Assignment	AS
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- · Title; Study of ons lookup.
- on to address input, it should neture URL 4 vice-versa

· Objectives:

1. To usun & understand DNJ lookup.

2. To waren & underested concept of IP protocol

, Theorey:

Humans accest information online through domain names like nytimes.com. DNS translater domain names to IP addresses to breowers can road Internet serforance.

DNS ferrores eliminate the ned for human to respect IP addresses IP addresses the new for human to respect to be a 192.165.1.1 (IPV4) are more complex IP addresses such as 192.165.1.1 (IPV4) are more complex IP addresses such as 192.165.1.1 (IPV4) are more complex IP addresses such as 192.165.1.1 (IPV4) are more complex IP addresses such as 1920.1000. 2045.1 (1629:d7a2 (in IPV6).

The windows server 2003 DNS server terior terrorices use proposed that is included in TCP/IP proposed suite.

TCPIZE Model

TCP/ZP preotocal suite

application layer	reiner P	TP 'S MTP	DUL	FLP	S NMP	
Tuanipoet layer	TCP UDP.					
internet layer	IP HC	JECMP ZONE				
nemous manyan	I.e.					
Layer	Emernet	Emeret tokenting			TM	

DNS is a part of application layer of TCP/ TP suference mades

Technologies that use DNJ. DAS & Active Directory window feurer 2003 Active directory service DNS or its domain consulted excation mechanism, when any of the principal Active directory operations is performed is uch as authentication, replating ore rearecting, windows server 2003 computers we DNV to wate acrive directory domain contrallers and there contraller we DN to socate each orner DUIT MINE, The causier method of name resolution por a window report was windows enternet want bervice (NINT). DNSK DHCP: For windows server 2003 DNS, DNCP service preorides affaired resolution ecuvice texpout to register & update information for regary DACP wients in DNV. zones , regary wients typically include other niceosoft TCP/ZP went computery that 3 were remared purious to "windows 2000, DNE is default name nevolution survice used in a nicessigt windows servere 2000 network . DW in a port of windows server 2003 network DNS Arechitectures: It is a hierarchial distressured database & an associated set of preosocols that define. · A mechanism bore quereying or apparing the database · A machanism gov replicating the into in the datosare among survers.

A scheme of database

DN Domain Namel,

containing remions types of data, including that host names a domain names, the names in a DNF database bourn a hierarchial truck structure caud domain names pace.

A bully qualified Domain Name (ZCODN) uniquely identified the host position within the DNF hierarchial true by specifying a wirt of names separated by dots in the path from the superinced host to moot.

- Unavertanding one domain Namerpau:

the DNF Domain nonrespace is saved on concept of a true of which of named domains. Fach rend of true can represent either a breanch or may of true. A may represent a single name used once at their level to indicate a specific resource

DNS. Domain name microschy.

Figure below shows how microsoft is assigned authority by the trunch self berners for its own part of Dris domain names pare trees on interent. One clients Ascurer we querk, as bendamental method of recienty names in trees to specific types of resource information

Types of DNs domain Name:

19) Root Domain: This is top of teel suppresenting minimized

ou type of sugarization using a name.

iii.) record herel domain: variable congth names registered to

on individual on organization for use. ive) subdomain: Additional mains that an ayanization can wate that tree deceived grown registered record herel domain name ons. Domain Name Hicearchy V08 mydomain · conduction: we successfully leauned about now and enecuted preogram