AWS

VPC (Virtual Private Cloud)

in

Private subnet

Public subnet

VPC: Virtual private cloud used for create private cloud inside a aws account.

Types of VPC are 4

Management : create bastion host , Jenkins, nginx

Demo VPC : Demo related applications

Dev VPC: Dev related applications

Test VPC : test related applications

Internet gateway: used for getting traffic inside VPC, it will allow traffic only to public subnet

Nat Gateway : used for getting internet inside private subnet

Subnet: create the blocks inside VPC

Types of subnets: public and private

Public subnet: used deploying front end applications

Private subnet: used for deploying backend data base related applications

Route table: used for getting inbound/outbound traffic inside subnets both

NACL: subnet level traffic allocation with rules . rule 1 is having more priority then rule 10

Security group : traffic allocation for a service like EC2 (elastic cloud compute ), RDS(relation DB) etc..,

**Workflows** :

VPC -> internet gateway -> subnet->route table[associate with internet and subnet] -> Nat gateway -> private subnet -> route table [associate with Nat gateway] .