How to run URsim in a Windows operating system

Description:

URsim will only run in a Linux operating system.

For running the simulator in another operating system, a virtual machine is needed.

A virtual machine is basically just a program, where multiple operating systems can be installed, including Linux.

There are various options available, but these two are the most common players:

- VMWare Player (free for non-commercial use, small fee for commercial use)
- VirtualBox (freeware)

For easy convenience for non-Linux users, a virtual machine has been created for UR users.

This contains a simulator for UR5 and a simulator for UR10.

It is not possible to run both simulators simultaneously.

Important notice:

The virtual machine has been tested on different pc's with different players.

However Universal Robots do not guarantee and do not provide any support, should the below guide be insufficient for running the virtual machine.

Depending on the hardware configuration of the pc where it is to be installed, it might be necessary to modify the drivers in the virtual machine for obtaining full use of all hardware (soundcard, network adapter, etc) on the pc.

Requirements prior to installing:

- Min. 6 GB free space on hard drive
- Download virtual player
- Download WinRAR (freeware program for unzipping rar-files) or similar
- Download zipped virtual machine to a desired folder of your choice

Step-by-step guide:

- Install a virtual player.
- Unpack the zipped virtual machine in a desired folder on your pc
- Start the virtual player.
- Proceed in this guide to either VMWare Player or VirtualBox

VMWare Player:

• Start VMWare Player

😼 VMware Player (Non-commercial use only)			
Player 🕶 📄 📼 🗐			
Home	Welcome to VMware Player		
	÷	Create a <u>New Virtual Machine</u> Create a new virtual machine, which will then be added to the top of your library.	
	F	Open a Virtual Machine Open an existing virtual machine, which will then be added to the top of your library.	
		Upgrade to VMware Workstation Get advanced features such as snapshots, developer tool integration, and more.	
	?	Help View VMware Player's help contents.	
	1	This product is not licensed and is authorized for non-commercial use only. For commercial use, purchase a license. <u>Buy now.</u>	

• Press **Open a virtual machine** and find the path where the zipped files was unpacked

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• Press Play virtual machine and select I copied it.



• Virtual machine will start, doubleclick the *Read me* file on the desktop



VirtualBox:

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StartVirtualBox and press New •



Define name (your choice), type: Linux, Version: Ubuntu •

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	Name and operating system
	Please choose a descriptive name for the new virtual machine and select the type of operating system you intend to install on it. The name you choose will be used throughout VirtualBox to identify this machine.
	Name: URSim 1.6
	Iype: Linux
	Version: Ubuntu
	Hide Description Next Cancel

• Select *Use an existing hard drive file* and define the path to the folder where the zipped file was unpacked, press *Create*



• Press Start for starting the virtual machine

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<u>File Machine H</u> elp								
New Settings Start Disca	Image: Start Discard Image: Start Discard							
URSim 1.6	🧕 General	Preview						
	Name: URSim 1.6 Operating System: Ubuntu							
	System							
	Base Memory: 512 MB Boot Order: Floppy, CD/DVD-ROM, Hard Disk Arceleration: VT-x (AMD-V. Nested Panino, PAF/NX	URSim 1.6						
	Acceletation. The April of Resident aging, President	E						
	Display							
	Video Memory: 12 MB Remote Desktop Server: Disabled							
	Storage							
	Controller: IDE IDE Secondary Master: [CD/DVD] Empty							
	Controller: SATA SATA Port 0: Ubuntu.vmdk (Normal, 20,00 GB)							
	🕞 Audio							
	Host Driver: Windows DirectSound Controller: ICH AC97							
	Network							

• Virtual machine will start, doubleclick the *Read me* file on the desktop

