



System Architecture Details:

- 1) Yellow Color portion is the outside network and the green color will be the VPN.
- 2) **Host Computer** is the laptop on which the setup of the Virtual machines will be done.
- 3) The everything inside the black box indicates that it has been implemented via virtual machines on the Host computer running Windows 8
- 4) **Cent OS 7 Server** is installed on VMware and uses two Ethernet ports eth0 and eth1

eth0: used to connect outside network (Bridged mode) (Dynamic IP)

eth1: used to connect to VPN (LAN segment) – communicates with other machines in the same LAN segment. (Static IP : 192.168.10.1)

It will host the VPN and works as a router, it will bridge from public network to the LAN segment network.
- 5) **Client** will be running on Linux Mint and will try to access to the inside network via the Cent OS 7 Server.
- 6) **Interior Client** will be running Windows XP and will try to access the outside network via the Cent OS 7 Server.