

Ex No : 7 a	Implementation of Cold Migration using Virtual Box
Date: 13/02/23	

Aim:

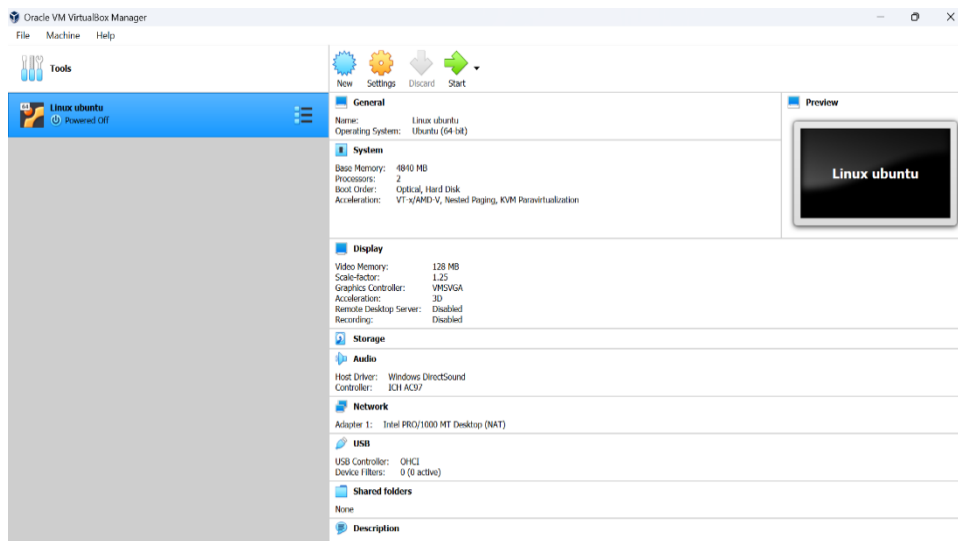
To implement the Cold migration using the Virtual Box (Migration of one virtual machine to another virtual machine by cold migration).

Procedure:

1. Shut down the VM on the source host machine. Make sure that the VM is completely powered off before proceeding.
2. Export the VM to an OVF file. To do this, select the VM in the VirtualBox Manager window, then click on the File menu and choose Export Appliance. Follow the wizard to export the VM to an OVF file.
3. Copy the OVF file and any associated files (such as VMDK disk images) to the destination host machine. You can do this using a network file transfer protocol such as FTP or SCP, or by copying the files to an external storage device and physically transporting the device to the destination machine.
4. Import the VM on the destination host machine. Open VirtualBox on the destination host, click on the File menu, and choose Import Appliance. Follow the wizard to import the OVF file and create a new VM on the destination host.
5. Configure the new VM settings as necessary. This may include adjusting the amount of RAM or number of CPUs allocated to the VM, specifying network settings, or attaching additional storage devices.
6. Start the VM on the destination host machine and verify that it is functioning correctly.

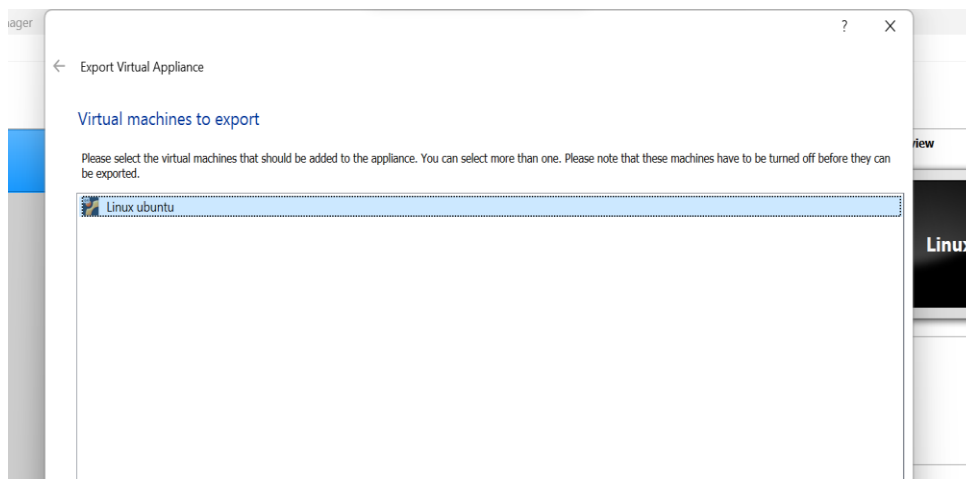
Optional: Delete the original VM from the source host machine to free up resources.

Host 1:

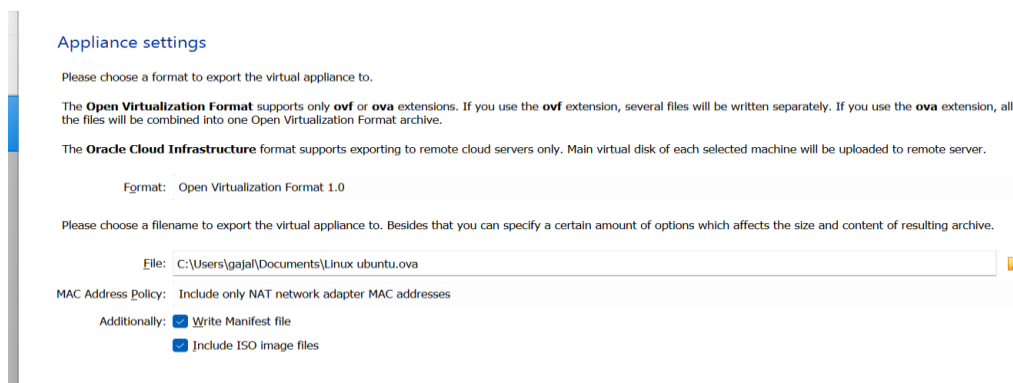


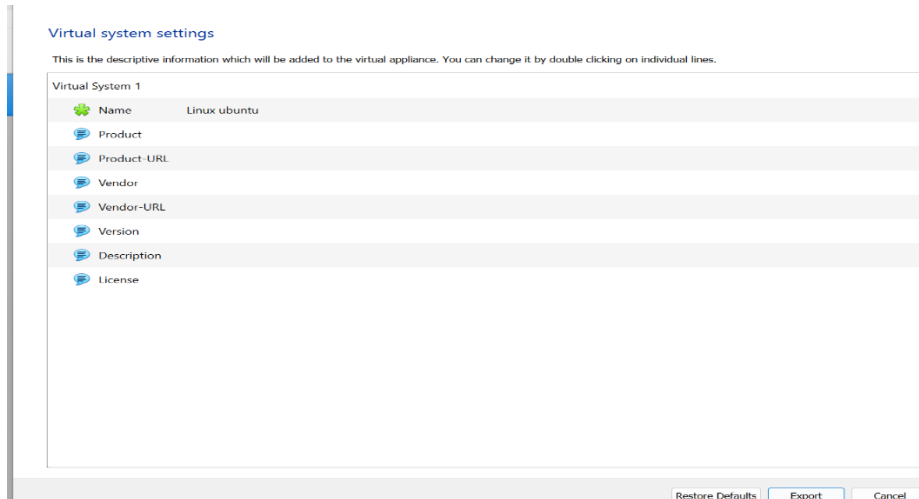
File->Export appliances

Select image to be export



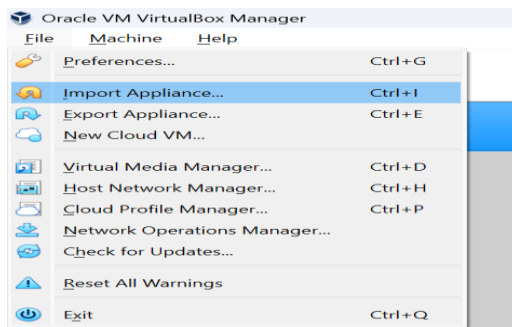
Select include iso image file and click next



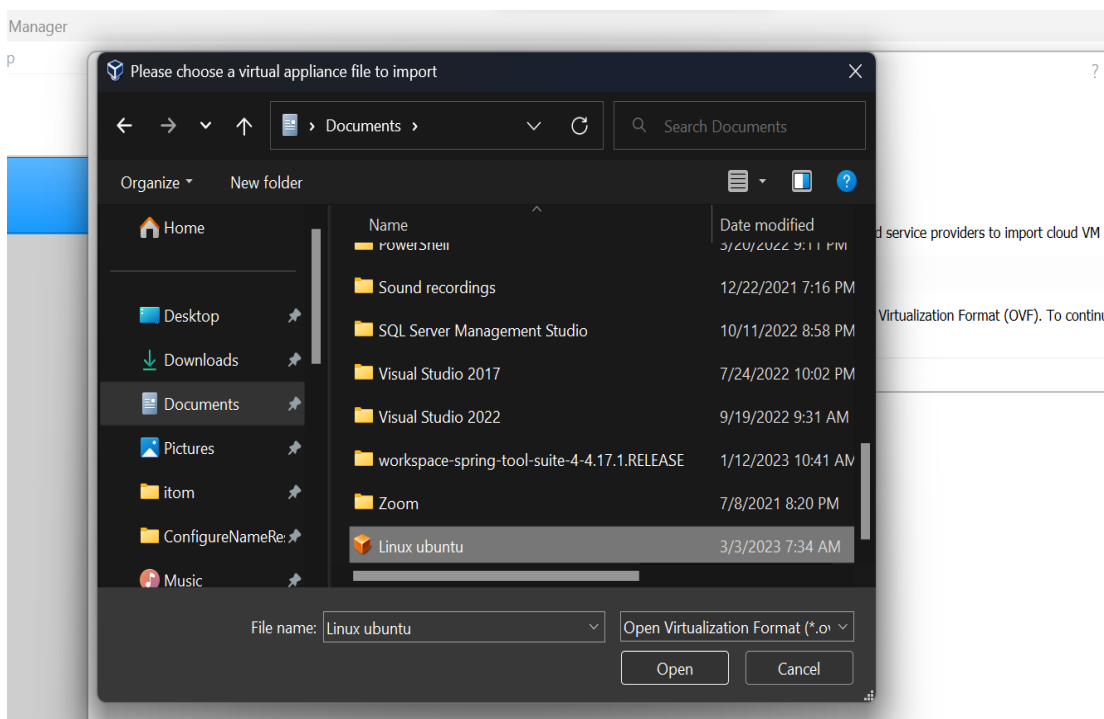


Host 2:

OVF file generated under documents folder. Copy to external storage.


















Browse and select OVF file

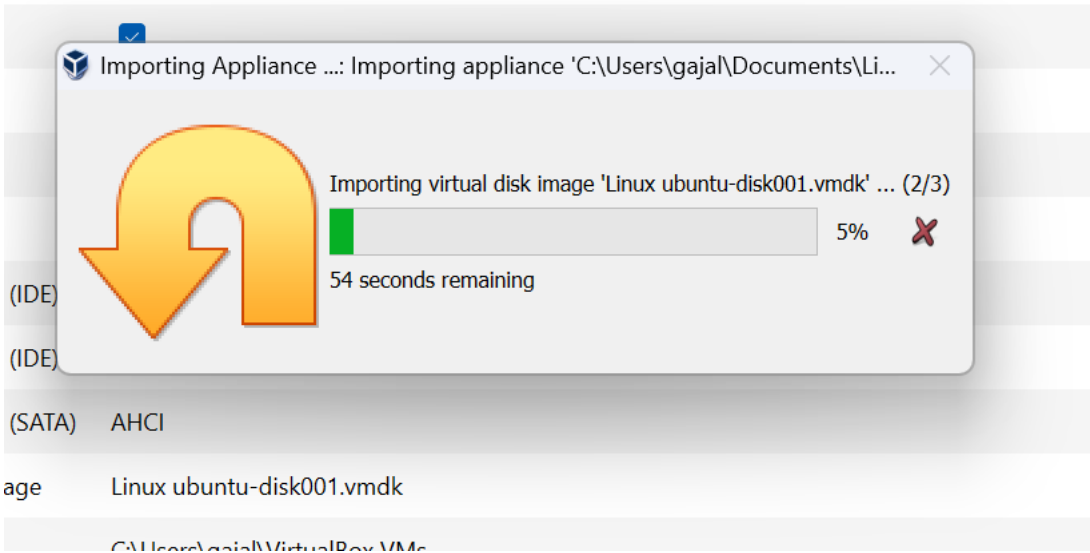


Appliance settings

These are the virtual machines contained in the appliance and the suggested settings of the imported VirtualBox machines. You can change many of the properties shown by double-clicking on the items and disable others using the check boxes below.

Virtual System 1	
 Name	Linux ubuntu 1
 Guest OS Type	 Ubuntu (64-bit)
 CPU	2
 RAM	4840 MB
 DVD	<input checked="" type="checkbox"/>
 USB Controller	<input checked="" type="checkbox"/>
 Sound Card	<input checked="" type="checkbox"/> ICH AC97
 Network Adapter	<input checked="" type="checkbox"/> Intel PRO/1000 MT Desktop (82540EM)
 Storage Controller (IDE)	PIIX4
 Storage Controller (IDE)	PIIX4
 Storage Controller (SATA)	AHCI
 Virtual Disk Image	Linux ubuntu-disk001.vmdk
 Base Folder	C:\Users\gajal\VirtualBox VMs
 Primary Group	/

4840 MB



Result:

Thus, the virtual machine migration using oracle virtual box has been implemented.