(1) Hub >

The purpose of Hub is to connect all of your network denices to gather on a internal metwork its a device which have multiple points that accepts eathernot connections from network Hub is considered not be be intelligent because it does not filter my date our has any intelligence as to where the data is Supposed to be sent. And that's because the onder thing a Hub Knowle is when a denice is connected to one of it's points So when a data packet arrives at one of the points, it is capied to all of the other parts so all the devices on that hub sees that

data packet

Consider which waste band width

3 Switch => Switch is very similar to hub.

it's also a device that has multiple points that augusts

Ethernet connections from network devices.

But unlike a hub a switch is untelligent.

A switch can actually leven the physical addresses of the denices that are connected to it and it stores the physical addresses called MAC addresses in its tubile.

It's only directed to the intended destination post combile a hub where a hub will just rebroad cast the data to every part.

That's why switches are fair moire preferred over hubs A router is a device that scotes are focused on their IP address.

When a data packet is received from the router the router inspects the data's IP address and determines if the packet was meent for its own

determines if the puebet was meent four its own network ar if its meant four another network if the rower determine that the data packet

a's meant four atts own network, at receives at

But if it's not meent for it's own notwork, it

sends it aff to mother network.

So a rawler is essentially the getway of a network. A rawler is a layer 3 denice.

Grateways don't possess the digree of networking braffic control that rooters do but they usually offer simplified configuration.

yeteways after bund to have some third of an enboard pregregorming model as well as and some arm after 10 aptions.

The important thing about petways is that by definition is that they provides protocal

(3) Modern =>
A modern is what borings the internet into your home our business. A modern as labelishes and maintains a dedicated connection to your internet source provider to give you auck to the internet when the reason why you have to have a modern is because of the towo different tayper

of signals that are used on a computer and on the internet.

A computer only reachs digital signals, while signals and on the internet are onalog.

In analog data comes an form the undernet the madem demodulates the uncoming analog signals and a diguital signal so that a computer can understand it

And a madern abbo madulates autiquing digital signals from a computer into an analog signal as it gaves out on the internot.

The woord modern is men madulatour and demodulatour.

3 Repeater => In telecommunication a respector is a device that receives signals and retermental it. Repeaters are used to extend townsmittions so that the signal can cover larger distances Some temps of respector broadcust on identical ignal but after its method or townsmission for exp another forequency our bond rate.

Repeatures amplifies the attenuated signals and then retermsmiss it

(7) Boudge =>

Beriebye = Respeature + Functionalisty and reaching MAC addresses.

able a layer 2 denice

able also used four interconnecting town

LANs on the same protocol and it is
also a 2 part denice.

A bowdye inher connects Local wrea networks that we remning on the some gradueal and the bowdge is layer a device that

their is it processes are it deals MAC addresses