# 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)**

A screenshot of a computer

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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** |
| Paravirtual | /dev/sd[a-z] |
|  |
| /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]  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:** [**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)

**2. Please provide EFS volume screenshot**

A screenshot of a computer

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**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>

A screenshot of a cartoon

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Appendix:

Connecting to Windows Machine

A screenshot of a computer

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A computer screen with a white screen

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Mounting EFS on EC2 instance

A screen shot of a computer

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