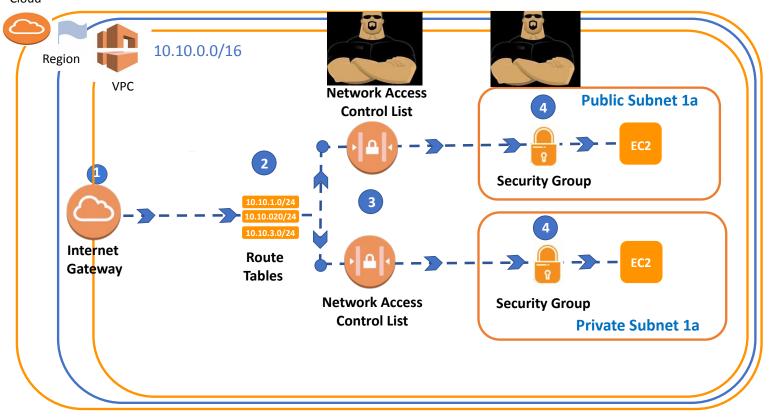
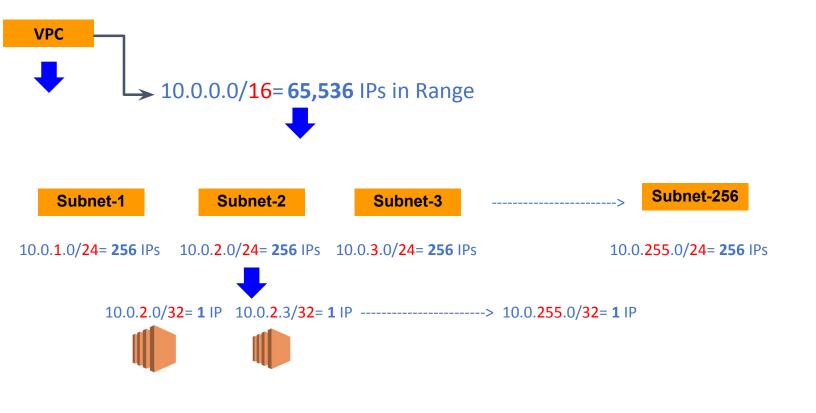


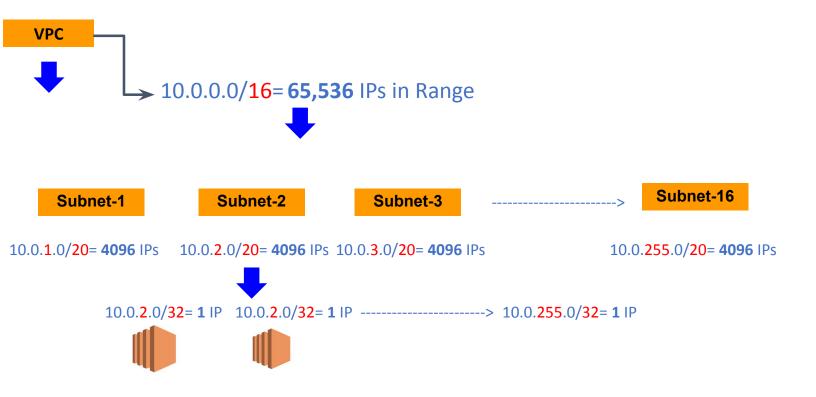
Cloud

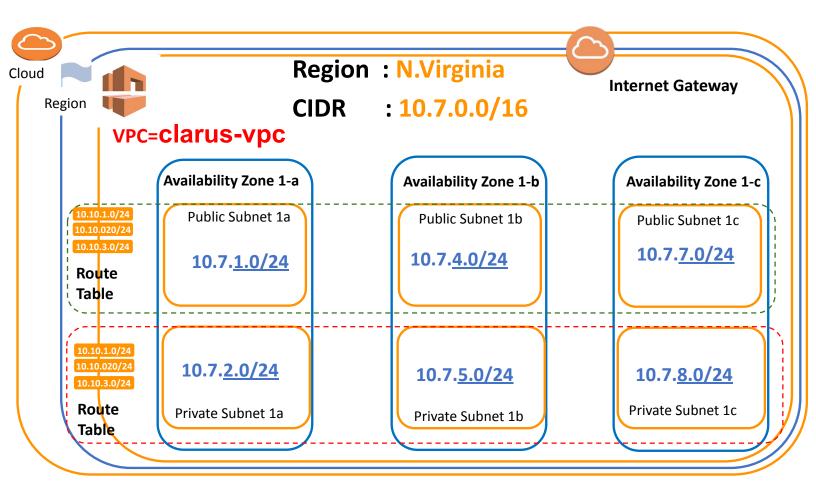


# 65,536/256= 256 SUBNETS

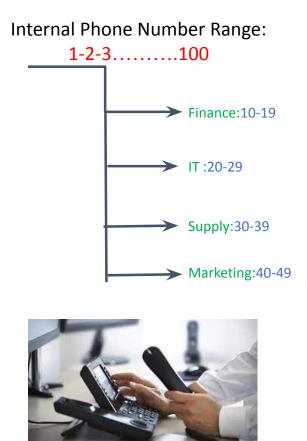


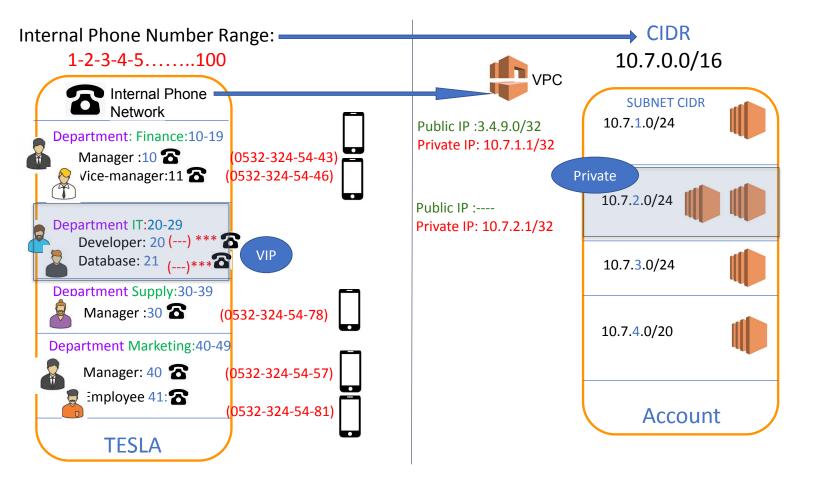
# 65,536/4096= 16 SUBNETS





## Internal Phone Number Range: 1-2-3......100 Internal Phone Network Department: Finance:10-19 Manager :10 3 0532-324-54-431 Vice-manager:11 (D532-324-54-46) Department IT:20-29 Developer: 20 (---) \*\*\* VIP Database: 21 (---)\*\*\* Department Supply:30-39 Manager :30 (0532-324-54-78) **Department Marketing:40-49** Manager: 40 (D532-324-54-5 mployee 41: (<mark>0532-324-54-81</mark> **TESLE**

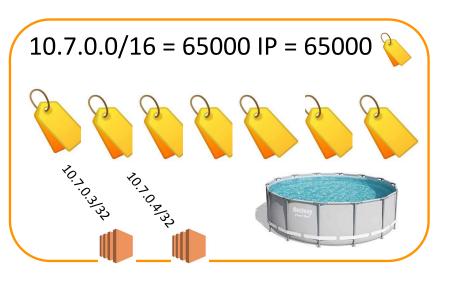




VPC CIDR Bock

Labeling

## **Internal Communication**





# How is it possible to use the same CIDR block for all of us?

SSN:01-A-2345-4563



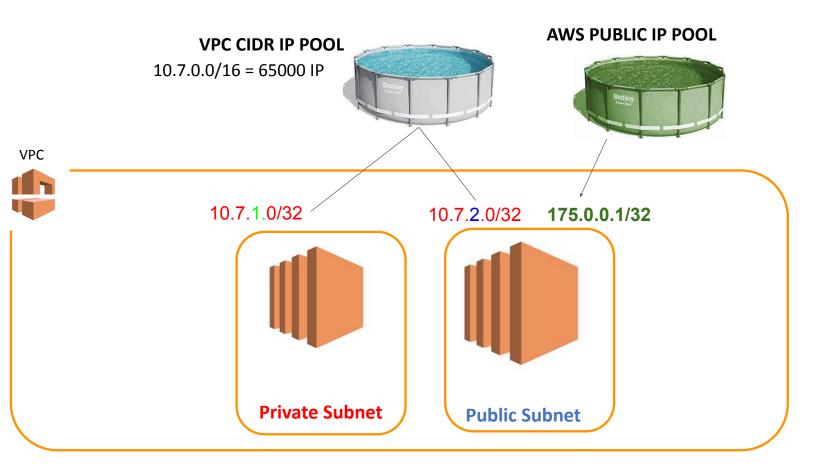
SSN:02-C-98756H64

## VPC 1=House 1



### VPC 2=House 2





Create VPC

. Name tag: Clarus-vpc-a

. IPv4 CIDR block: 10.7.0.0/16

Create IGW

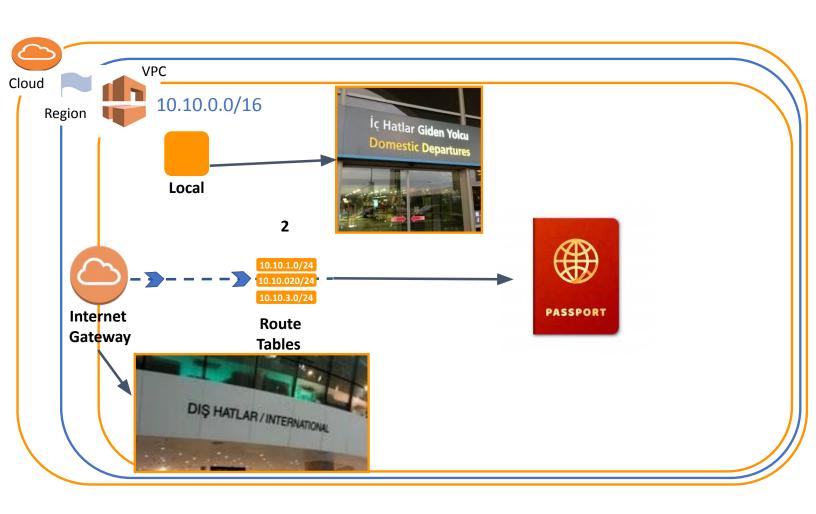
IGW Action Menu:
Attach IGW to VPC

Set the VPC Route Table:
00000:/0 > IGW

VPC Action Menu:

Name Default Route Table: default-labvpc

**Edit DNS Hostname** 



Name tag: clarus-vpc-a

IPv4 CIDR block: 10.7.0.0/16

# us-east-1a us-east-1b

- public
- clarus-az1a-public-subnet
- us-east-1a

10.7.1.0/24

- private
- clarus-az1a-private-subnet
- us-east-1a

10.7.2.0/24

Spare...

us-east-1a 10.7.3.0/24

- public
- clarus-az1b-public-subnet
- us-east-1b

10.7.4.0/24

- private
- clarus-az1b-private-subnet
- us-east-1b

10.7.5.0/24

Spare...

us-east-1b 10.7.6.0/24

### us-east-1c

- public
- clarus-az1c-public-subnet
- us-east-1c

10.7.7.0/24

- private
- clarus-az1c-private-subnet
- us-east-1c

10.7.8.0/24

Spare...

us-east-1c 10.7.9.0/24 1- All Subnets are associated with Default Route Table Implicitly

PUBLIC

PUBLIC

PUBLIC

2- By default all subnets are
PUBLIC !!!!!! a.Local
b.0000/0 >>>>IGW

Conclusion

Current= 6 Public
Desired= 3 Public 3 Private

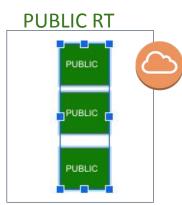
Option-1

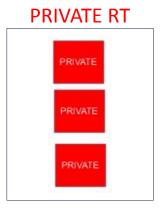
Option-2

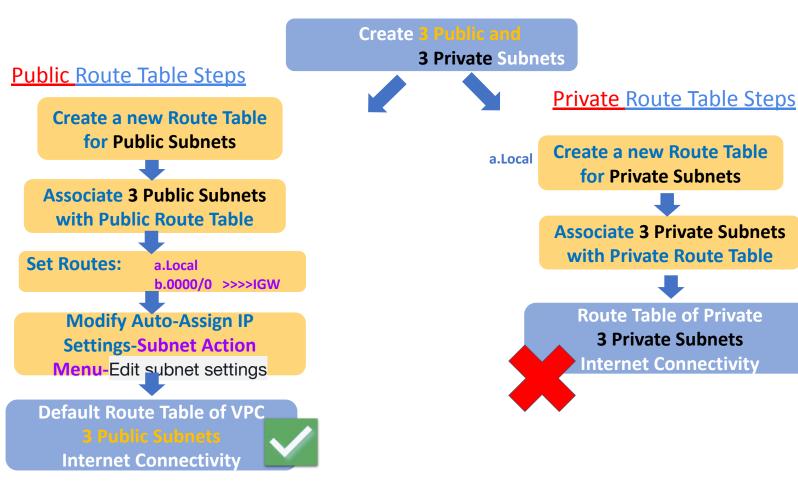
PRIVATE RT

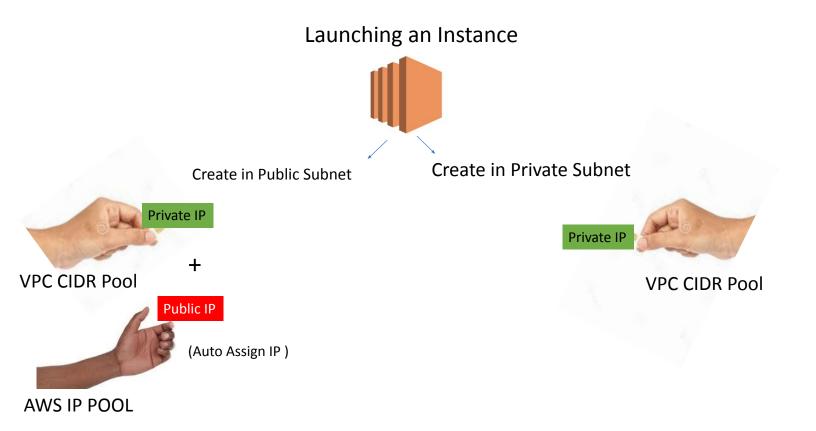
DEFAULT RT













**Route Tables** 





Private Subnets
Internet Connectivity

**Public Subnets Internet Connectivity** 

