# MIS 6363 – Lab 3 (Lab3.AWSStorages)

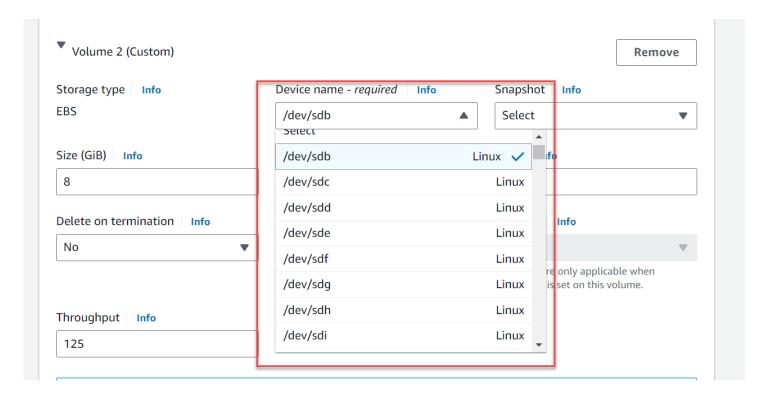
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#### Questions

1. During the creation of EC2 Storage step when you select EBS volume type what are the available devices ( how many and name of them) also explain what is the meaning of /dev/sdb etc?

Available Devices:

Names: /dev/sd[b-z] (i.e. /dev/sdb, /dev/sdc, /dev/sdd, ...., /dev/sdz)



Based on the Operating system, the Available device names are as follows:

#### • Linux instances:

Two types of virtualization are available for Linux instances: paravirtual (PV) and hardware virtual machine (HVM). The virtualization type of an instance is determined by the AMI used to launch the instance. All instance types support HVM AMIs.

Virtualization type	Available Device Names
	/dev/sd[a-z]
Paravirtual	/dev/sd[a-z][1-15]
	/dev/hd[a-z]
	/dev/hd[a-z][1-15]
HVM	/dev/sd[a-z]

/dev/xvd[a-d][a-z]
/dev/xvd[e-z]

### **Windows Instances:**

Windows AMIs use one of the following sets of drivers to permit access to virtualized hardware: AWS PV, Citrix PV, and RedHat PV.

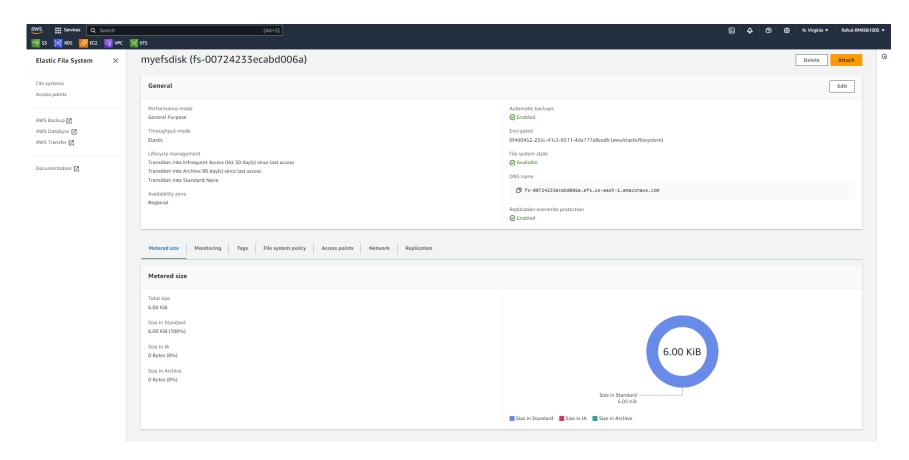
The following table lists the available device names that you can specify in a block device mapping or when attaching an EBS volume.

Driver type	Available Device Names
AWS PV, Citrix PV	xvd[b-z]

Driver type	Available Device Names
	xvd[b-c][a-z]
	/dev/sda1
	/dev/sd[b-e]
Red Hat PV	xvd[a-z]
	xvd[b-c][a-z]
	/dev/sda1
	/dev/sd[b-e]

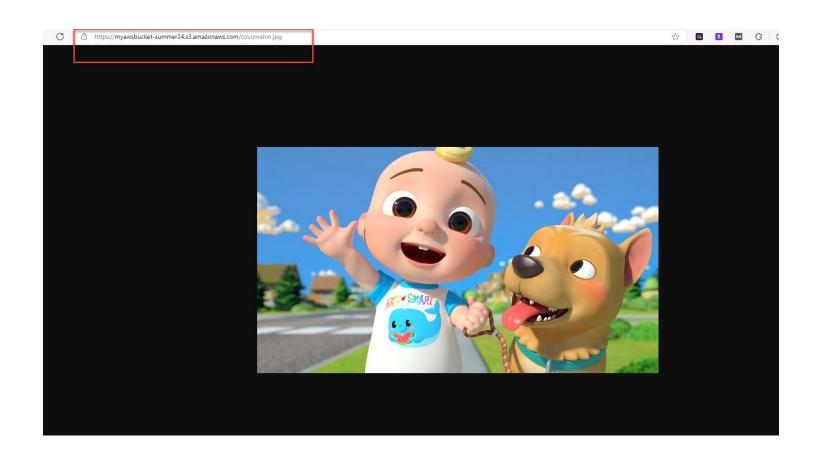
Reference: <a href="https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/device naming.html?icmpid=docs ec2 console">https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/device naming.html?icmpid=docs ec2 console</a>

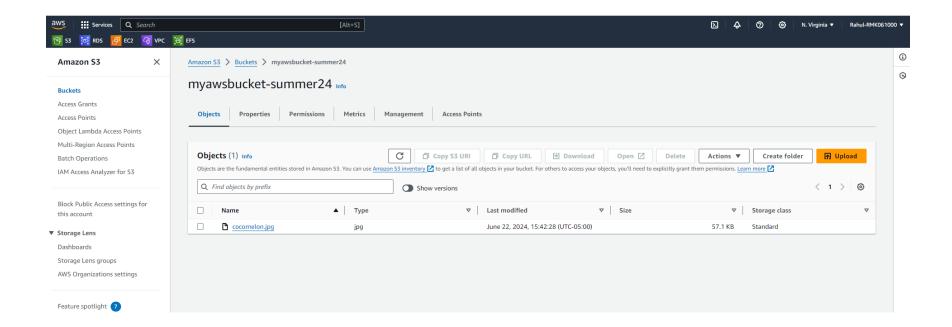
#### 2. Please provide EFS volume screenshot



3. Make your bucket public and insert one of the your favorite pet's ( or any other) funny picture in there and send me the your bucket address so I can check.

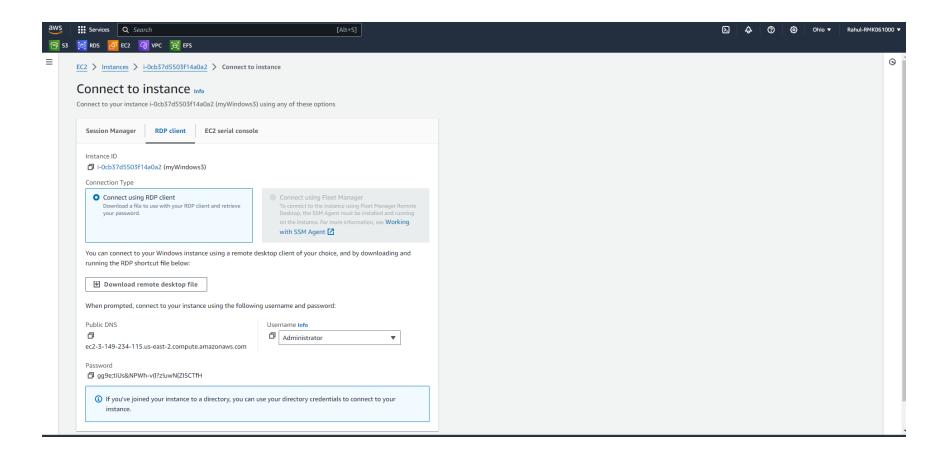
https://myawsbucket-summer24.s3.amazonaws.com/cocomelon.jpg

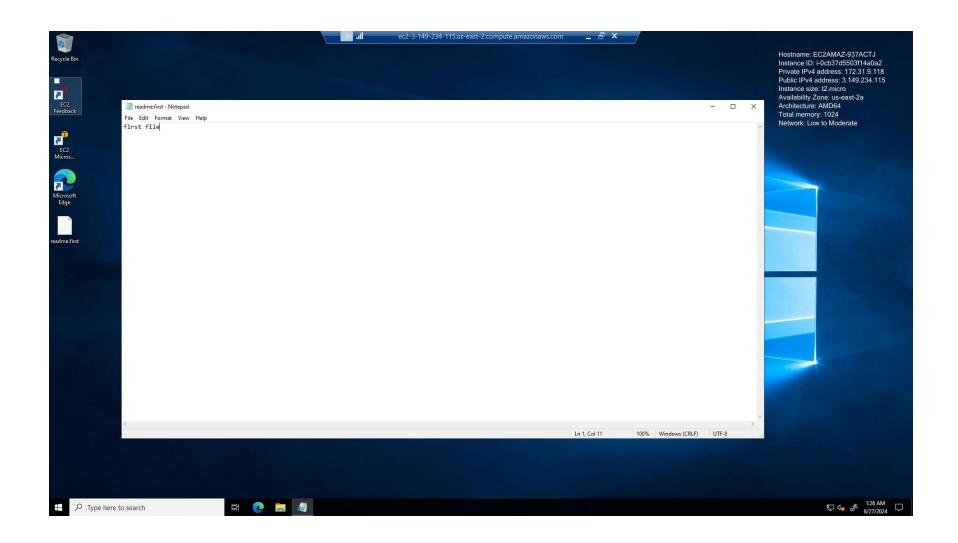




# Appendix:

# Connecting to Windows Machine





## Mounting EFS on EC2 instance

```
aws Services Q Search
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                S3 65 RDS 6 EC2 6 VPC 6 EFS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (3)
             newer release of "Amazon Linux" is available.
Version 2023.5.20240624:
un "/usr/bin/dnf check-release-update" for full release and version update info
"/usr/b
"/siff|
"-\ iff|
"-\ i
                                                                                                                       Amazon Linux 2023
                                                                                                                https://aws.amazon.com/linux/amazon-linux-2023
      Type
devtmpfs
                                                                                                                                                                                                                                                                                                                       Available Use% Mounted on
                                                                                                                                                                                                                                                Used Available Use* Mounted on
0 486168 0% /dev
0 486168 0% /dev/shm
3352 191116 2% /run
531340 6679424 20% /
0 486172 0% /tmp
1310 8892 13% /boot/efi
0 9007199254739968 0% /home/ec2-user/efs
      levtmpfs
mpfs
mpfs
dev/xvda1
                                                                                   tmpfs
tmpfs
xfs
                                                                                                                                                                                            486168
194468
                                                                                                                                                                                         194468 3352
8310764 1631340
    dev/xvuai Ares 486172
mpfs tmpfs 10202
'dev/xvda128 vfat 10202
mpfs tmpfs 97232
27.0.0.1:/ nfs4 9007199254739968
|ec2-user8ip-172-31-90-5 -]$ ■
```