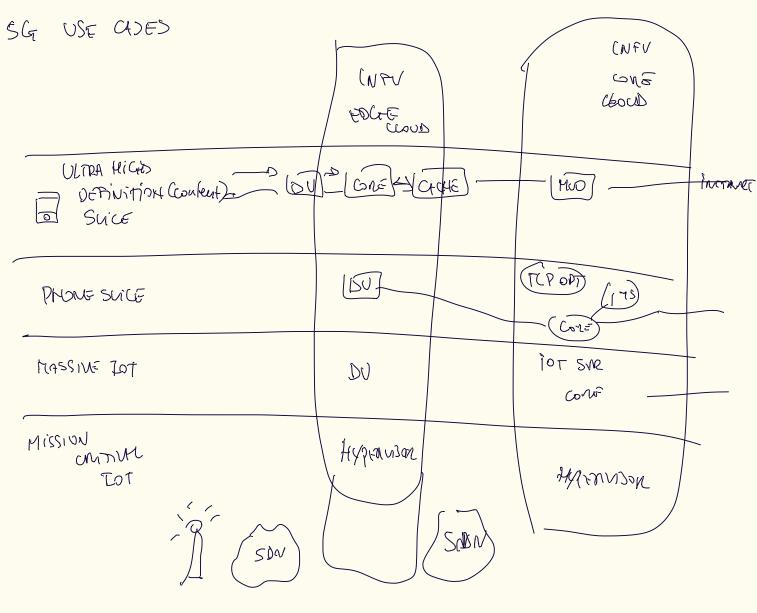
NTW	en suicing:
~ Im	portante relle Mobile MEMORKS—s evolutione al [56] => reprinti + completions disso regunerations
1)	Monsine Machine type Communications! I OT Lishibuted, prendere dati,
2)	Comunication offidabile e (Ultra Neliable law latery controller : sate law-latercy: law negative ME (anwriche)  enhanced tobile Broadland  AUMENTARE TLOBILE EROADBAND: wides, steering traffic
3)	AUMENTARE TLOBILE BROADBIND! whiles, steaming troffic
	:5 Bisopa ridirepuse l'orchitettura di sete que sudolisfora
KETWO	NN SLICING
_ D	e un achitettura física => cuare diverse architettre la che
	CEMB Video Shany
	vell selvating an / driving a)
USE NFV To veste	MITC 10+ ghre
TO WEST TO SHE	Phisival infrastructure: ANTNEXINAS, Phisical Links, Des
NETWAN	SLICE: VIRTUAL END-TO-END NETWORK BUIL ON 100 of a phisial returned
	-Deach retwork shre: & Requirements & Functionslities & 908
OUET "	TEZWOLOGIE TO REALIZE IT: NIV (I SDN   N-PWO SDNO) A  NETWONESUZES  WINT JEN VINE  V

vland vsine



. CON SON CIVEY => posso creare + network stress

- in UHD slice content can have & UNF like Distributed Unit: howard

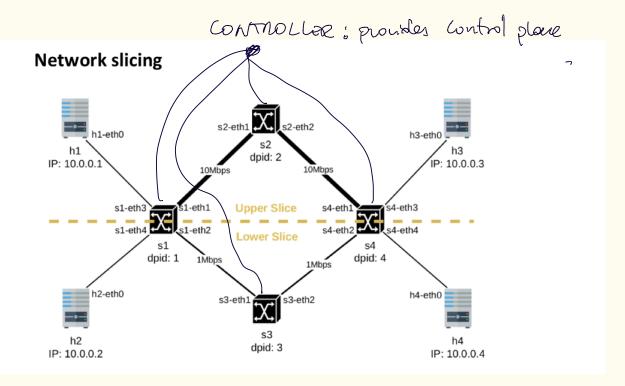
Distributed Unit: located port of RAN, can be close to phisical auteuro within a DC

=> Con more CORE FUNCTIONS
((ose to the edge)

=> 1 edge cloud., 1 are cloud

= ADC close to the RAN (auteros) and or receive

Sif X (GRE, renote) return



```
. In would topday: It hosts could comunicate the suitales to other hosts
 => wplama 2 slices on this topology, isolate the resources to how The slive
                                                                       to Hb/s
      · UPPER SLICE: M2-0 S1 -D S2-D S4-D h3
     . Luci Shre: liz-D S1-D S3-D S4-D hx
                                                                          · Con mintet,
 TOPOLIBGY SLICING: px => isometime of controller por
                                                                            on me stoyour weat
                                           respire opti eventi:
                                                                            La topologia, bost
def <u>init</u> (self, *args, **kwargs):
                                                                                SWITCH e LINKS
    super(TrafficSlicing, self).__init__(*args, **kwargs)
                                                          packet - in.
                                                               · Switch will ged to
    # out port = slice to port[dpid][in port]
    self.slice to port = {
                                                                     Contaller parchets
   Suite 1: {1: 3, 3: 1, 2: 4, 4: 2},
        4: {1: 3, 3: 1, 2: 4, 4: 2},
                                                                      May bourt hove rules
                               Sy well exclusion
        2: {1: 2, 2: 1},
                                                                           for there
        3: {1: 2, 2: 1},
                                                                    "S, stuct the contailer to
    }
                                                                       purform the slicity for
@set_ev_cls(ofp_event.EventOFPPacketIn, MAIN_DISPATCHER)
                                                                            pendet in everts
def _packet in handler(self, ev):
                                     there is defined than e
    msg = ev.msg
                                     padet in CHOUS MANGED BY
                                                                  2) SWITH FEAVUE
    datapath = msg.datapath
                                                                        neply may to contoller:
                                   => hun $ k sun Febr enforce
    in port = msg.match["in port"]
                                       the shize to the menge with partito,
    dpid = datapath.id
    out port = self.slice to port[dpid][in port] take want port where this
                                                                   at starts they echoup
                                            nog everyone for one
   Bactions = [datapath.ofproto_parser.OFPActionOutput(out_port)]
                                                                     fine rea/ NESP may
    match = datapath.ofproto_parser.OFPMatch(in_port=in_port)
                                                                     => Ils completed of contola
    # add flow(self, datapath, priority, match, actions)
  \bigcirc self.add flow(datapath, 1, match, actions)
                                                                    Soy: " med the packet you
    self.<u>send package</u>(msg, <u>datapath</u>, <u>in port</u>, actions)
                                                                   courst words to me via podet in
```

1 I'm registery the application @set\_ev\_cls(ofp\_event.EventOFPSwitchFeatures, CONFIG\_DISPATCHER) def switch\_features\_handler(self, ev): to this event elevents to datapath = ev.msg.datapath instruct the Cutables orten febre ofproto = datapath.ofproto y foother reply parser = datapath.ofproto parser # install the table-miss flow entry. match = parser.OFPMatch() => Fields fo the flow mands actions = [ WE WANT parser.OFPActionOutput(ofproto.OFPP\_CONTROLLER, DINSTALL: ofproto.OFPCML NO BUFFER)] HATCH: DNy packet for joi don't work entres self.add\_flow(datapath, 0, match, actions) def add\_flow(self, datapath, priority, match, actions): A crow: sud to contoller ofproto = datapath.ofproto parser = datapath.ofproto parser without Add the that # construct flow mod message and send it. frepore a inst = [parser.OFPInstructionActions(ofproto.OFPIT APPLY ACTIONS, actions)] for col mod = parser.OFPFlowMod(datapath=datapath, priority=priority, newall 6 match=match, instructions=inst) datapath.send msg(mod) Le sud to D WEL FLOW MODE MESSAGE Il controller inscrise come doubapath lo suitch & la input port priority, montale-field: in-port or other field insprumons: in this case >> sed to the controller => all his for the initial event; ag packet suda to contoler => incophilate a polet in packet in somhon ung @ DS: oblowing to have the pour of ports coupled => I mpot port we find the subjut port & prepare actions for the suited

I a pepre from with provide [ ]

Fy then and my to the snitch