CIDR (clouds less Interdomain Routing) cal: NPC1-10:0:0:0 | 22-1024 IP addresses Total number of bits in 1P4-32 Bits in CIDR IP goldley- 22 32-122 =10,2710 = 1024 iP address 32-23=9,29=512 32-24=8,28 = 256 32-25=7,27 = 128 32-26 =6;26 =64 32-27 =5,25 = 32 32-28 = 4,24 = 16 116 - 65536 117 - 32768 118-16384 119 - 8192 120-4096/ 121-2048 EGI: UPC 1-10.0.0/24 -256 IP addresses Total number of bits in 1944-32 Bits in CIDR Ip add sell - 24

Total number of bits in 1944-32

Bits in CIDR IP address-24

32-2428, 28 = 256 1 Paddresses

10.00.0, 10.0.0.1, 10.0.0.2, ---, 10.0.0.255.

Egz: UPC2 -10.0.0.0 0 23 - 512 IP addresses

Total number of bits in I 1244-32

Bits incide 18 address-23

```
32-23=4, 29=512 21 addresses
10.0.00 10.0001 100000 ---10.000,235,
NPC-3
10.0.0.0 22
   10.0.0.0, 10.0.0.1
   10.0.2.0,---- 10.0.0.2.255,10.0.3.0-
  10.0.0.0 251
    10.0.00 4010.0.0.127
   10.0.0.0 26
     10.0.0.0 to 10.0.0.63
      26264
    10.0.00/22
      10.0.0.0 to 10.0.0.31
    10-0-00 28
       10.0.0.0 to 10.0.0.15
      24=16
   10.0.0.0 21
     2"=2048
  10.0.0.0 _- 10.0.0.255, 10.0.0.0 -- 10.0.0.0.255,
        10.0.3.255 , 10.0.7.255
```

```
10.0.0.0 20
  22 4096 1256
                           .16
 10.0.0.0 -- 10.0.0.2551 ----
                                   (252
          - 10.0.15.255.
                               8192 256
  10,0,0,0/19
     213- 8192
    10.0.00 ----
  10.0.0.0/18
     2142 16384
                   10.0.83.522
   10,0,0,0 ----
  10.0.0.0 17
     215= 32768
                     10.0.127.255
    [0,0,0,0]
     10.0.0.016
    216 = 65536
                    10.0.255.255
     10.0.00
UP(2; 20.15.0.0/23
512 Ipadolley
  20.50.0 --- 20.15.0. 255, 20.15.1.0 --- 20.15.1.255
VPCZ: 20.15.0:0 24
         256 Ip address
         ---- 20.15.0.255
  20.15.0.0
```

```
NPC4-20, 15,0,0 /25
    20.15.000 ---- 20.15.0.127
    UPC-5 - 20:15.0:0/26
     20.15.00 ---- 20.15.0.63
     NP-6 - 20,15.00 /27
      2015-000 --- 20.15.0.31
      VPC-7 - 20.15.00 28
       20.15.0.0 ---- 20.15.0.15
 SPC8 - 20.15.00 22
210 2 : 1024 645
   20.15.00 ----- 20.15.3.255
 UPC-9-20:15.010/21
    21'= 2048 bits
   20:15.0.0 ---- 20:15.7.255
  NPC-10-2015.00/20
      22= 4096
    20.15.0.0 --- 20.15.15.255
  MPC-11-20.15.0.0/19
     213- 8192
    20.15.0.0 ---- 20.15.31.255
 UPC-12-20.15.0.0/18
     214- 16384
                    20115.63.255
    20.15-0.0
```

```
JPC-13 - 20.15.000 17
   215: 32768
                   20.15.127.255
  20.15.0.0
JPC-19- 20:15.010/16
    216: 65536
                       20:15: 251. 255
    20.15.00
agi's upcal - 20.15.00 22
   subnet 1 - 256 1Ps - 20, 15.00/24
   Subnet 2 - 256 IPS - 20.15. 1.0/24
   Subnet 3 - 256 IPS - 20:15:2:0/24
   subnet-4-2561Ps-20,15,30/24
fgz: UPC2 - 20.15.00/21
    Subnet 1 - 512 IPS - 20:15.0.0 23
        2 - 11 - 20.15.2.0 | 23
4 - 11 - 20.15.4.0 | 23
                     -20.15.6.0 23
      NPC3-20.15.0.0/20
        Subnet1 - 1024 1P3 - 20.15.0.0 |22
        Subnet 2 - 10241PS - 20,15.4,0/22
        Subnet 3-10241PS - 20115, 8,0/22
        Subnet 9 - 10241PS -20.15.12.0/22
```

egy: NPC4 - 20.15.0.0/19

Subnet 1 - 2048 IPS - 20,15,0,0 /21

Subnet 2 - 2048 IPS - 20,15, 8,25/21

Subnet 3 - 2048 IPS - 20,15,16,0/21

Subnet 4 - 2048 IPS - 20,15,24,0/21

EGS: UPC.5 - 20.15.0.0 | 18

Subnet 1 - 4096 1PS - 20.15.0.0 | 20

Subnet 2 - 4096 1PS - 20.15.16.0 | 20

Subnet 3 - 4096 1PS - 20.15.32.0 | 20

Subnet 4 - 4096 1PS - 20.15.69.10 | 20

Subnet 4- 81921PS -20:15:0:0/19

Subnet 2-81921PS-20:15.32:0/19

Subnet 3-81921PS -20:15.64:0/19

Subnet 4-81921PS -20:15:96:0/19

EG7: NPC7-20.15.0.0/16

Subnet 2- 16384 IPS - 20.15.0.0/18

Subnet 2- 16384 IPS - 20.15.0.64/18

Subnet 3- 16384 IPS - 20.15.0.128/18

Subnet 4- 16384 IPS - 20.15.0.192/18

```
198 - 20:15.0.0/18.
       Subnet1-4096 IPS- 20.15.0.0/20
        Subnet 2 - 2048 IPS - 20.15.16.0 /21
        Subnet-3-10241PS - 20.15.24.0/22
        Subnet -4-2048/ps _ 20115.28.0/21
        Subnet -5 -10241PS -20.15.36.0/22
         Subnet = 6 - 2048 IPS - 20.15. 40.0 |21
          Subnet-7 - 40961PS 20.15.
ch 9: NPC-9-20.15.0.0/16-
       Subnet 1-4096 (P) - 20.15.0.0/20
      Subnet 2-163841PS-20.15.16.0/18
      Subnet 3- 40961PS-20.15.80.0/20
      Subnet 4 - 2048 IPS - 20.15.96.0 /21
       Subnet 5 - 10241PS - 20.15.104.0/22
       Subnet 6 - 81921PS-20.15.108.0/19
       Subret 7 - 4096 IPS - 20.15.140.0 /20
EG-10: VPC10 - 20:15.0.0 /17
       Subnet 1 - 2048 IPS - 20:15:0:0 /21
       Subnet 2 - 81921PS -20.15.8.0/19
       Subnet 3 - 20 48 1PS - 20,15,40,0 /21
       Subnet 4 - 10241PS - 20.15.48.0/22
       Subnets - 512 1PS-20.15.52.0/23
       Subnet 6 - 40961PS-20.15.54.0/20
        Subnet 7 - 5121PS-20.15.70.0/23
        Subnata - 20481PS-20,15,72,0/21
```

EG.11 - UP(11 - 20.1500) 18 Subneti-20481PS-20,15,000/21 Subnet 2-40961P3-20:15.8.0/20 Subret 3 - 5/2 18 - 20, 15, 24, 0/21 Subnet 9 - 10241PS-20,15,36,0/22 Subnet 5-512/PS-2015. 10/23 Subnet 6 - 40961PS-20,15.320 /20 Subnet 7 - 10241PS-20,15.480 22 Subnet 8 - 2048 1PS - 20,15,52.0 21 EG. 12: NPC12 -10.0.0.0/16 Subnet 2 - 400161PS - 10.0.0.0 20 Subnet 2 - 400161PS - 10.0.16.0 21 Subnet 3 - 819 2 PPS \_ 10.0, 200/19 Subnet 4 - 40961PS - 10.0.52.0/20 Subret 5 - 20481P3 - 10:0.68:0 21

Subnet 6 - 4096113 - 10.0.76.0/20

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house a Centralized Computing infootstructure, typicarry
house a Storage, and networking equipment.

-> In this world of apps, big down and digital everlything you and Stey on top of your industry without cutting edge can't Stey on top of your industry without cutting edge computing in Daysouchore.