	Date:/
	pulling pulling the second south of the termination
pulba	CSE421- Computer Networks-SFQ
	Kecture 18-Routing Algorithms (Link State)
	* Global Algorithm - knows all the network information of the topology
	before making routing table; also keeps a record of the costs of the
central	
	wf Distance Vector. costs.
1.3	* shortest path algorithm
	slubge and a soll
	(A) Link State Routing Process-
	Stop of - Fach router learns about its own DC networks.
	part of the routing table
	* Each router contacts its neighbors on DC nervores
	* router will not be aware of its neighbors on the link
	autilitreceives a hello packet> after it, an adjacency
	is established of the neighbor (active router)
	+ un response - inactive
	* small hello packets continue to be exchanged beth two
	adj. neighbors - koep alive function to monitor the
	state of the neighbor.
	Station Toble
	step 03 - factionner builds a LSP (Unk state packet) containing the
N	a 9 None estate of each DC wink organization
	and a PSP contains link-state into about the sender's links
1 45	1 4 de rospo
Nordel	of the star stortages where it has established and in since i asserts
10	No tras who sall a sound to the transfer on replica
5	Step 04 - Flooding LSP to Hello packet
3 011	* Each router floods the LSP to all neighbors who then
Floor	etore all LSPs received in a DB
The state of the s	* neignbor immediately sends out the LSPs to all other
	11

interfaces except the one that received it.

	Date:
rout	fing Protocof their calculates the SPF algorithm after flooding
* Link-State	-> reaches convergence must faster than DV.
le complete	Treached convergence
* LSP can be	sent only when -  sent only when -  step is suitably started istartup time.  in topology -> who broken   new router   adj. made or  oten.  L> DV teeps sending parkets but here only when
cor (1) rou	iter is initially started istarting mode or
berger outer lung.  Stop 05 - Building.	in topology -> link broken   allo source   mig
of all of post	oken.
eans texto where woo	- DV reeps sending packets but here only content
July John Hud	THE TO THE MENT OF THE PERSON
Register	CE Link State Routing Percess-
	ing the buk State DB of was word - 10 got?
was eller & reach my	uter uses the LSPs to build a DB that is a
elejanos de metere	te map of the topology + finds best path to
0.9+ No example each 10	lest netoork using SPF algorithm.
	his DB, the muting table is made.
Casture of lack rou	iter en the topology determines the chostest
	om its own perspective
	# OWIGH WOHO PACKOTS + OWIFINGE
P	Sylva SPF Tree addo on 5 ho
an more of more and	moderate of the nother
	Routing Table
	faster Network Convergence -> 18P Hooding
(1)	Topological Map -> using SPF tree, each & can
1 stroknos ant two	92m 2h
A brights) (A	1) Hierarchical Design - use of multiple areas +
reached adj. out order	Montes and ti oroma some better route summariza
basically itiese will	v) Event Driven updates -> LSPs only sent whe
to tiello packet	There is a A in the
i once 2 registation to	topology + specific in
The same of the sa	about the A+ no
with in at 1901 . A	
10 01 212 DW =	tup ships platoibavini rodnoise *

Date:			1
www.	***************************************	************	**************

	DV	dink state
(D Network view	Neighbor	Complete topology knowledge
(11) Best Path min	Based on fewest	Based ou Unk cost
	no of hops	
(111) Updates	Routing Table	Unk state updates when
	periodically	there is a s.
(V) Algorithm	Bellman Ford	
(V) CPU+ Memony	dow uhuration	
(VI) Hierarchy	No	Yes
(VII) CONVERGENCE	Moderate	fast-
	_ x	
	()	
- T		
	The state of the s	