How to connect to the Virtual Computing Lab
Works in **Windows** and **MAC**. For Mac, a third-party program is needed and it can be installed from the Apple’s Appstore. After that, the steps are the same. Is recommended to use the “*Microsoft Remote Desktop*” app, but other similar apps should work. This has not been tested for other similar apps.

Should work with any browser, but tested on the followings:

- Firefox
- Safari
- Google Chrome
The Graduate Research and Innovation Center (GRIC) is part of the Transformational Initiative for Graduate Education and Research (TIGER), US Department of Education, Title V, Part B, Promoting Postbaccalaureate Opportunities for Hispanic Americans (PPOHA) Program (#P031M140035).

- Double left click an icon browser (Firefox, Safari, or Google Chrome) to open. Right click and open also work.

- In the search box write down: http://vcl.uprm.edu/
You need to login by selecting an authentication method (UPRM Credentials or Local Account) and then click “Proceed to Login”. This will refresh the page to the selected authentication method.

Language can be change to Spanish on the top menu.
• If “UPRM Credentials” is selected the following page will appear (Note: Same information as if you were to login into your UPRM’s email, is the one used here):

• “Local Account” is selected the following page will appear:
• After login the page will refresh to the one below. On the left menu, go to “New Reservation”.

![Image of Virtual Computing Lab interface]
Choose program to use virtually on your computer on the drop down menu. Set the time and duration of reservation and press “Create Reservation”. You can reserve the program for a later time but this is not recommended.

(Note: The word reservation is the term chosen by the admins in the page, it does not reserve the program for one user, as many users can use and reserve the programs at the same time.)
Follow on-screen instructions. After creating the reservation, the browser will refresh to the following page. It takes about a minute for the “Connect” button to appear. Click “Connect”.

![Image of the GRIC reservation system]
• Click “Get RDP File” to download the connecting program. Write down the password, because you will need it for the program to work.

(Note: This password change every time this process is done. If the reservation time ended, and you need to reserve the program again a different password will be provided.)
• Save the program by selecting “Save file”. It is recommended to save the file to the Desktop, but the program can be saved anywhere on the computer. Do not select “Open with”.

(Note: Remember where the program was saved.)
• Search for the program on your computer. Double left click to open or right click once and the select open or connect.

(Note: Minitab.rdp is shown here because that was the program reserved for this example.)
• After opening the “programreserved.rdp”, this window should appear. In order to use the reserved program, you need to click “Connect”. In Mac you will need a third-party app to open this type of programs.
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Mac only

• For Mac’s users the following window will appear, click “Continue”: 

[Image of a window with a message: "Negotiating Credentials ..."]
• After you had click “Connect” this new window appears. The password from step 7 is required to continue. Then click “OK”. For Mac’s users the password is used to login to the account in the remote computer and not as shown below.

(Note: The password is different for every reservation.)
• In some computers this warning may appear, just click “Yes” to connect.

(Note: This warning message is safe to ignore as it has to do with the configuration used in the VCL.)
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• After a successful connection this window should appear, click “OK”.

• Click “Ask me later” or “Cancel”. Clicking the “X” of the smaller window also work.
• The next window should appear, click “OK” or the small “X”, to continue to the reserved program.
• Locate the program reserved, double left click the program’s icon to open. Right click and open also works.

(Note: Remember to save the work often while using this remote connection and keep in mind how much time is left in the reservation.)
• After your work is save, and there is no more need for the program just click the “X” on the window to end the remote connection.

This finish the guide on “How to connect to the Virtual Computer Lab”. Continue reading for a list of programs available in the VCL. These are subject to availability as authorized by the departments.
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List of Programs available in the VCL

- Abaqus 6.13.2 INCI Nuevo
- Abaqus 6.14.2 Academic Civil
- Adams_Win7_64bits
- ADMI_4995_096_Spring_2016
- ADS_(Windows_7)
- Ansys 14.5.7 Windows 7
- ArcGIS Desktop 10.2.2
- ArcGIS_Desktop
- ArcGISDesktop_INCI
- Autocad 2014
- AutoCAD_Civil_3D
- CentOS 6.8
- CentOS 6.8 Cluster
- Cisco_Packet_Tracer
- CIVIL_Basic
- CIVIL_Basic_32bits
- COBOL 1.1
- Comsol 4.1
- Creo + AutoCad Win 7 Graficas
- EtabsV9
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List of Programs available in the VCL

- HCS_2010_From_McTrans
- ININ_Ergonomics*
- ININ_Layout
- ININ_Optimization*
- ININ_Simulation
- ININ_Statistics
- Lab Fisica
- LabVIEW_(Windows_7)
- LogicWorks_(Windows_7)
- Mathcad 14
- Matlab_(Windows_7)
- Minitab
- modflow_a
- NX10
- NXNastran85
- NXNastran85_C1
- Open Cobol IDE v4.7.4 Aug. 2016
- Perform_3D
- PowerWorld_(Windows_7)
- Primavera_5
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List of Programs available in the VCL

- ProE_Creo
- Safe
- Sap2000
- SAP2000_Ver15
- SAS 9.4
- Scientific Linux 6 with X2Go using Gnome
- Slope
- StarCCM+ 9.04.009 & Abaqus6.13
- The Constructor (Windows 7)
- TSIST7F
- Ubuntu_1304
- Ubuntu_1304_X2Go_KDE
- ubuntu_14_04
- Ubuntu_Mate_X2GO_COMP
- Visual Studio Desktop edition
- Windows7_32
- Windows7_64
- Windows_7_BIG
- WinEstimator
- WinXP
- Xilinx(Windows 7)
More information

For more information about RUM’s Virtual Laboratory

- VCL: http://www.uprm.edu/p/cti/laboratorio_virtual_vcl
- Remote Desktop: http://cti.uprm.edu/cms/index.php/page/1342
- FAQ: http://cti.uprm.edu/cms/index.php/page/1250
If you have more questions:

gric@uprm.edu