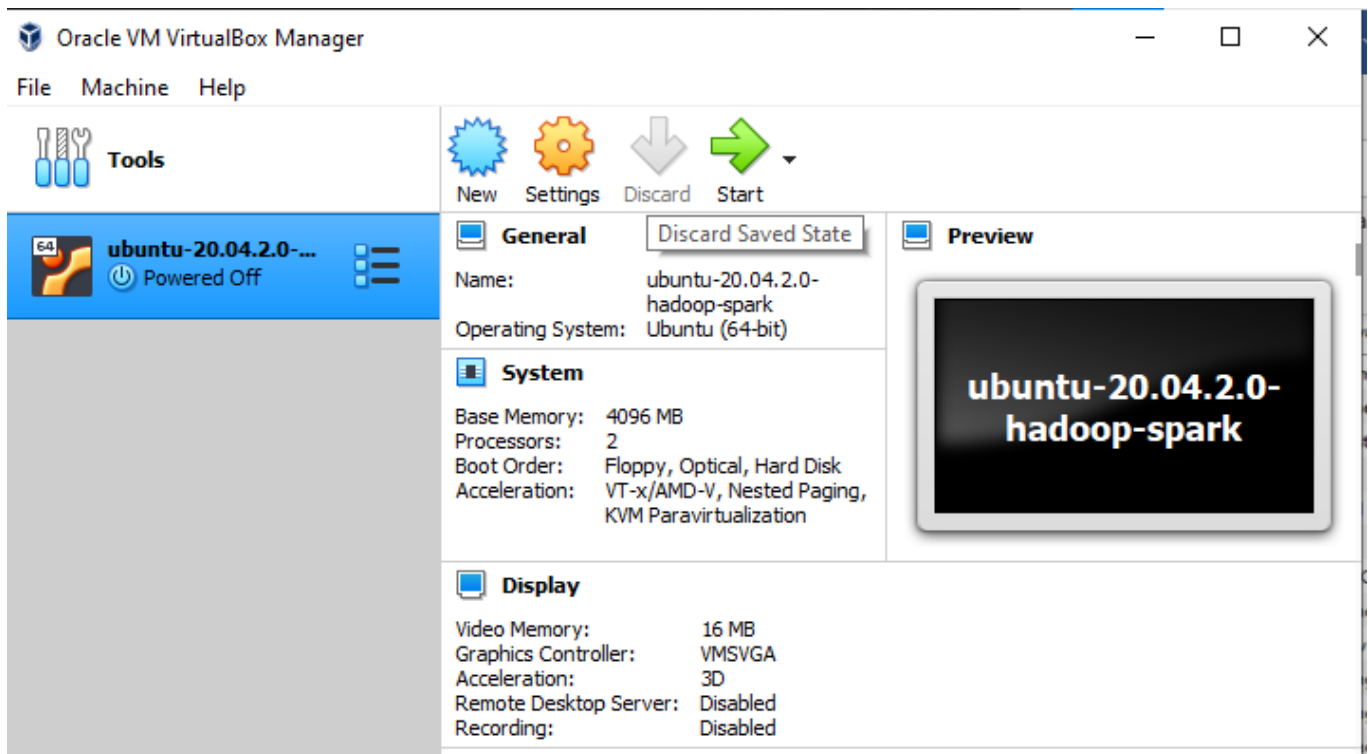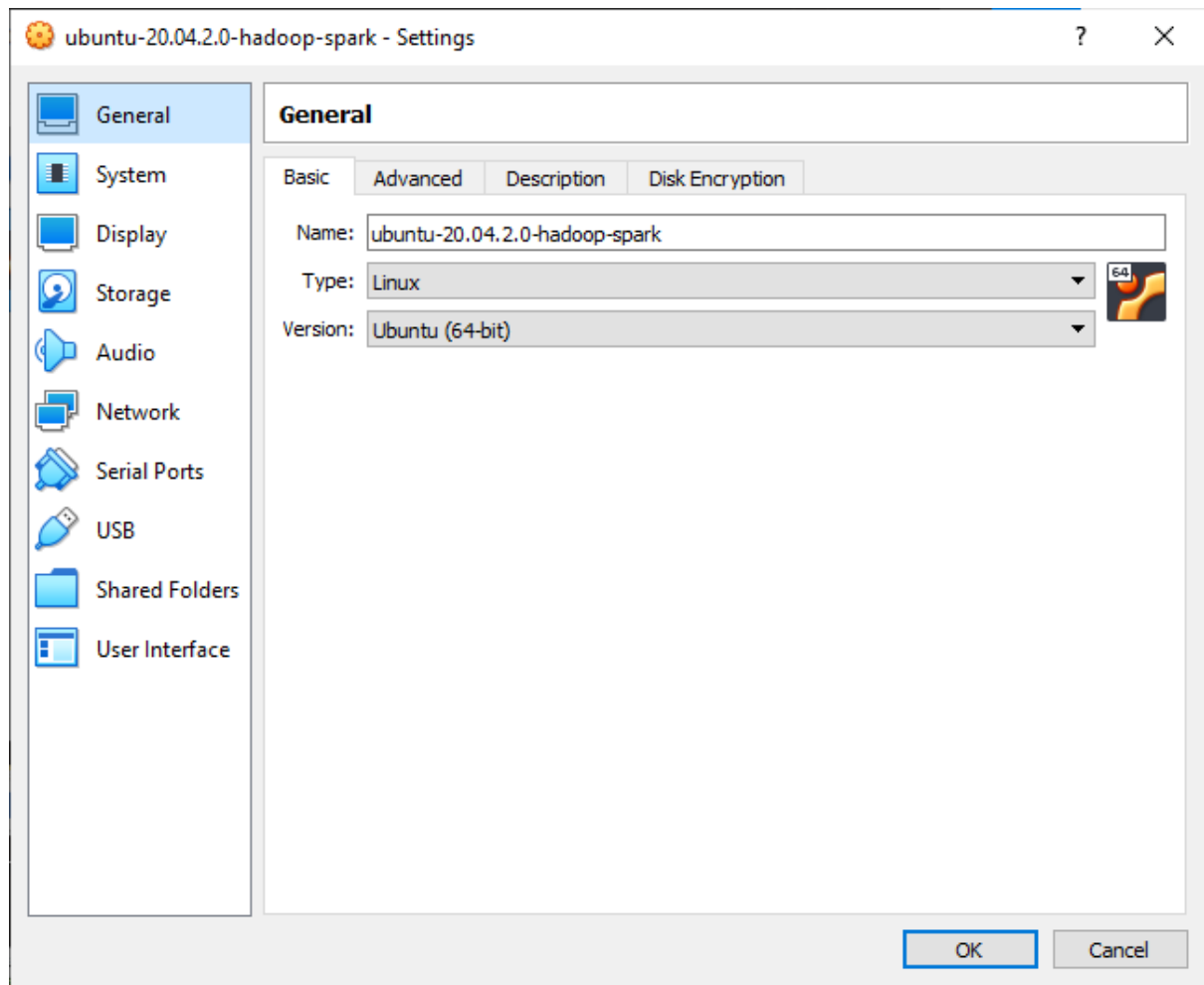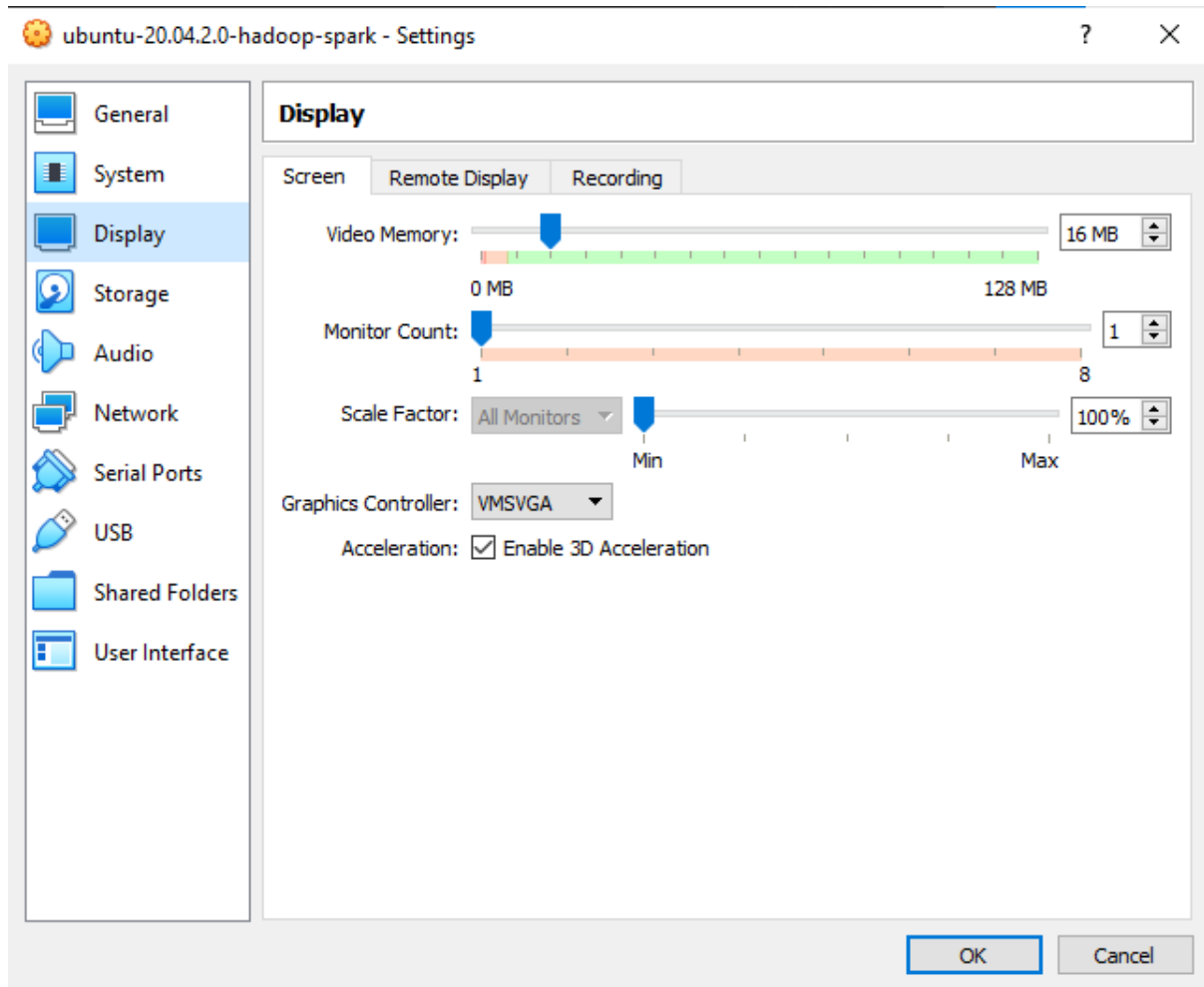# ITECH2302 Big Data Management
Speeding Up Virtualbox

It is possible to configure VirtualBox 6.1 open-source virtualization software to make the Ubuntu virtual machine faster and smoother. the **latest VirtualBox 6.1 series** comes with improved 3D acceleration support for Linux VMs, which translates to better 3D performance on virtual machines, especially those running Ubuntu 20.04 LTS or Ubuntu 18.04 LTS.
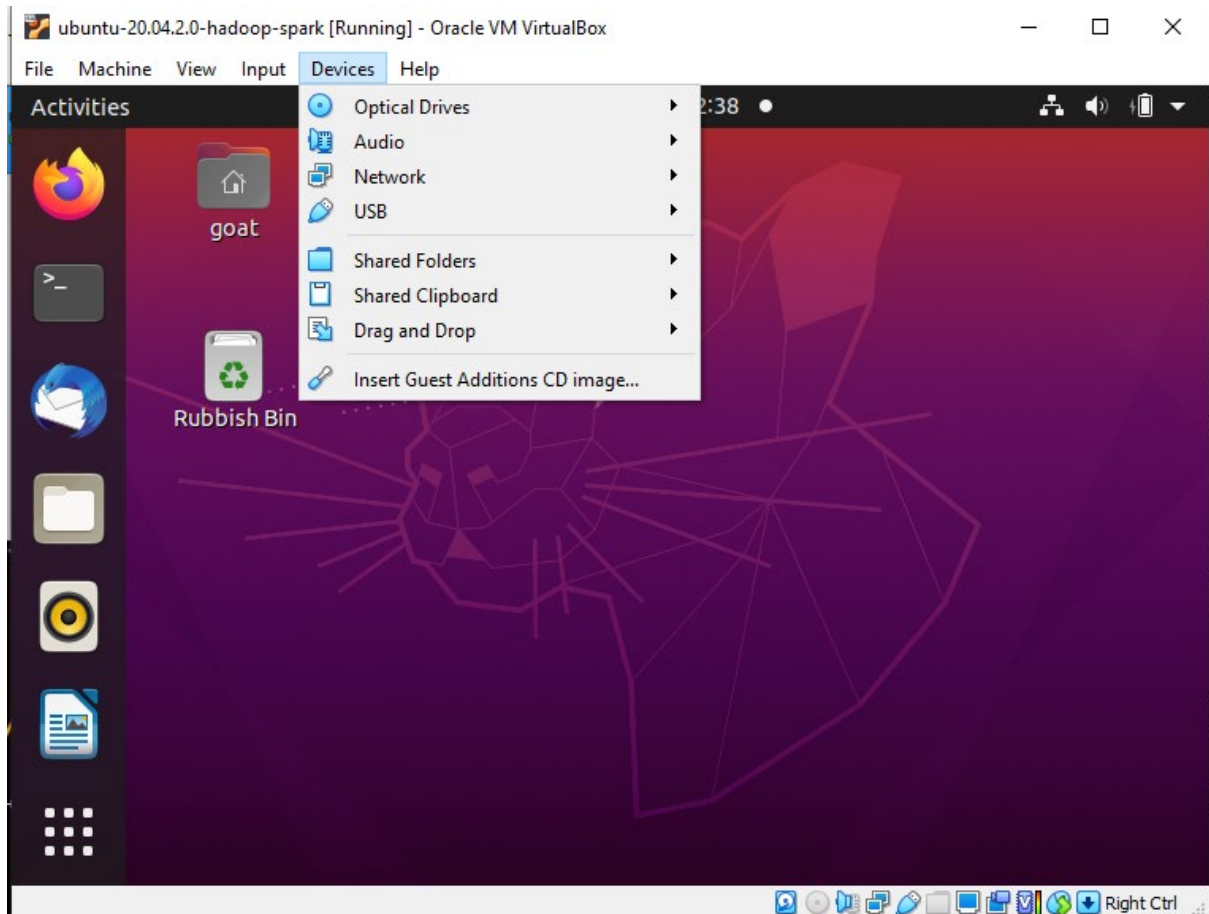
To correctly enable 3D acceleration on VirtualBox virtual machines running Ubuntu or other GNU/Linux distribution, go to Settings >
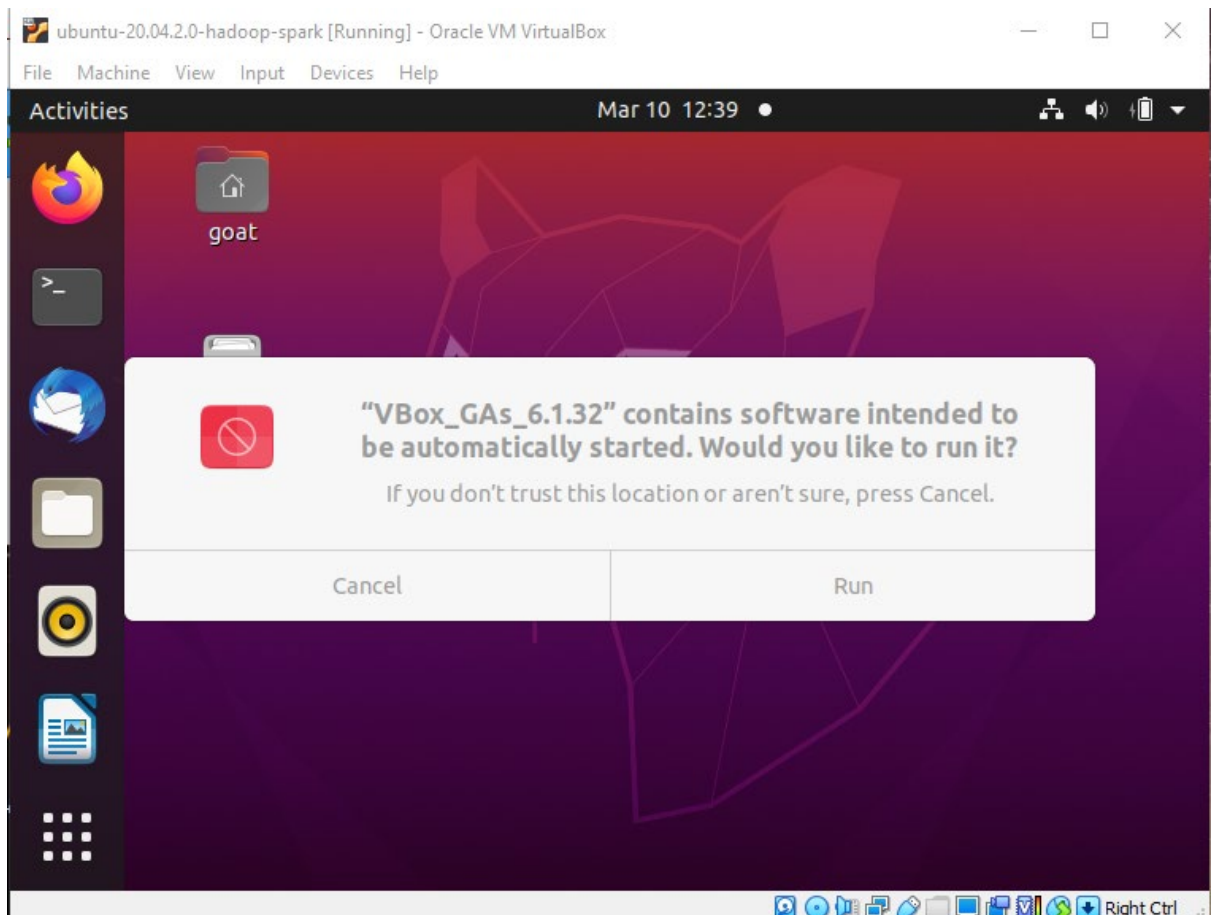
Display and select "**VMSVGA**" as the "**Graphic Controller**" and check the "Enable 3D Acceleration" box under Acceleration. Like this...
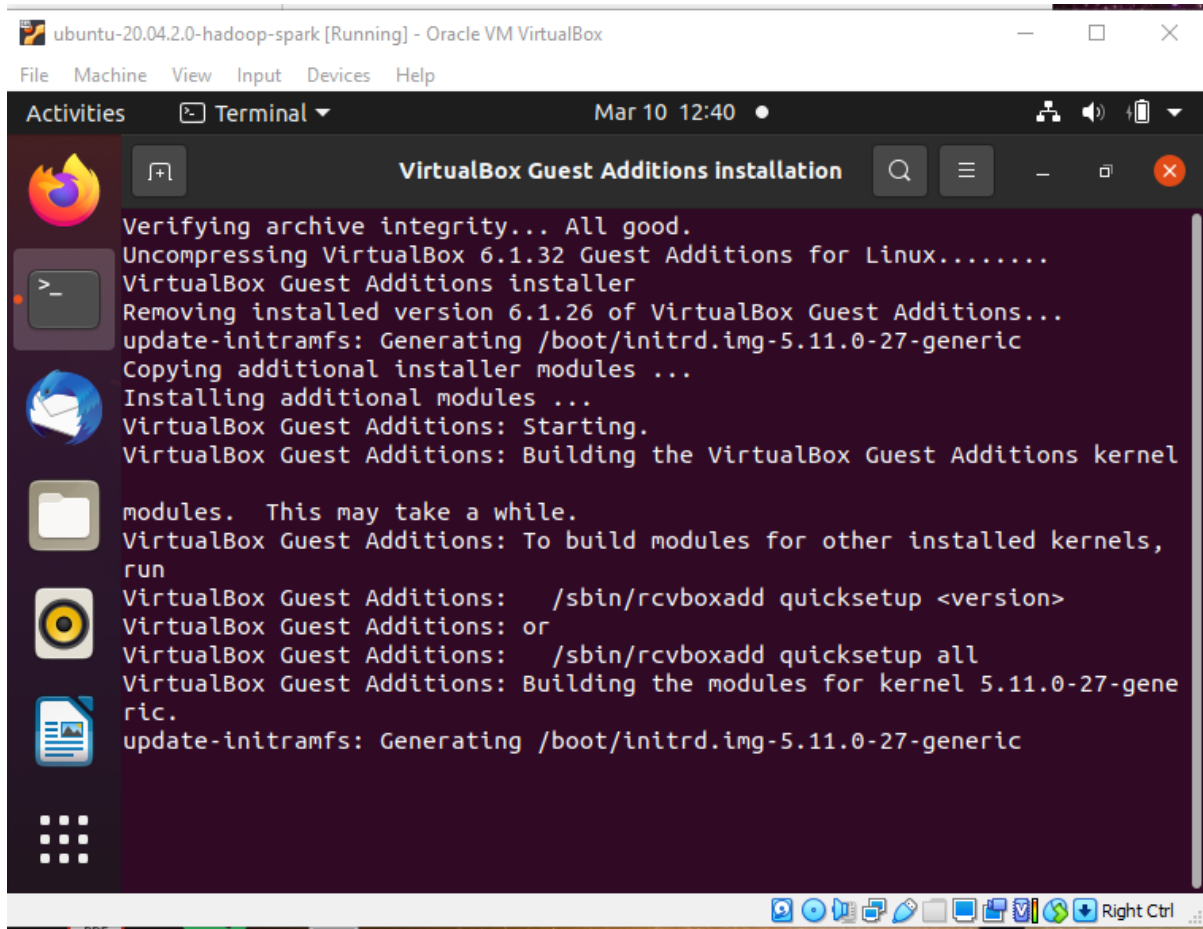
Then, power on your Ubuntu/Linux virtual machine and install the latest VirtualBox Guest Additions by going to the Devices menu and selecting the "Insert Guest Additions CD image" option.

You will be immediately prompted to install the VirtualBox Guest Additions kernel modules, so proceed with the installation and reboot your virtual machine when the process is over.

That's it! Your Linux VM should now be faster and smoother.