willian hado 04/21/2025

losson Sol Konting Technologies Monday 21 April 5. 2 Dynamic houting Tech Tresday 22 April Thursday 24 April Friday 25 April 5.3 Network Address Translation S.4 Firewalls. 505 Enterprises Networkech 5.6 Virtual Lans Kouting & VLAN 3 Network: Ipv4 +6; houting, houton', packets 2 Data link: MAC, Ethernet, "frame", USC, Switch, Ap 1920168.1. X 2036PS 192.168.1.62 Dottep server to 255.255.255.0 Webserver 192.168.2.19 Static = voed trip, manual Static Dynamic: Best route Metrics Eto Source Yout voe class room why do we need both IP + MAC Address ? MAC address tells who you are I never changes. Youtube Kowling Technologies Phofessor Musser houters are eigital direction gipus Every IP device has a routing table Routing Table u/ RIP12

Administrative distances first Hop Redundancy Protocol (FHRP).
your Computer is configured w/ a single default
geterray. subjectaces.

· a device has a physical interface

· some interface are not physical G// G//2 G0.01 HID Interface: PATA, SCII, SATA, Nouse / mig, USB F-connector; St, SC, LC Joseph Static vs Dynamic routing & routing metrics. - Static Routing - Dynamic Routing Static Lixun/Rule - Routing Metrics. Static Algorithm/ Rule RIGHT Routing Packets Static howting benefits Simplicity; easy to set up tradictain Predictability heliability Perfermance

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Dynamic Reving: allow now ters to automatically adapt to change in the Network.

More fexilale howting Metrics: are values used by nowters to determine the best route/path to a dostination.

Hopcount. Interior bateum Protocols. (ICP) (ESP) Exterior Gateway Protocols Path vector BGP distance Vector Link State ETGRP RIPUL BIRZ IS-IS IGRP Never change HHP & Payload TCP/IP A-paylead H transport TCP reliable 3 NET routing router IP v486 , packet layer How a packet get from A to B? web ver 192.168.1.5 10.10.10.12/24 192.168.1.6 24 10.10.10.11 /24 BBB MA .6 | | Personal

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Packet Forwarding

Received Packet -> Examine packet -> Consult make

Received Packet -> Examine packet -> Porting -> Forwarding

Totale

yourne Distance-vector vs link state + a hybrid EIGRP.

Hybrid Fouting Protocol - ETBRP > cisco proprietary postocol, EIGRP is hybrid protocol.

Routing Protocols

Fixture

Link State

Hybrid

Real

* neighbor Real

* Reviver "Actual"

* Routing Protocols

Exterior

BGP

Internet

* Routing Protocols

Exterior

* Replace Hybrid

* Fig. a Round"

* Special Protocols

* Routing Protocols

* Replace Hybrid

* Routing Protocols

* Replace Hybrid

* Replace Hybrid

* Routing Protocols

* Replace Hybrid

* Replace Hybrid

* Routing Protocols

* Replace Hybrid

* Routing Protocols

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* Routing Protocols

* Replace Hybrid

* Replace Hybrid

* Routing Protocols

* Replace Hybrid

* Repla

Link State
RI

CPV O

RI

CPV O

RI

CPV O

RS

CPV O

RS

CPV O

RS

Tis neighbor. Uses
both Distance vector is link state.

To Do: Dion Exam 2 by Sunday.
Do: Lalos.