Virtualization

- Replication of hardware to simulate a virtual machine inside a physical machine.

two general types of virtualizatuin

- **server side virtualization**
- **client side virtualization**

server-side virtualization

- Thick client of fat client.
- thin client
- zero client

client-side virtualization

- software installed on a computer to mange virtual machines.
- each VM has its own operating system installed

Benefits of virtualization

1. **allows running multiple OSs on one machine**
2. **allows applications to be tested before installing them on a hot machine**
3. **reduces costs by decreasing the physical hardware that must be purchased for a network**
4. **infecting host machines with viruses or other malware**

Raspberrry:

- the Raspberry Pi is a low cost, credit-card sized computer that plugs into a computer that plugs into a computer monitor or Tv , and uses a standard keyboard and mouse.