Course 4 week 1.

Introduction to the 74/IP Protect

Stateles Inspection - it does not have a Senson table.

- Cach packet is inspected one of a

Browers 57CP Staleless Inspection we Case

-> 70 protect voiting engine

-> 70 control traffic going inor
your organization

S For trouble shooting proposes

-> 70 control traffic routing

5 To perform qus/65.

State M Inspection -> has a session Ip

and all conclusts

Session ID consists of will preven exchanged between parties during an exchange. -> sessions have a number of element -D Source IP authorizes the destination IP address -> the same point proketu. Firewall Filtery TDDS and IPS. siteeties - Intrusion De tection Systems => An Intrusion Detection System is a retwork severy technology originally built for retecting rulnerability exploits against a target appliation or computer. of IPS is a listen-only device. >IDS monitors traffic anoxyments
its report to an adminstrator. -> Cannol actomotively take action

to prevent a selected exploit toom taking over the system.

Tritusion Prevention System > 18 a network
Security of threat prevention technology
that exambs network target Glous to
detect and prevent vibratistity explain.

It sike directly behind the Recuall
Loftine listener.

How does IDS & IPS detect threat?

- -) Signature Bayed
- -> Anomaly- Based
- -) Host -Bush
- 7 My work based

The difference between IPS vs IPS.

Placement of Netral direct live of raking of

Communication. line of comme sytem type (Offlia) Passive De Jection Makanism 1.) Statistically Anamoly Bay. NAT > NEAWGRIC Address translation -> Remapping one IP Adress Spine into another or Astitional layer of Security -> Use different IP from Organization -Nat Crateria for private retwork. of NAT one-to-one mapping Static > Allows local & global between

works

Dynamic > Address Translation: Maps uppregistered IP addresses to registered IP addresses.

Overboding:

Network Protocols over Etherset & West most.

Ethernet pridges has 8 mals For — Forcardy France — Learning MAC Addresses Stortrolling Traffic.

Layer 2 and layer 3 Nethork
Addressing-