Multihop Direct X -> y V -> Multihop X -> y Y -> Z -> a
Source Josephan
Jourse Jaestona ton
Bouting Challenges Lev Manet
1- Symetric, Asymetric Links
2 heterogoneus Vs homegans nodes
2- heterogoneus vs homogonous nodes 3- varying Mobility patterns of dilbrent nodes
(Stationy high mobility)
(Stationary high mobility) 4- ellicent vowling, consumed power, time delay
Bowling => find the optimal path between 2 nodes
through intermediate (relays node)
1 Intermediate nodes > Multiple Potential Path
Optimality means _ meeting performance requirement
Optimality means _ > meeting performance requirement
Drumberd has 16 distance 16 delay 190 state 1
Dumberd hops v@ distance v3 delay v4 plet loss rate
Depend on
appliation, delay, Sensitive, energy
CRos based
-

ALADIB

معكم اسم عله لو الحركة قليلة Proactive Exchange routing into between nodes change) and store in routing table (periodially or topology) When node has plet to Soud it Dit Consult routing labele 2 get up date route Blarward plet * Negligible deley - Em: 55 Ex: DSDV > Destination, Sequenced Distance every node has routing table Based on Distance: Distance vector each node meintein routing table route to every possible (destination) number of hops, next node, Sequence * Cach node <u>PeriodiCelly</u> Send its routing table to its direct neighbour when node recieve Intermedion from neighbour It updates its routing table

Scanned with CamScanner

Reachive son-demand Generate route only when a Source demand a route to destination
Discovery terminales when rowe is discovered or no rowle is lound ex DSR
ex DSR -> Dynamic Source routing.
DeR.
each node maintain Cache Source routes and update if new is lound
when node has to Send message it Consult
if there is a route to destination, use it
else iniate route disGrey > browdCorr > route request packet (Src, address, dst advers, ID)
each intermediate node that recieve (route request plut) Theck its Cache
if no route lound, intermediate node append its address. It to route request plut , send it to its neighbours
Boute regust mag reach destination or node with route to destination
route has infermation about all hops taken to destination
if destination is reliever sandronk relied in Toute reply ph
intermediate is reliever - vonte record, vonte to dest

Scanned with CamScanner

Vanet S > Connecting between close vehicles Smart > on Board unit Geographical Avea Synort Co - Smort Cor >> V2I Communication
Smort Gv ___ Boad Side unit Vavet Routing Schemes > (Reachive central) Broadcor Ful e Position Based GeoCost uni Cost IVG) BeaCHive Location Service Mode _____ lo Cotton greny pokt

pkt floods network until it reaches destination on The expires when destination recieves query plut Location reply plut with queying node id, location as

deliver 18kt as soon as possible works best in city environment Position Based (unicest) , Non delaying , G-8R Geographic Source routing Provide vehicular Connectivity in 2d city environent use Street map to compute path to destantion in terms of junction (Intersection) Sender uses (RD) to get destendion position Node Compute Path to destination using
Tolerest map) and (Dijkstra shortest path)
algorithm Sender Compute Sequence of junction on path that plat has to travel in order to reach destination Sequence of junction put into pht or Computed by each Lorwarding mode trade all between > band width
> performance (processing) Pernanding pokt Between 2 Successive junctions done by Greedy Perwarding