#AWS Elastic block storafe

EBS

- Unlike instance store - persistant
- Automatically replicated within availablity zone

Types

Magnetic

- Throughput optimized HDD
    - Low cost
    - cant be a boot volume
    - Usage - data warehouse, logs processing, sequential reads
- Cold HDD
    - Lowest
    - Scenarios where low cost is imp *cant be a boot volume

SSD

- General purpose SSD
    - Balances price and performance
    - Usage- virtual desktop, low latency interactive applications, dev environment
    - Can burst upto 3000 IOPS. Max IOPS capped at 10000
    - performance tied to volume size. 3 IOPS/ GiB
- Proviosioned IOPS
    - You specify size and provisioned IOPS
    - Consistent IO rate
    - IO request rate is 50:1 (10 gb --> 5000 iops)
    - Databases