Practical 1C

1. What practically limits the number of running VMs on your laptop?
   * Hard Drive Space, RAM, and CPU cores. Of course these limits are shared with the VM being built and are not just on the laptop for limitation.

i.e. 15 windows VM’s running on lowest recommended resources will require more resources than 15 Puppy Linux VM’s running on lowest recommended resources.

1. How do you pause a VM?

Of course each VM product is different (VMware Workstation Player; VMWare Workstation Pro; VirtualBox; Etc.) \*I am using VMWare Workstation Player\*

* + Choose the option up top if the VMWare Player to pause –

Text

Description automatically generated

* Choose Player > Power > Suspend Guest

Graphical user interface, text

Description automatically generated

1. What is NAT (a networking term).  Why are your VMs' network interfaces running on a NAT network?

NAT is Network Address Translation; it is used to translate a public IP Address into multiple private addresses. VM’s run on a NAT network to get internet access utilizing a router in the VM software to route.

1. What happens if you try to exit your hypervisor with running VMs?

You get prompted with options to suspend, shut off, the guest or cancel the operation.

Graphical user interface, text, application

Description automatically generated

1. What happens to your hypervisor if you suspend your laptop pause? (try it!)

I think this question is asking what happens to my VM when I suspend my host.. The VM will pick back up where it was last, likely sitting in some sort of paging or snapshot file until the OS boots back up.