

NEWTON's TELECOM DICTIONARY

23rd Edition

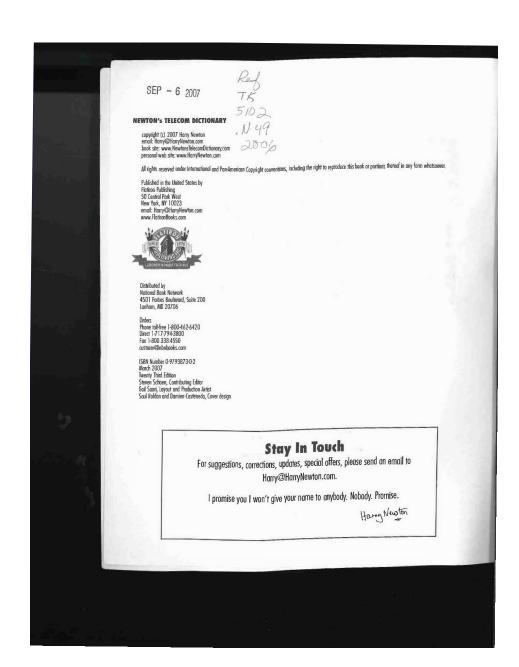
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router-based firewall . routing area subdomain

local Internet Service Providers (ISPs), from coporations to Universities. The main provider of routers in the world is Cisto. It has built his gipanic business on selling routers — from small ones, connecting a simple corporate IAN to the Internet, to copporate enlarpsise wide networks, to happen oses connecting the largest of the largest budohave service providers. A router is, in the strickest terms, on interface between two networks.

Routers one highly intelligent devices which cornect tits cord unlike IANs (Local Aeaa Networks); and services, and interface the review of the Networks). They connect to NAMs (Metopollan Aeaa Networks) and WANs (Vilde Area Networks); and Sx 2.5, frame Reisy and AIMs. Course ore protocol-sensitive, typically supporting multiple protocols. Routers most commonly operate of the bottom. 3 layers of the CSI model, using the Physical, Link and Network (Layers), in order to resurve end-twenty of the control of

- Support for Multiple LAN Segments
 Support for Disporote LAN Protocols
- FilteringEncopsulation
- Fnrogoslution
 Accommodation of Various and Lorge Pocket Sizes
 High-Speed Internal Buses (1+ Gbgs)
 Self-Learning
 Routing Bosed on Multiple Factors
 Route Length
 Number of Hops
 Bosto Conception

- Route Congestion
 Troffic Type
 Support for a Community of Interest (VLAN)
 Redundancy

Bridges, Huls, Internetworking and Switches:

router-based fire-wall A notte-based firewall is a pocker-littering router. Not
everyone agrees that a pocker-littering router done is a fiewall. Alony speek exist of the
voly a system that inducites a deliberation glowery is a freed. However, then sepole
argue that a pocker-littering router is a fiewall because the router meets important frievall
celletic. The router is a computer through which notine controlled producing the produce of the controlled producing and of the producing prover is being produced of and no traffic to being forwarder, resulting in an Internet brownout. This can occur on all types of brokbones, regardless of the certificate, but noted the Prevolves, which deploy the most rotters, or perticularly vulnerable, router protocols. Router protocols figure how A formula used by routers to determine the appropriate point on which data should be forwarded. The routing protocol also specifies how router sepont changes and show information with the other routes in the network that they can reach. A routing protocol that electrons the electrons of the protocol protocol should be controlled to the protocol from the other controlled protocol and protocol should be other protocol from the controlled the determines the deproporation of the protocol protocol should be the events of the three controlled to the controlled the determines the best protocol from the protocol from the protocol for the protocol from the

and renain stolic.

Quen shortest plath first (CSPF). A routing protocol that determines the best poin for routing IP traffic over a CTP/IP network. CSPF is an interior gateway protocol (ISP) that is designed to work within on autonomous system. It is also a link state protocol that protocol to a contract point and to the ISP protocol (distince vector protocol) that it

less under to router update hethic than the REP protocol (distince vector protocol) that it was designed to replace.

Routing information protocol (RIP). A simple routing protocol that is good that if part of the TCP/P protocol suite. It determines a router bosed on the smalless that pound between source and destination. RIP is a distance vector protocol that routinely boodcasts outing information to its neighboring routers and is known to waste bandwidth.

Border gateway protocol (BGP). A routing protocol that it used is soon customerous systems on the Internet. It is a constant of scroble a protocol that of used is soon customerous that is consecuted member. It is a constant of the soon customerous that is consecuted member of voroible P brothesses and the Internet. It is estimated that these are more than 60,000 ISEP routes currently on the Internet. Closkes internation in uniting. (DIP). A method for creating additional coldiscesses of the Internet that are given to Internet travers providers, which is than delegate them that it can be provided and the contract of the providers and provi

than 30,000. Without CIDR, the outless would not how been oble to support the increasing number of internet sizes.

Multiprotorol loads switching (MPS) A specification for load set 3 switching from the MPS Uses alloads, or that, the control forwarding information, which are considered assets by the initial router. The switches and routers down the nod exam he declared assets the production of the switches of th

Support for Community of Interest (VLM)

Redurformy:

Network Management via SMMP
Router protrogic include both bridging and routing protrogic, as they perform both functions. Those protrogic include both bridging and routing protrogic, as they perform both functions. Those protrogic include both bridging and routing protrogic protro

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