

# USING A FREE VIRTUAL MACHINE TO SIMILATE A SPECIFIC MODEL OF COMPUTER

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# SUMMARY

From inside your existing computer, you can use a free copy of "Windows.." inside a free virtual machine to simulate a computer that you or someone else plans to buy.

# TOPICS

- Advantages of using a virtual machine to simulate a computer that you or some else plans to buy
- Obtaining the manufacturer's specifications for the target computer model.
- Using published reviews and users' comments for fine tuning the simulation of the target computer model

# TOPICS (continued)

- Installing a free virtual machine program into your existing computer
- Creating a new virtual machine
- Obtaining a free, time-limited copy of "Windows.." to install into the new virtual machine
- Installing the free, time-limited copy of "Windows.."

# TOPICS (continued)

- Creating a new virtual machine for simulating the target computer model
- Obtaining a free, time-limited copy of "Windows.." for the virtual machine
- Installing the free, time-limited copy of "Windows.." into the virtual machine

# TOPICS (continued)

- Fine tuning the number of virtual processor cores for the virtual machine
- Installing (desktop) software application programs into the virtual machine
- Installing "Windows Store apps" into the virtual machine

# TOPICS (continued)

- Monitoring free space on the virtual internal hard drive of the virtual machine



ADVANTAGES OF  
USING A VIRTUAL  
MACHINE TO SIMILATE  
A COMPUTER THAT  
YOU OR SOMEONE  
ELSE PLAN TO BUY

# ADVANTAGES OF USING A VIRTUAL MACHINE..

- Determine if the target computer model has enough RAM and free hard drive space for the end user's needs.
- Determine what additional computer accessories will be needed by the end user.

# ADVANTAGES OF USING A VIRTUAL MACHINE.. (continued)

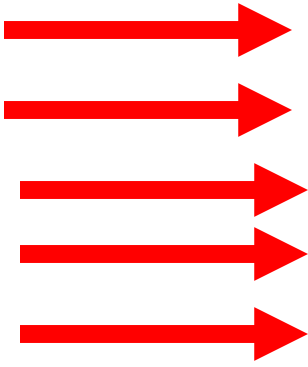
- Determine if the target computer model is compatible with the end users' existing computer and networking equipment

OBTAINING THE  
MANUFACTURER'S  
SPECIFICATIONS  
FOR THE TARGET  
COMPUTER  
MODEL:

# OBTAINING THE MANUFACTURER'S SPECIFICATIONS..

- Use the manufacturer's Web site to determine the exact edition of "Windows..", the amount of RAM, the size of the hard drive, the maximum resolution of the monitor





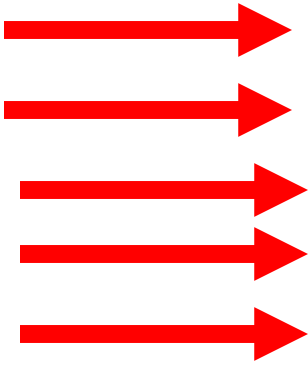
USING PUBLISHED  
REVIEWS AND USERS'  
COMMENTS FOR FINE-  
TUNING THE SIMULATION  
OF THE TARGET  
COMPUTER MODEL:



# USING PUBLISHED REVIEWS AND USERS COMMENTS ..

- Using published reviews and users' comments, you can determine specifications that the computer manufacturer does not publish on their Web site:





**INSTALLING A FREE  
VIRTUAL MACHINE  
PROGRAM INTO  
YOUR EXISTING  
COMPUTER:**

# INSTALLING A FREE VIRTUAL MACHINE PROGRAM..

- Before you can create a virtual machine in your existing "Windows..", Mac "OS X", or Linux computer, you need to install a free (or not free) virtual machine program:

# INSTALLING A FREE VIRTUAL MACHINE PROGRAM.. (continued)

- For a "Windows.." computer, you can install the free "VMware Player" program, or the free "Oracle VM VirtualBox" program. If you are running "Windows 8", "Windows 8.1", or "Windows Technical Preview" of "Windows 10", you can also activate the bundled "Hyper-V" program.

# INSTALLING A FREE VIRTUAL MACHINE PROGRAM.. (continued)

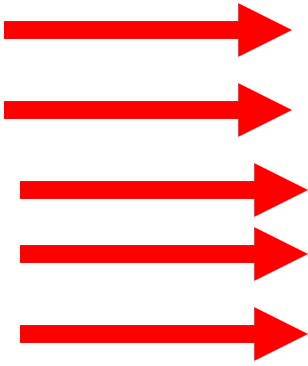
- For a Mac "OS X" computer, you can install the "Oracle VM VirtualBox" program (free), or the "Parallels Desktop" program (not free) or the "VMware Fusion" program (not free)

# INSTALLING A FREE VIRTUAL MACHINE PROGRAM.. (continued)

- For a Linux computer, you can install the "Oracle VM VirtualBox" program (free), or the "VMware Player program (free)





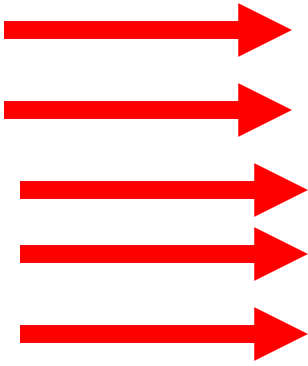


# CREATING A NEW VIRTUAL MACHINE:

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- Start up the virtual machine program
- Then use its wizard for creating a new virtual machine





**OBTAINING A FREE, TIME-  
LIMITED COPY OF  
"WINDOWS.."**

# OBTAINING A FREE, TIME-LIMITED COPY OF "WINDOWS.."

- To obtain a free, time-limited copy of "Windows 7..", see <http://www.microsoft.com/en-us/evalcenter/evaluate-windows-8-1-enterprise>



# OBTAINING A FREE, TIME-LIMITED COPY OF "WINDOWS.." (continued)

- To obtain a free, time-limited copy of "Windows 8..", see <http://www.microsoft.com/en-us/evalcenter/evaluate-windows-8-enterprise>

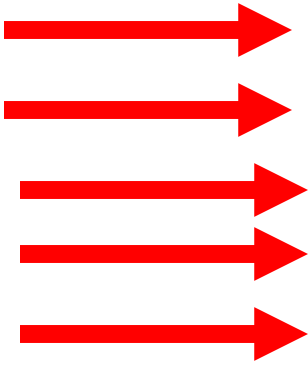
# OBTAINING A FREE, TIME-LIMITED COPY OF "WINDOWS.." (continued)

- To obtain a free, time-limited copy of "Windows 8.1..", see <http://www.microsoft.com/en-us/evalcenter/evaluate-windows-8-1-enterprise>

# OBTAINING A FREE, TIME-LIMITED COPY OF "WINDOWS.." (continued)

- To obtain a free, time-limited copy of the "Windows Technical Preview" for "Windows 10.." OR the "Windows Technical Preview for Enterprise" for "Windows 10", see [http://aztcs.org/meeting\\_notes/winhardsig/win10/win10techprev-using.pdf](http://aztcs.org/meeting_notes/winhardsig/win10/win10techprev-using.pdf)





INSTALLING A FREE, TIME-  
LIMITED COPY OF  
"WINDOWS.." INTO THE  
NEW VIRTUAL MACHINE

# INSTALLING A FREE, TIME-LIMITED COPY OF "WINDOWS.." INTO THE NEW VIRTUAL MACHINE

- To install the free, time-limited copy of "Windows 7.." into the new virtual machine, see

# INSTALLING A FREE, TIME-LIMITED COPY OF "WINDOWS.." INTO THE NEW VIRTUAL MACHINE

- To install the free, time-limited copy of "Windows 8.." into the new virtual machine, see



# INSTALLING A FREE, TIME-LIMITED COPY OF "WINDOWS.." INTO THE NEW VIRTUAL MACHINE

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# FINE TUNING THE NUMBER OF VIRTUAL PROCESSOR CORES FOR THE VIRTUAL MACHINE:

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- Use the benchmark values in published reviews to fine tune the number of virtual processor cores in the virtual machine:

# INSTALLING (DESKTOP) SOFTWARE APPLICATION PROGRAMS INTO THE VIRTUAL MACHINE:

# INSTALLING (DESKTOP) SOFTWARE APPLICATION PROGRAMS INTO THE VIRTUAL MACHINE

- Use the manufacturer's software specifications, published reviews, and users comments to determine what software to install into the virtual machine:

# INSTALLING "WINDOWS STORE APPS" INTO THE VIRTUAL MACHINE:

# INSTALLING "WINDOWS STORE APPS" INTO THE VIRTUAL MACHINE

- Use the manufacturer's software specifications, published reviews, and users comments to determined "Windows Store Apps" to install into the virtual machine:



# INSTALLING "WINDOWS STORE APPS" INTO THE VIRTUAL MACHINE (continued)

- "Windows Store Apps" are also called  
"Metro Style Apps",  
"Modern Apps",  
"Universal Apps",  
"Start Screen Apps",  
and  
"RT Apps".

# MONITORING FREE SPACE ON THE VIRTUAL HARD DRIVE OF THE THE VIRTUAL MACHINE:

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- All virtual machine programs do thin provisioning of virtual hard drives so do not use "Windows Explorer" or "File Explorer" or "Finder" or "Nautilus" in the real, host computer to monitor the disk space utilization in the virtual machine.

# MONITORING FREE SPACE ON THE VIRTUAL HARD DRIVE OF THE VIRTUAL MACHINE (continue)

- Monitor the free hard drive space by using "Windows Explorer" or "File Explorer" from INSIDE" in the virtual machine:

Use the RIGHT mouse button to perform a click on virtual C: hard drive.

Then click on "Properties"<sup>52</sup>:

# REFERENCES

- http