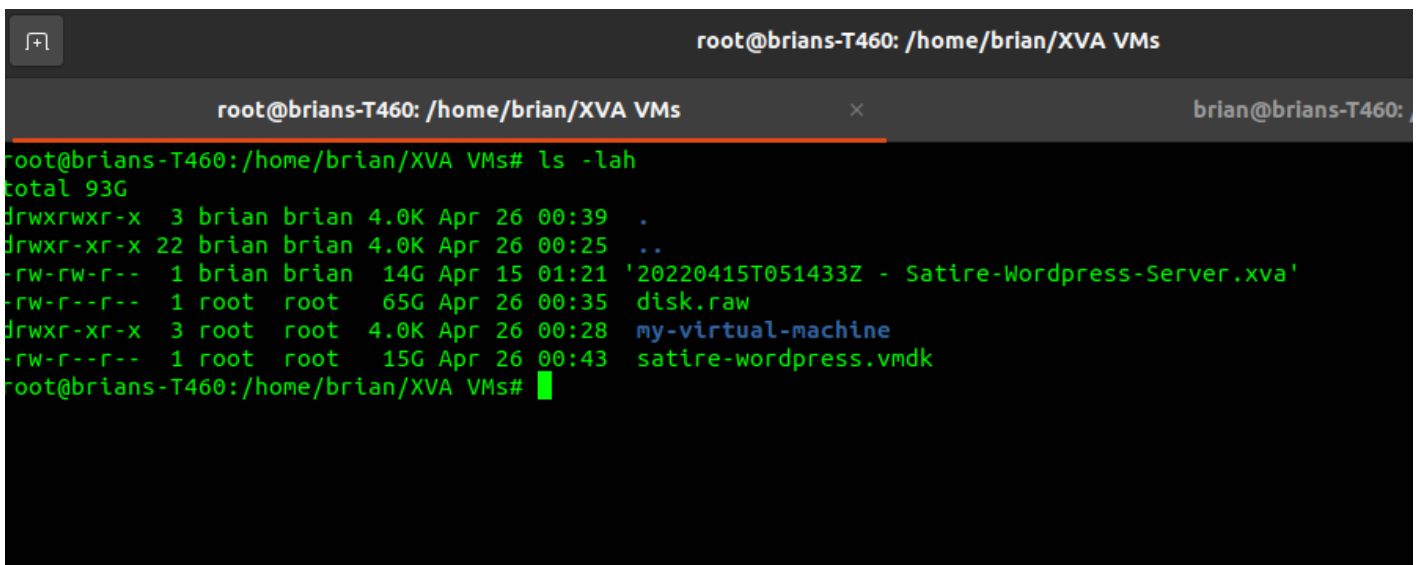


2.1 Extract the XVA File to Raw Disk

Objective: Extract the disk from the from the XVA to a raw disk to be converted to VMDK.

Step 1. Navigate to a location that you would like to work from. In my scenario, I am working from my user's home directory in a folder name 'XVA VMs'

Belows is a screenshot of my working directory

A terminal window screenshot showing a directory listing. The terminal title is 'root@brians-T460: /home/brian/XVA VMs'. The prompt is 'root@brians-T460:/home/brian/XVA VMs#'. The command 'ls -lah' has been executed, showing the following output:

```
total 93G
drwxrwxr-x  3 brian brian 4.0K Apr 26 00:39 .
drwxr-xr-x 22 brian brian 4.0K Apr 26 00:25 ..
-rw-rw-r--  1 brian brian  14G Apr 15 01:21 '20220415T051433Z - Satire-Wordpress-Server.xva'
-rw-r--r--  1 root  root   65G Apr 26 00:35 disk.raw
drwxr-xr-x  3 root  root   4.0K Apr 26 00:28 my-virtual-machine
-rw-r--r--  1 root  root   15G Apr 26 00:43 satire-wordpress.vmdk
```

Step 2. Once inside the working directory, run the following commands as root

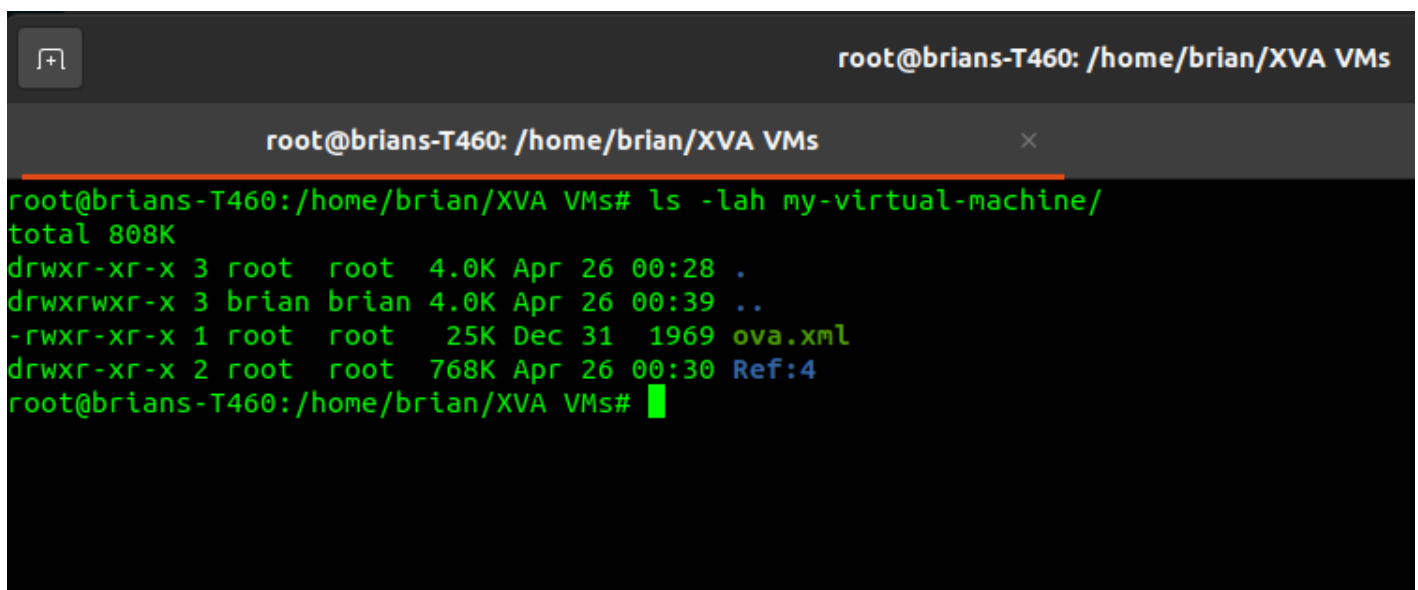
- `mkdir my-virtual-machine`
- `tar -xf my-virtual-machine.xva -C my-virtual-machine`

- `chmod -R 755 my-virtual-machine`

Step 3. Next we are going to export the Disk by utilizing disk-export command

```
xva-img -p disk-export my-virtual-machine/Ref\4/ disk.raw
```

The Ref: number may vary. The way to get the correct number is to run the ls command against the "my-virtual-machine directory where the ova.xml and disk files are located. Reference the below screenshot.

A terminal window titled 'root@brians-T460: /home/brian/XVA VMs' showing the command 'ls -lah my-virtual-machine/' and its output. The output lists the directory contents with permissions, owner, size, date, and filename. The 'Ref:4' file is highlighted in blue in the original image.

```
root@brians-T460: /home/brian/XVA VMs# ls -lah my-virtual-machine/
total 808K
drwxr-xr-x 3 root  root  4.0K Apr 26 00:28 .
drwxrwxr-x 3 brian brian 4.0K Apr 26 00:39 ..
-rwxr-xr-x 1 root  root   25K Dec 31  1969 ova.xml
drwxr-xr-x 2 root  root  768K Apr 26 00:30 Ref:4
root@brians-T460: /home/brian/XVA VMs#
```

Extraction Process Complete

It will take a little bit of time to extract, but the -p command when exporting will show you the current progress. Once it completes, you will have a '**disk.raw**' file unless you decide to name it '**somethingelse.raw**'

This completes the extraction of the disk from the XVA file. You can now examine the disk raw or convert it to any other format such as qcow2 or vmdk.

Revision #7

Created 26 April 2022 21:13:41 by Brian

Updated 22 December 2023 15:52:25 by Brian