

tune of IP address	they	have: rublic of private
IP addless.		CONTRACTOR OF THE PARTY OF THE

Apublic address is used to identify the durice on the internet, whereas a private address is used to identify a device amongst other devices.

Example: - , models to 1 marting 15201 A of 1614 1

Here we have two stevices on a primate network.

Desktop-kits 192.168.1.77 - leinste

DESKTOP-KJES BG.157.52.21 Public

mumber of boto encion manufaction all sides

CMNatic-PC 192.168.1.74 laivate

cMNaticfe 86.157.52.21 Public

There two devices will be able to use their private
It addresses to communicate with each other.

However, any data sent to the Internet from eights
of those devices will be identified by the name
public TP address.

Public IP addresses are given by your Internet selvice provider (or ISP) at a monthly fee (your hill)

- I TO THE TOTAL OF THE PARTY O	
MAC Addresses	
- Devices on a network will all have a physical	
and sold south and such as a such as	1
New Authority Land Company of Minight Constitution of the Constitu	
at the Aactory it was built at called a MAC	
at the factory it was built at, called a MAC  Modia Access Control) address.	0.0
The MAC address is a true line - character hexadecing	0
number (a base sixteen numbring system	
used in computing to represent numbers) celit	=
with two 's and someotod by a colon. These	
with two's and represented by a colon. There where when are considered depeators.	
89. 94:63: FO: 85: ac 1.2d. Yu first	
- dix characters represent the company that	36
made the meturek interface , and last en	10
0.00 / 0.01 0.00	
is a unique number.	1
Story 1 20th sent of the of the source and sealed -	1
The address of the companies the sound to th	
09; c3; F0: 85; ae', 2d	
and the deliver will be himselfed by the test one	
Mendos who build Unique address of the	
the notwork interface interpret interface	1
CTotal lace interface interpret interface.	1
CTritel here)	1
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

PAGE NO.
DATE: / /

However, on interesting thing with mac addressed in that they can be faked or "specfed" in a process (enown as aprofing.

This spooping occurs when a networked device protonds to identify as another ming its mac address.

when this occuss, it can often break poorly implemented security designs that assume that desired talking on a notwork are trustworthy.

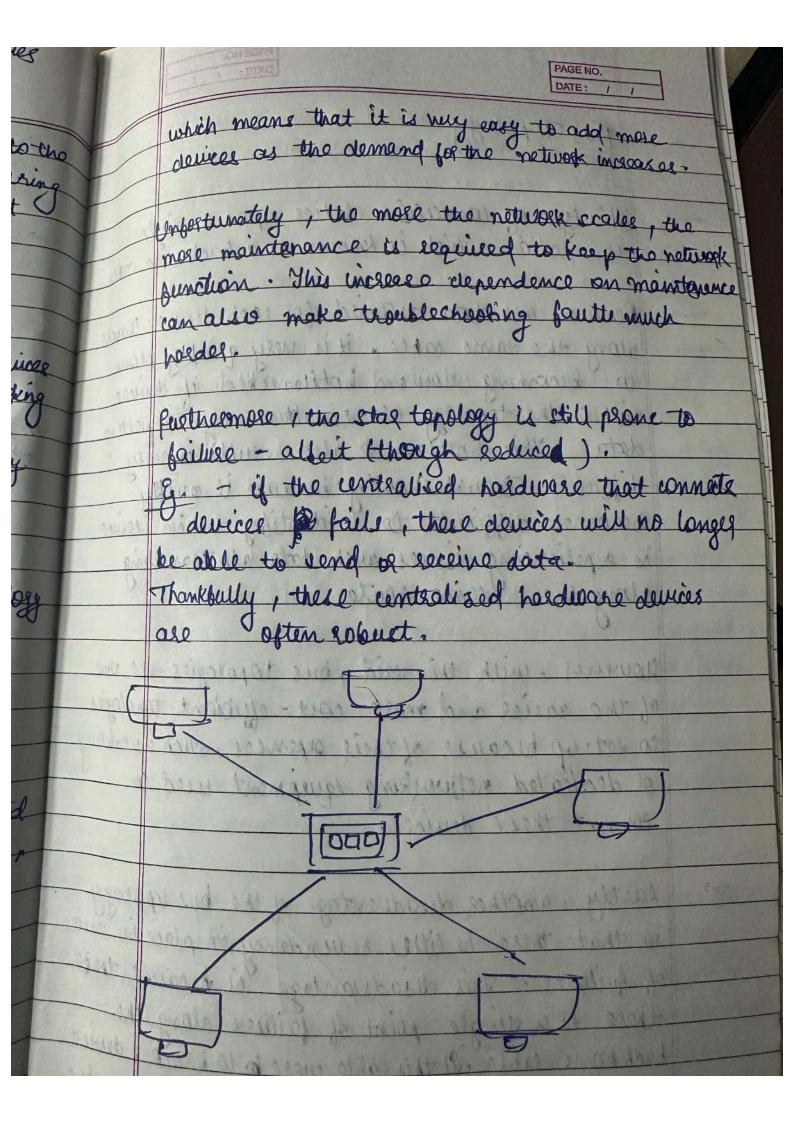
Take the following ocensie:-

THE RECEIPT OF THE

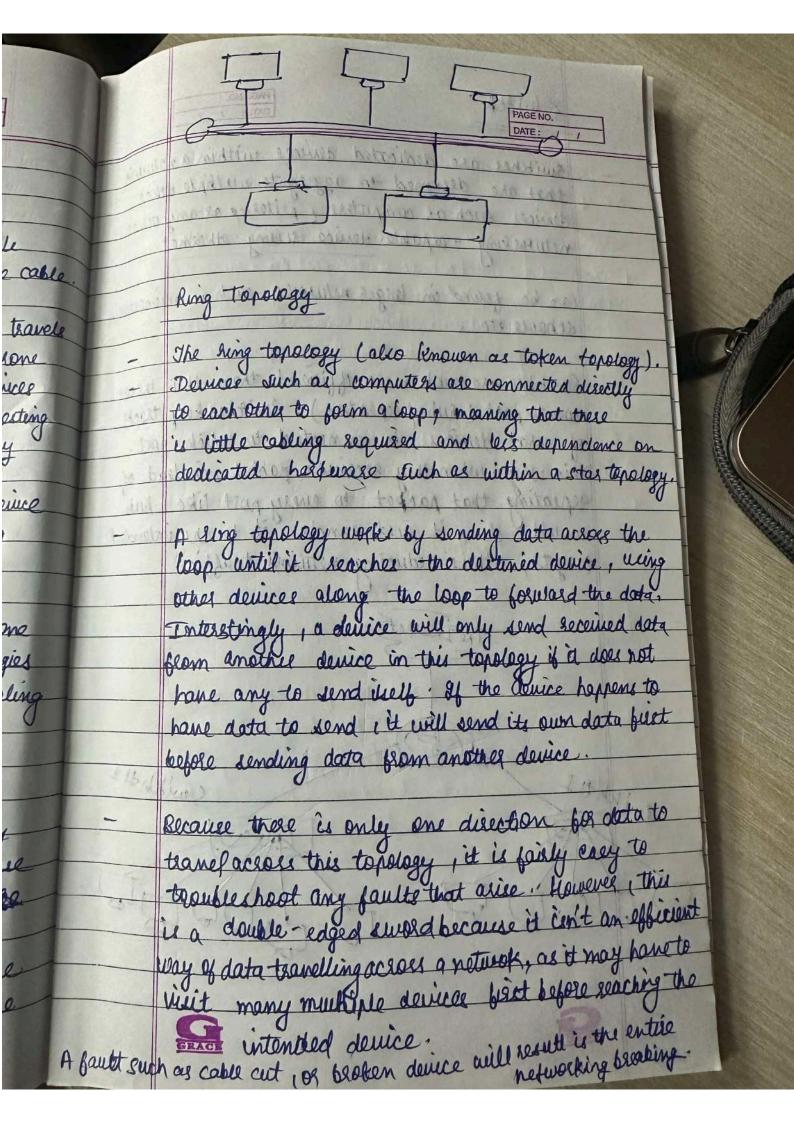
A fixewall is configured to allow any communication going to and from the MAC address of the administrator. If a device were to pretend of "Troop" this per mac address, the fixewall would new think that it is sociouing communication from the adminstrator when it isn't.

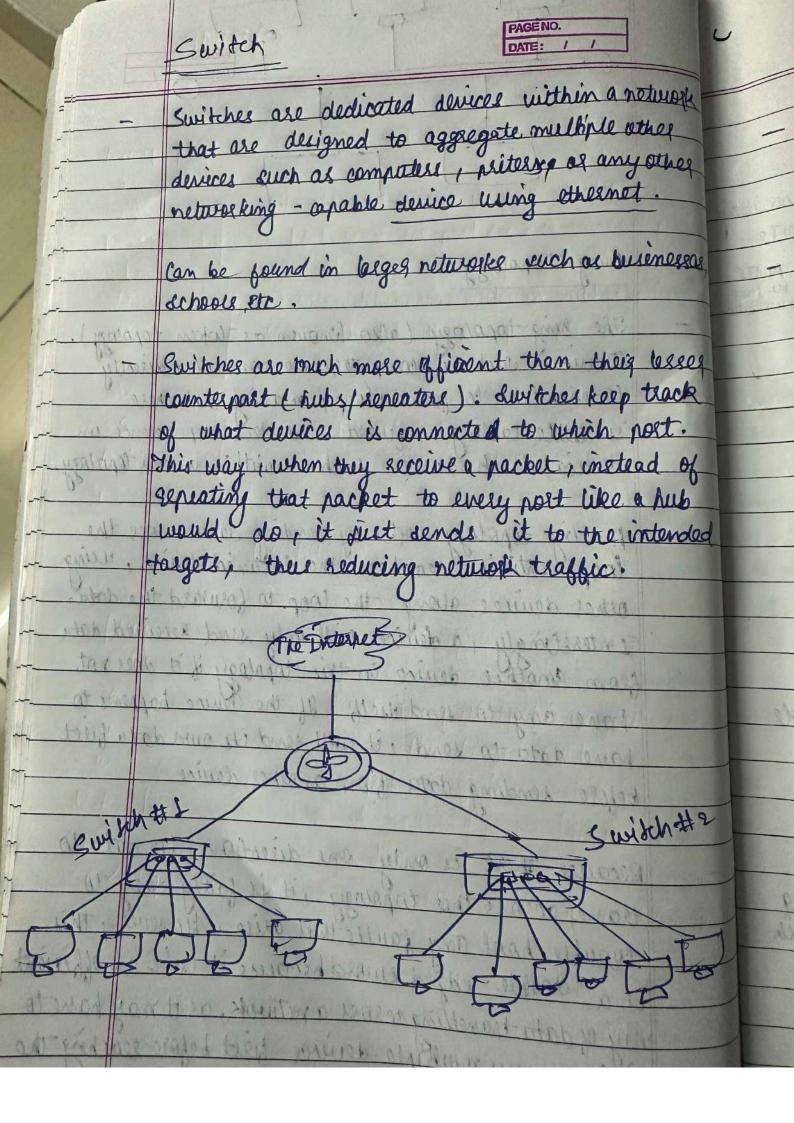
Specification and policiality

	Local Aseq Network  PAGE NO. DATE: / /
عرد	In seference to notworking, when we reper to the term "topology", we are actually topology", we are actually topology"
0.1	hand.
(4)	STAR topology
LIN TWO	The main premise of a ctar topology is that device are individually connected via a control notworking
	this topology is the most commonly found today because of the soliability and scalability.
Minu on C	despete the lost and and the same
nace 1	Any information vent to a dovice in this topology.  I sent via the central device to which it
	Advantages And Disadvantages
i	because more cabling and the puschase of dedicated notworking equipment is required for this topology t is more expensive than any of the other
Hè	mence, despite the added cost, this does provide



Bus Topology Jhistype of connection belies upon a single connection which is known as a backbone case - Because all data determed for each device travel along the same cable, it is very quickly mone to becoming slowered bottlenecked if devices within the topology are simultaneously requesting dota. This bottlemed also results in very difficult travaleshooting because it quely becomes difficult to identify which deince is experiencing issues with data all travelling along the same soute. Howevery, with this raid, bus topologies are one of the casies and more cost-efficient topologies to set up because of their expenses, such as cabling of dedicated networking equipment used to connect these devices. Lastly, another disadvantage of the bus topology is that there is little redundancy in place in case of failures. This disadvantage is because took there is a dingle point of pailure along the backbone cable. If this cable were to to break, device can no longer receive or transmit data along the





Routes ge's a souter's job to connect networks and pass data between them. It does this by using Routing is the Cable given to the process of data travelling accross notworks.

Routing involves creating a path between notworks so that this data can be successfully delivered. William turkens contact

