS has already been installed and students need to accept the license agreement.

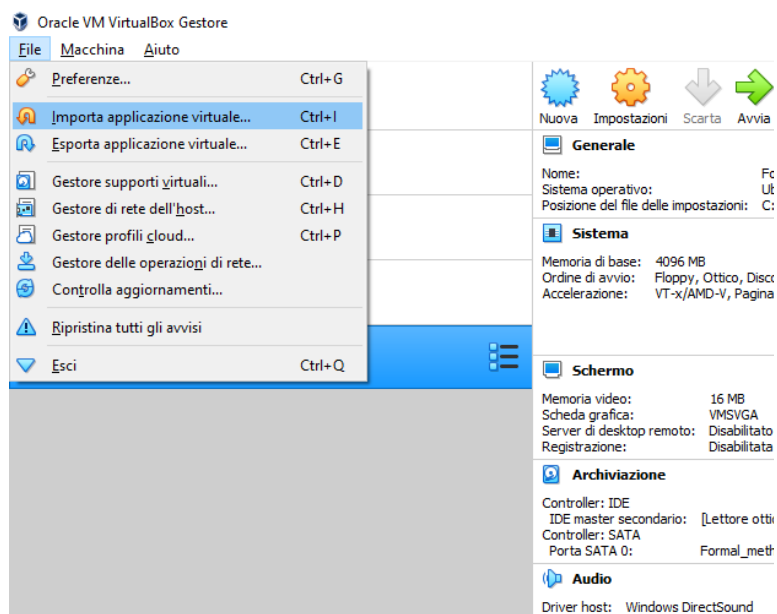
The students need

- to install virtual box from the homepage: <https://www.virtualbox.org/wiki/Downloads>
- downloading the VM from (using the @studenti.unipi.it address):
maurizio.palmieri@ing.unipi.it

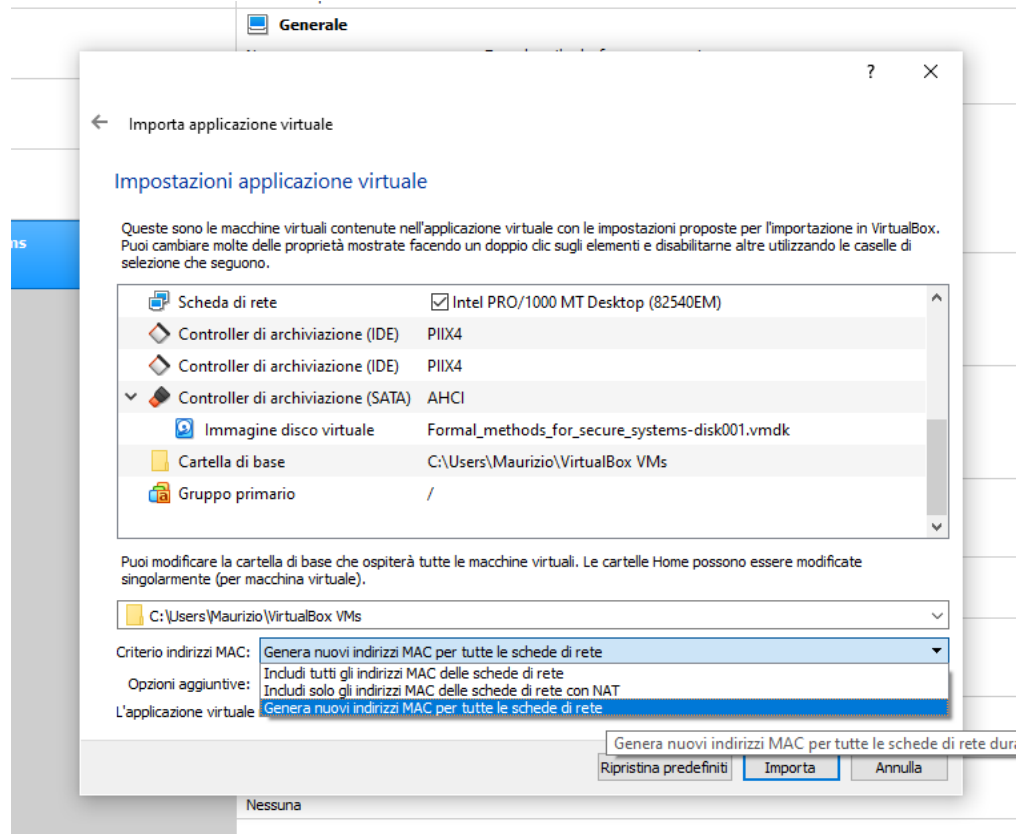
Any google drive request that comes outside the unipi domain will not be taken into consideration. Students without the unipi address can send an email to maurizio.palmieri@ing.unipi.it to ask for access permissions.

Virtual Box instructions

You can import the VM from the Virtual Box application with the command highlighted in the next picture (in Italian)



During the import process select the option to create new MAC addresses for all the network boards as shown in the next picture (in Italian).



After the creation of the VM, you simply need to execute the VM.

Suggestion: try to increase the resources allocated to the VM, in particular RAM and CPU usage

The root password is student.

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