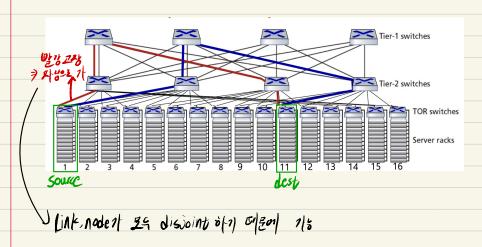


DCN DCN (Pata Center Networks): 40019 hostof 200101 023510 at Network 73 host (blade), TOR (Top of Rack) switch, border Routers 74 border Router & Etherner Protocol 18 Tier-2 switch TOR SWIFE host border router: 2427 Pata Center = 929 hicrarchical architecture 4 75 NM, 6/2 N-121. good - Traffic they 3

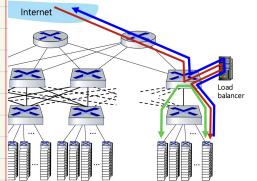
host에서 host로 오네 방 물론 제품 (switch)로 전통 반 switch에 Lossic Use | 日本 | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1 を | 1



2018 (throughput) 2214 (reliability) 371

Road boloacing

load balancer: 2140/14 240/2 utof hoston extract layer 4 switch
Ly NAT (Network Address Transmission): local IP=12 2134 2134 2134



## load balancer: ap plication-layer ro uting

- receives external client requests
- directs workload within data center
- returns results to external client (hid ing data center intern als from client)

global IP
To Local IP
> 201 37

trend

Centralized SDN control

order to routing protocole 1122 84344

> 115912 74 47, 544 872 14 2196101 47

SIN (software defined Network) 48 커 나타의 사이는 중앙 원중화

VIItualization 9 2495 AUE MB ex) AWS

Physical Constrains

host 문 역을 관심하 있고 나는게 전통했다.

→ 인경 원호하고 노인 TCP protocol 이 보고 않る → 正注至 子表 원오 ex) RTMA

hardware modularity

) श्रेष्ठं ष्युरास Container या अनुनामय

reliability

3 Data Center 2/2/21 2/30 2/2014