03-Using "Ubuntu Linux" in "Hyper-V" in "Windows 10 Pro"

by Francis Chao

fchao2@yahoo.com
Web location for this presentation:

http://aztcs.org

Click on “Meeting Notes”
STEPS FOR USING A "UBUNTU" VIRTUAL MACHINE IN "HYPER-V"
USING STEP 1:
Click on the "Start" button:
USING STEP 2:
Go to "Windows Administrative Tools" in the "Start Menu":
USING STEP 3:
Click on "Windows Administrative Tools" in the "Start Menu" to expand it:
USING STEP 4: Click on "Hyper-V Manager":
USING STEP 5:
A "Hyper-V Manager"
window will be displayed:
USING STEP 6:
Use the right mouse button to right-click on the virtual machine that you wish to boot up:
USING STEP 7: 
Click on "Connect" in the pop-up context menu
USING STEP 8:
A virtual machine window will be displayed:
The virtual machine 'Ubuntu 18.04.1 LTS' is turned off.

To start the virtual machine, select 'Start' from the Action menu.
USING STEP 9:
Click on the "Start" button inside the virtual machine window:
The virtual machine ‘Ubuntu 18.04.1 LTS’ is turned off.

To start the virtual machine, select ‘Start’ from the Action menu.
Connect to Ubuntu 18.04.1 LTS

Display configuration

Choose the size of your desktop for interacting with the virtual machine. Drag the slider all the way to the right to use the full screen.

Small -- Large

1366 by 768 pixels

Use all my monitors

Show Options  Connect  Help
USING STEP 10:
Drag the slider all the way to the right:
Display configuration

Choose the size of your desktop for interacting with the virtual machine. Drag the slider all the way to the right to use the full screen.

Small  Large

Full Screen

Use all my monitors

Show Options  Connect  Help
USING STEP 11: 
Click on "Show options":

Display configuration

Choose the size of your desktop for interacting with the virtual machine. Drag the slider all the way to the right to use the full screen.

Small       Large

Full Screen

☐ Use all my monitors

Show Options

Connect  Help
Never put a checkmark for the check box next to "Save my settings for future.." because doing so will trigger a bug in the Hyper-V program that will prevent you from making future configuration changes to the virtual machine!!
Choose the size of your desktop for interacting with the virtual machine. Drag the slider all the way to the right to use the full screen.

Small [ ] Large

Full Screen

[ ] Use all my monitors

[ ] Save my settings for future connections to this virtual machine.
USING STEP 12: Click on the "Local Resources" tab:
Choose the size of your desktop for interacting with the virtual machine. Drag the slider all the way to the right to use the full screen.

Small - Large

Full Screen

Use all my monitors

Save my settings for future connections to this virtual machine.
Do not attempt to select printers if the virtual machine is running Ubuntu or any Linux distribution. At the present time (November 2018), the "printers" feature is grayed out for all Linux distributions and it only works for virtual machines that run "Windows 10" or "Windows 8.1" as "guest operating systems": 34
Remote audio

Configure remote audio settings.

Settings...

Local devices and resources

Choose the devices and resources that you want to use in your remote session.

- Printers
- Clipboard

More...

Hide Options

Connect

Help
Do not attempt to go to "Settings" in the "Remote Audio" section if the virtual machine is running Ubuntu or any Linux distribution. At the present time (November 2018), the "audio" feature is grayed out for all Linux distributions and it only works for virtual machines that run "Windows 10" or "Windows 8.1" as "guest operating systems":
Remote audio

Configure remote audio settings.

Settings...

Local devices and resources

Choose the devices and resources that you want to use in your remote session.

☐ Printers

☐ Clipboard

More...

Hide Options  Connect  Help
USING STEP 13: Click on "More" in the "Local devices and resources" section:
Remote audio
Configure remote audio settings.
Settings...

Local devices and resources
Choose the devices and resources that you want to use in your remote session.

- Printers
- Clipboard

More...
USING STEP 14:
Click on the + to the left of "Drives" to expand the "Drives" category:
Local devices and resources

Choose the devices and resources on this computer that you want to use in your remote session.

- [ ] Smart cards
- [ ] Drives
- [ ] Other supported Plug and Play (PnP) devices
USING STEP 15: Select the real hard drives, real SSDs, real flash drives, and real SD cards that you wish to have the virtual machine access:
Local devices and resources

Choose the devices and resources on this computer that you want to use in your remote session.

- Drives
  - C_CP1-HVdemo-WDSSD-2 (C:)
  - Recovery (D:)
  - Local Disk (E:)
  - Removable Disk (G:)
  - LStorageSpace (L:)
  - U_Prod1 (U:)
  - Drives that I plug in later
- Other supported Plug and Play (PnP) devices
In this example, we selected all of the real hard drives, real SSDs, real flash drives, and real SD cards that were attached to the physical "host computer":
Local resources

Choose the devices and resources on this computer that you want to use in your remote session.

- [ ] Drives
  - [x] C_CP1-HVdemo-WDSSD-2 (C:)
  - [x] Recovery (D:)
  - [x] Local Disk (E:)
  - [x] Removable Disk (G:)
  - [x] LStorageSpace (L:)
  - [x] U_Prod1 (U:)
  - [x] Drives that I plug in later
- [ ] Other supported Plug and Play (PnP) devices

[OK] [Cancel]
USING STEP 14:
Click on the "Okay" button:
Choose the devices and resources on this computer that you want to use in your remote session.

- Drives
  - C_CP1-HVdemo-WDSSD-2 (C:)
  - Recovery (D:)
  - Local Disk (E:)
  - Removable Disk (G:)
  - LStorageSpace (L:)
  - U_Prod1 (U:)
  - Drives that I plug in later
- Other supported Plug and Play (PnP) devices

OK
Cancel
USING STEP 15:
Click on the "Connect" button:
Connect to Ubuntu 18.04.1 LTS

Display

Remote audio
Configure remote audio settings.
Settings...

Local Resources

Local devices and resources
Choose the devices and resources that you want to use in your remote session.

- Printers
- Clipboard

More...

Hide Options

Connect
Help

49
USING STEP 16:
An "xrdp"-style "Login" box will be displayed:
USING STEP 17:
Type in your username and password:
USING STEP 18:
Click on the "Okay" button:
Login to ubuntu5

Session: Xorg
Username: testiser
Password: ********

OK  Cancel
USING STEP 19:
If you double-click on the "Title bar" of the virtual machine's window or if you choose "Full screen" in the "View" menu of the top menu bar, then the virtual machine will run in "Full screen" mode and the Desktop of the host computer will not be visible:
USING STEP 20:
If you double-click on the "shared drives" icon, you can then access all of the real hard drives and real hard drive-like devices that you selected in "Step 14":