

# 4-INSTALLING LINUX "VIRTUAL MACHINES": GENERIC INSTRUCTIONS

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# SUMMARY

If you have "VMware Workstation 17 Player" or "VMware Workstation 17 Pro" or Oracle "VirtualBox" installed into your computer, you can create virtual machines using their "Create" function.

# TOPICS

- Building a new "virtual machine" from scratch is a logical function:

# LOGICAL STEPS FOR CREATING A NEW VIRTUAL MACHINE

- Start the "virtual machine program"

# LOGICAL STEPS FOR CREATING A NEW VIRTUAL MACHINE (continued)

- In "VMware Workstation Player", click on "Player", "File", "New Virtual Machine"
- In "VMware Workstation Pro", click on "File", "New Virtual Machine"
- In "Virtualbox", click on "Machine", "New.."

# LOGICAL STEPS FOR CREATING A NEW VIRTUAL MACHINE (continued)

- When naming a new virtual machine, put the date of creation and a ordinal code if you are creating more than one for a specific operating system in the name:  
For example:  
<Windows 11 Home>-2023-08-09-1

# LOGICAL STEPS FOR CREATING A NEW VIRTUAL MACHINE (continued)

- Putting a date code and an ordinal code is critical for copying or moving "Windows 11.." and "Windows 10.." virtual machines because it will help keep you from inactivating a previously activated copy of "Windows 11.." or "Windows 10"

# LOGICAL STEPS FOR CREATING A NEW VIRTUAL MACHINE (continued)

- Putting a date code and an ordinal code is critical for copying or moving "Windows 11.." and "Windows 10.." virtual machines because it will help keep you from inactivating a previously activated copy of "Windows 11.." or "Windows 10" since this naming convention will be used for the virtual motherboard of the virtual machine.

# LOGICAL STEPS FOR CREATING A NEW VIRTUAL MACHINE (continued)

- The next two steps create a virtual motherboard which will have a unique "128 bit Unique Universal Identifier" which is critical for "Windows 11.." and "Windows 10..".
- In VMware.., the virtual motherboard is a \*.vmx file

# LOGICAL STEPS FOR CREATING A NEW VIRTUAL MACHINE (continued)

- In VMware.., the virtual motherboard is a \*.vmx file
- After a virtual machine in "VMware" is created, double-clicking on the \*.vmx file will start up the virtual machine

# LOGICAL STEPS FOR CREATING A NEW VIRTUAL MACHINE (continued)

- In VirtualBox, the virtual motherboard is a \*.vbox file
- After a virtual machine in "VirtualBox" is created, double-clicking on the \*.vbox file will start up the virtual machine

# **LOGICAL STEPS FOR CREATING A NEW VIRTUAL MACHINE (continued)**

- Assign an operating system to the new virtual machine

# LOGICAL STEPS FOR CREATING A NEW VIRTUAL MACHINE (continued)

- Create a new virtual "solid state drive" for the new virtual machine or connect the virtual hard drive file if you obtained one from [osboxes.org](http://osboxes.org)

# **LOGICAL STEPS FOR CREATING A NEW VIRTUAL MACHINE (continued)**

- Assign some real RAM for the new virtual machine:

This will be the maximum real RAM that the virtual machine will use when it is running.

Do not assign more real RAM than 50 percent of the amount of RAM that your computer actually has.

# **LOGICAL STEPS FOR CREATING A NEW VIRTUAL MACHINE (continued)**

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Do not assign more real RAM than 50 percent of the amount of RAM that your computer actually has.

# **LOGICAL STEPS FOR CREATING A NEW VIRTUAL MACHINE (continued)**

- If you are not using a virtual hard drive from [osboxes.org](http://osboxes.org), attach an installation media \*.ISO file

# **LOGICAL STEPS FOR CREATING A NEW VIRTUAL MACHINE (continued)**

- Start up the new virtual machine
- If it asks you to "Hit any key", please do so

# **LOGICAL STEPS FOR CREATING A NEW VIRTUAL MACHINE (continued)**

- Complete the steps of the "Installation wizard" to build up the new virtual machine