

10 ESI= 200 keyston \ = 200 Regs/Dec 1RE01=400 byton N servers CPU+RAM F.S: RAID1 2L disks (L+L)

NETWORK:

DFODIA = SFOOTA, NER + SFOOTA, RES SFOOINRER [[400]+ (FODIONO +TCROND + IPOND). #PACK]. 8

SF001, RB = [[200000] + (-- -).#PACK].8

#PACKRER = 3+1 2H & Handston && HPACKROS = (HP: TCP Knows MTU TCP: 20/1460 .136
20/20/1460
20/20/1460

FDOI: 28/20/20/1460 .136 28 120 120 1440 . 1

SF-DOI1, 900 = [400+ 68.7]. 8 1.08.10 3 perto to R < 1 sec

SF0011.85 = [20000+ (137+3).68].8 - 335.2.60 20

Drooi1 = 3.36 · 10-4 secs = 0.336 · 10-3 secs.

Visito al contert: 166. 2000 Algoria 164. 10-3

ETHB = 10 GBib/s

Ruc = 10 ps/packet

tons Blaken

FOD4 = 5 Chil/s

FODIZ = 8 (Ach/s

R21 = 10 us/paded

Scer = 20 m

Sca = 10 ms

Scer-FS = 20 ms

5015x = 10 ms for 10K6

MAX 3 USERS EPU MENTE & FS

PAIT : 50%

Peost < 10 %

Scanned with CamScanner

DETH = [200000+(137+3). Ovo + 400+3. Ovo].8 = 0.167 · 10-3 Dec ONO = TCPOND + POID + ETHORD = 20+20. 18 = 35 In the ethornet network to trans every lequest and Drooms equal to Oroon, Int with every agence. bandwidth different. So we repeat some Columber: OF001,2 = SF001,2 REQ + SF001,2 RES = [GOS+ (68.4)].8 + [200000+(00)].8 Visito al Contr 2 = 140+4. 1 = 144.10 ps = 0.672.10-6+ 209.524.10-6 =0.70.10-3 seco. We calculate the service demand of each Der = SCA · Part Sea · Pmin = 15 km (PI=Po ((MP1 = P0 /N P2= Po (m) MP2 = P1 /h => MP3 = P2 /h Po= 1+(1)+(1)2+(1)3 P1 = P0 (1); E Pi = 1 sigles X = \(\sum_{\mu} \cappa_{\mu} \) N=Ee i $R = \frac{N}{X}$ conver XTOT = W. X # of sorvers

AVAICABICITY:
Use can evaluate Availability using Combinational
undel or Markov:
Carte to de
CPC + RAT SERVERS: When the servers are servers and servers are servers are servers and servers are servers are servers and servers are servers and servers are servers and servers are servers and servers are servers are servers and servers are servers and servers are servers are servers are servers and servers are servers are servers are servers and servers are servers are servers.
Ai = 1/2: Sonon = Ball-Ar) 1-[1-A1]. (1-A2)] Equal for CPUs of Like system sust substituting
We outen for all continted in a calculate Pi. We outen for all continted in and then can calculate Pi. Acopy = 1- (1- Long) ² Amo = DAcoppo =

M/H/3 Indicate service and crownal rates exponential distributed and 3 servers in the system. With infinite great 3/H/H/1 optimize the previous configuration (PN (+18+)= PN(+). (1-N)c)+ Pa-1/4)(M). D+ PR R-1(1+Dt) = Pa-1(+). (1-N-1). 1c)+ Puz(+).(M). D++PA.N.A Pu-2 (++ D+) = Puz(+). (1-(N-2).).)+ PF(+). pu. S++ lu-++). PV-1/1. D+ PEH+Df)=PE(4).(1-11)+Pa-2)(1/(-12). 2). 2). Z P2=1 1=1-PF (a/a)=1 Then we drivate the sportions and she the systems of quatiens.

CPU + RATI : (SERUBRS) (N-1) A re