LE CTURE AFS

what is the def? FUN IDEA: Thus: pererse engineer what is the limit goal: scale of this? open ("/x/y/z .doc") (+ whe consistercy it disk!) [assume root is local] AFS! Prototype 1: AFS u. For each remote dir notize: all chents "x", "y" =) home disks! 1) if in local cache n/ callback, ctrent (venus): caching: open() => fetch entire file use w/o comm before using file in to local disk cache, check it untes visible read()/wnte() => entirely local 2) if in cache but "Ok" w ) locally w/o callback server close () =) if modified, flish 2) Mentilose Cengrafter client measure (elsentere) entire file to server 3) roncurrent unting Server reboot, server rebort, =) too slow, net failure? does not scale 9sk server for gets full pathnane from client (60% of calls to new call back (does full lookup) sener > Wildate 3) not in cache, thing) get it, get callback =) load imbolance how to fix? =) epu load (path traversal) Next open =) change the protocol 911 10091 => too many interactions of server Crash Recovery harder =) tateractions are inefficient = ( why ? ) AFS V2 server crish: same basic structure (whole-file caching on disks) unat happens to all the state? consistency: callbacks what if just a client: when file is accessed first time, ne twork failure? Obtain callback from server (4 promise) =) (availability us, => assume up-to-date unless told consistency vs, otherwise partitions ) = server: when mod occurs, other Fun: high notify all clients with callback volumes => allows name resolution: old full path =) server (too inefficient high and onserver (PU) admin to move trese new : pièce @ time across seners vol map carched rents "norme" >> FID (vol #, unode #, unique iD) (Vol =) machine) xelation (compare: northlords)