William Prado 04-24-2028 Firewall uses and types fifter and types, fifter wan you can filter base on keywords. Types: - packet filtering firewall Firewall - Circuit-level battering - Application-level gateway you type -> ACL: access control list. Stateless vs. Stateful fire well. · Just packet / · Data flow · fast pesource intensive Web Http 243

The 14 transport SmTP

VDP

FTP

DNS

VO2P

Send

Se Youtube What is a firewall?
Fire wall rules -> access control List - Host base firewall - protects that compreter only - Network base bostware- can be stand alone firewall -Youtube SYNNY Intravet router Pirewall proxyserver 1. Part filtering or Part Blockings 20 MAC filtering - Medsa Access dontrol povice

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3 IP filtering Wock packets based on layer 3
4 Content filtering or State ful filtering must have a valid ID. All packets are examined as a switch Router provider sources.

Stream as a whole.

Firewall with ons a Firewall ONS Server UTM - Unified Threat Management (UTM)-single had 15ther. What is next-gen firewal ? NOFW is an advanced secuvity tooldesigned to protect business from cyber threat. NO FWS-recognize & control traffic, block new attacks, protect against phising transonware. Circuit-level Gateway. Layer 5-session. Verify establi-shed TCP connections + keep track of the activities sessions. • State ful inspection fivewall. TCP/IP 4 transport

3 Network Oosta Link Physical froxy server-retrieves data on the internet on behalf of a vscr. · Privacy, IP address is not visible.
· Speed - cached web page Deutabouse on proxy server
Soves band with · Activity logging - keep record of websites visiting. NPN- Virtual private Network. Encrypts delta. Net doesn't filter, only translate. Proxy-filters at the application layer.

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Mostupe Sideo Proxy Berver Function 2: as a caching machine.

1) 3: Controlling illout & outpound traffic

(1) 4: S: can be setup to by pass the five wall. Proxy vs Reverse Proxy Explained Jost voe Video. Proxy "Middleman," By pass firewall, Application firewall, WAF, Wilters: port, MAC, IP, content. UTM: NGFW. Security Appliature of Sense Reverse server. everse xxver.

• protocol-specific inbound traffic

• handles request from the internet to a server located inside a private network. heverse Soul Benefits: load balancing, authentication, caching. Reverse Server to protect the server. Forward Server to protect the client. Network Jypes, LAN, WAN, PAN, WLAN, CAN, MAN, SAN PAN-personal area network. LAN-local area network. WLAN- wireless local area network CAN - campus area net work. MAN - Metropolitan area ustwork.

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SAN-Storage area network Storage network rage local area Suitell Do. Buse
Network Demail Osterack Sursame. LAN topologies Layer 1. physical, logical, hybrid logical-signal flow.
point to point - one device connected to another device. Point to multipoint to pology.

Bus topology. Jaisy chain topology.

Ring Topology - Late flow in circle rutil reach

destination. Star topology.

Apprid Star Ring (Star-wired ring)

Star bus (Star-wired bus) Partially Meshed topology fully meshed to pology.

Mesh to pology of Tufrastructure topology. oscalable wetwork Hierarchy USCO · Resilient 3 Manage alde. Access