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Course: CSE-405 See: 03

Ans: to the G: No: (3)

Leaky bucket algorithm control the flow of innegular data and make the data in regular flow. This helps the network to remain congestion free This is know it works: - below to moitsday

Lets assume a backet with a leak, so the water will come out through the bucket constantly. No motter how much water intit. Similarly this idea applies to control the thou of innegular data in the NIC. How is stoned source

ODD jonegular data TLBA NICKLAS SI SENDINGEN is grade a field by the second of the second

The stis whow iLBA's works.

Hene, Dostan= 512 MB/s

Time = 950 usec

: Data = 512 × 950 × 10-6

- 0.00048 mg - 1000 ten all egled - Destation of output = 0.00048 sec

1. 4. 4 0 0.00000 Th see 2601

methings today plant

Ano: to the 9: No: 2

In short length of a sequence number, the sequence length is only 4 bit long. 50 we know is link state algorithm skjuence number is update by its next number which is greater. When we use 4 bit sequence number, after '1121' which is 15 there is no number which is greater than 15.

So it is not possible to update the data.

That's why 32 bit sequence number comes,

to solve this problem.

Distribution table for 3:-

owner	Source	Age	Seatt	link state Packed sout				Acknowledge meet sent			
				P	U	T	P	P	U	T	R
P	F. Tan	60	118	0	1	. 0	1	1	0	1	0
T	P	60	98	1	1	0	0	0	0	1	1
P	U	60	116	100			2000	we of			
		ani					70723 33	-			

Here sequeree namber 15 116 but 3 already
had a packet from 'P' whose sequence
nabmen is 118. So It will not include
in distribution table.

Ansilto the B: No: 15

Here front end is busy to handle receiving and neplying request. To improve penformance we can send the preply to the client directly. Which is called 'TCP hand off! Another way is: - We can send the nequest on to the specific machine and that some specific machionne will be nepty the nequest. In this scenario each machine has its own cache memory and its multi-thread system.

and statact

so it will easily search in its cache memory and my reply the request. 80 1 t can improve the pentin monce significantly.

Andost and specific machine to specific request; 0000 0000 p o o n LAN and Fruit End neply 21 10 200 request reply Client Es tripor the tile. -: shis serms sell- not work (1) Accept the 90p workstien. Is but the stile down the Disk (3) Redway to the eliculi (4) TEP expression Felt see

Ansi to the gino: (4)

Steps of for host: -

- D Browsen determines the jahoo URL.
 - 2) Browsen ask introduction DNS server for the It
- 3) DNS replies with the IP.
- 4) Browsen makes a tep connection with no machine
- 3 Gets the nequested tile.
- 6) TCP connection is released.
- 1 Display the File.

Now for the server side: -

- 1 Accept the TCP connection.
- 2) cuts the file from the Disk
 - 3 Return to the client.
- (4) Tep connection Release.

those How TCP connection establish:-Root DNS Jedu DNS com DNS ong DNS siss ju. edu jahoo.com amazon.com leee.org DNS DNS. DNS DNS Tep connection (Host) client nequest Non overlaping

Zone

