

## Section 8: Advanced VM Configs

- The vm inventory can be filtered on names, zones and other attributes

### Computing Machine engine types

- Shown in create New VM

#### Types:

- **Shared Core**
  - ↳ Non resource intense loads
  - ↳ Single hardware hyperthread
- **Standard**
  - ↳ Balance of vCPU's and Memory
- **Memory optimized**
  - ↳ databases
- **CPU optimized**
  - ↳ machine learning
- **Mega Memory + Ultra Memory**
  - ↳ up to 3.75 TB

### Additional Disks

Multiple Disk options

- \* **Disk type**
- \* **Read/write access**
- \* **Snapshot protocol**
- \* **Size**
- \* **Encryption**

Addition to the boot Disk

- Disks can be created in
  - \* **create vm**
  - \* **Disk GUI**

Disks can be attached later

### Attach a GPU

- Create VM
- add GPU
- this is often expensive

### Custom Machine type

- Machine type = **custom**
  - ↳ will have vcpu + Mem sliders

### Snapshots

- Snapshot nav bar

Can save a disks state as a backup or way to copy a disk state

### Pre-tible Disk images

- Shutdown when done
- Save 80% cost
- **Availability Policy**
  - ↳ **preentibility: on**