AWS LAB

Create my Virtual Private Cloud (VPC) to produce customized network.

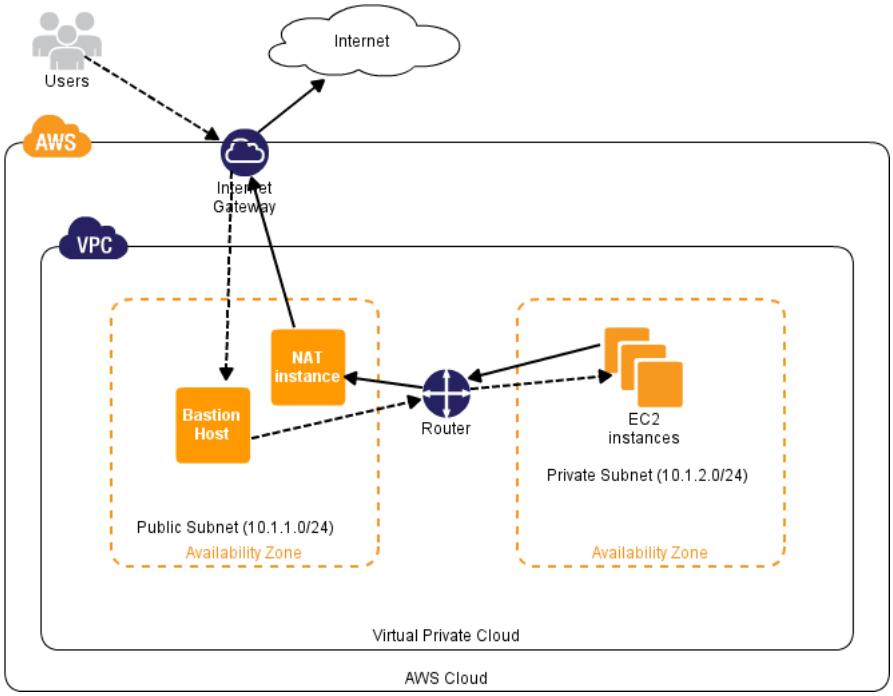
VPC will contain a Public Subnet and a Private Subnet, each subnet with 1 EC2 instance

Purpose: pink to google.com from the EC2 located in the Private Subnet

For this, a NAT instance configured in the public subnet is needed.

Private subnet traffic should be routed through the NAT instance for Internet access.

The IGW allows communication between instances in my VPC and Internet

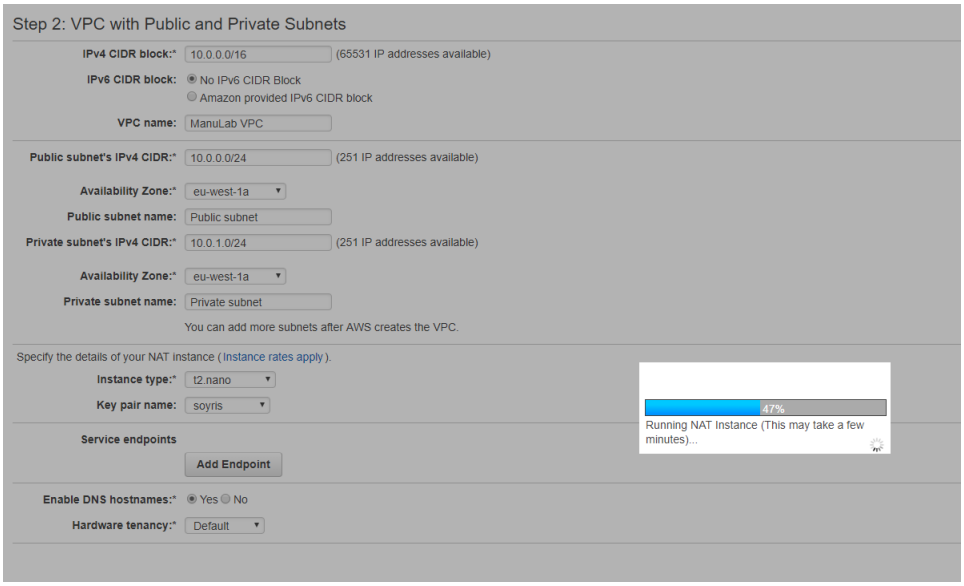


Same figure with only one Availabilty zone

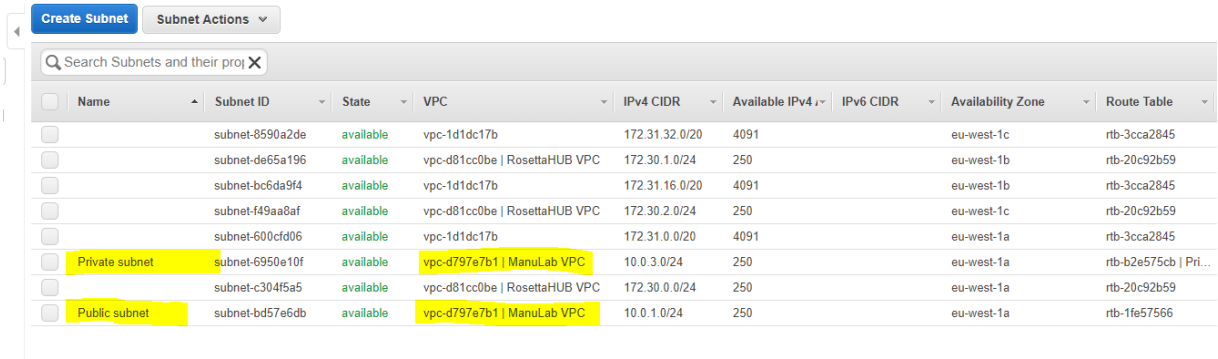
AWS Console

- VPC -> Start VPC Wizard

  Select VPC Configuration: VPC with Public and Private Subnets, in the same ZA

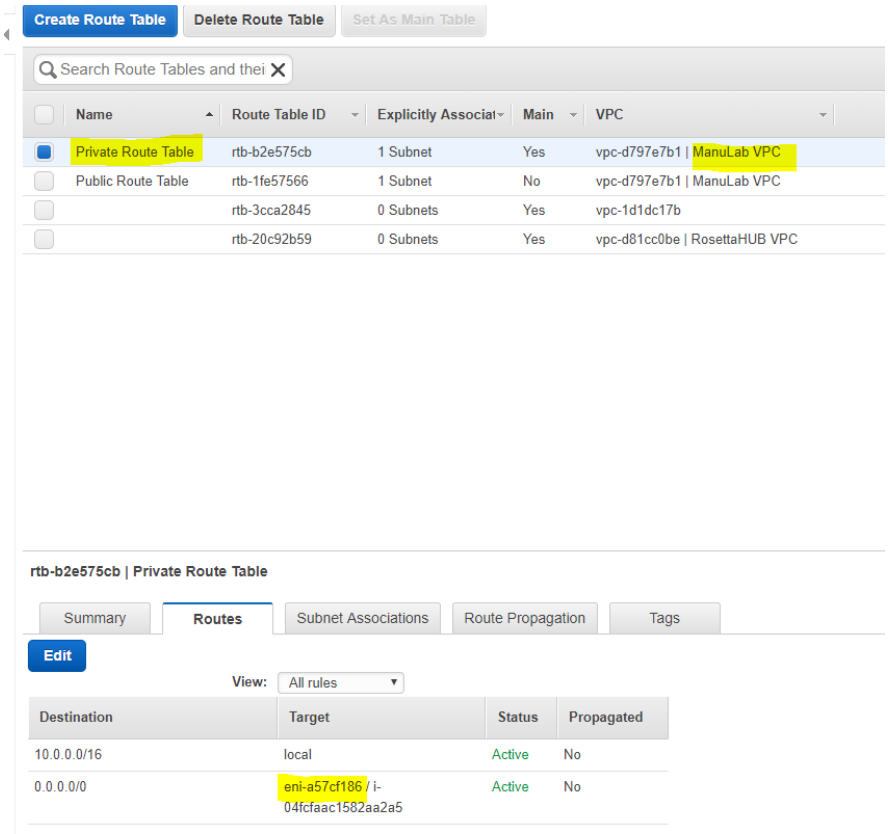


At this step, we have Manu_VPC Lab created with the 2 Subnets: one Public, one Private

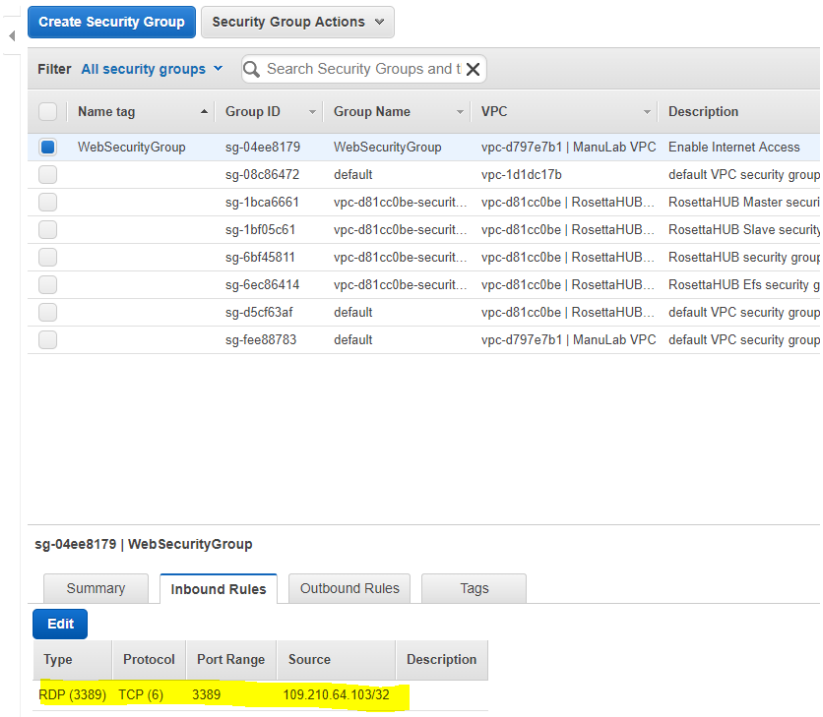


Name	Subnet ID	State	VPC	IPv4 CIDR	Available IPv4	IPv6 CIDR	Availability Zone	Route Table
	subnet-8590a2de	available	vpc-1d1dc17b	172.31.32.0/20	4091		eu-west-1c	rtb-3cca2845
	subnet-de65a196	available	vpc-d81cc0be | RosettaHUB VPC	172.30.1.0/24	250		eu-west-1b	rtb-20c92b59
	subnet-bc6da9f4	available	vpc-1d1dc17b	172.31.16.0/20	4091		eu-west-1b	rtb-3cca2845
	subnet-f49aa8af	available	vpc-d81cc0be | RosettaHUB VPC	172.30.2.0/24	250		eu-west-1c	rtb-20c92b59
	subnet-600cfd06	available	vpc-1d1dc17b	172.31.0.0/20	4091		eu-west-1a	rtb-3cca2845
Private subnet	subnet-6950e10f	available	vpc-d797e7b1 | ManuLab VPC	10.0.3.0/24	250		eu-west-1a	rtb-b2e575cb | Pri...
	subnet-c304f5a5	available	vpc-d81cc0be | RosettaHUB VPC	172.30.0.0/24	250		eu-west-1a	rtb-20c92b59
Public subnet	subnet-bd57e6db	available	vpc-d797e7b1 | ManuLab VPC	10.0.1.0/24	250		eu-west-1a	rtb-1fe57566

- Route Table configuration



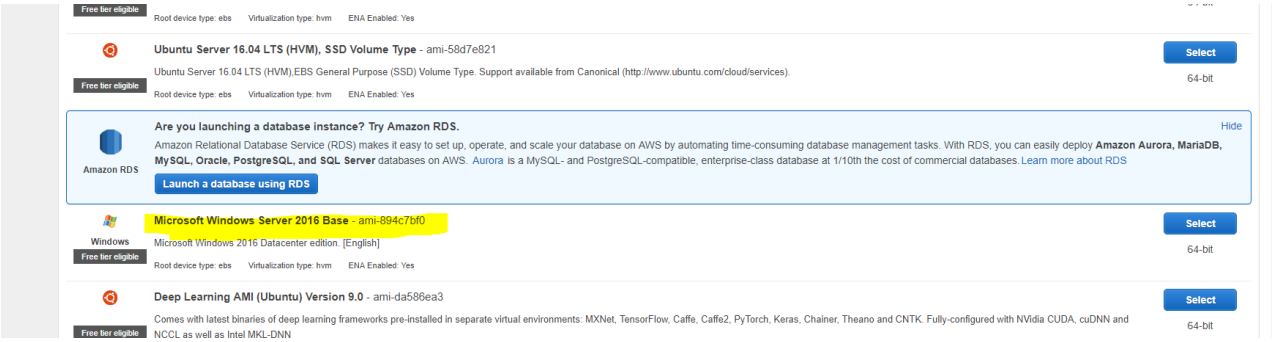
- Create my VPC secutity group, and set IP address I am connecting from:



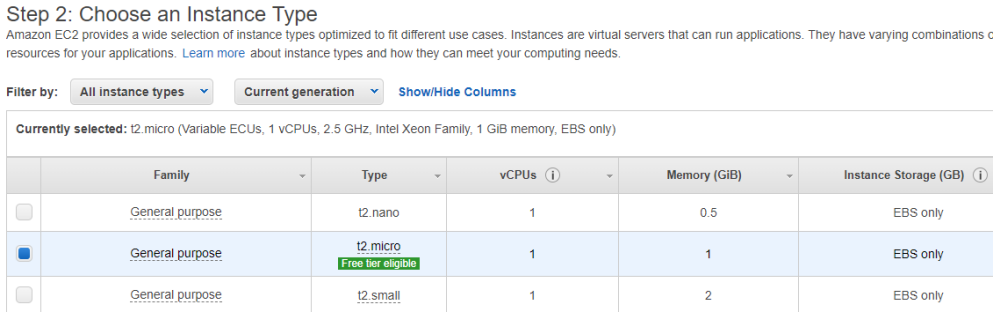
- **<u>Launch Instances</u>**

Service menu -> EC2 -> Launch Instance

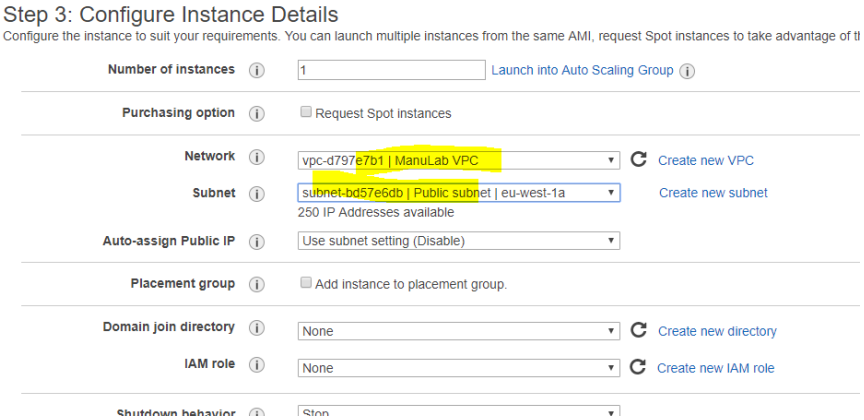
Microsoft Windows Server 2016 Base



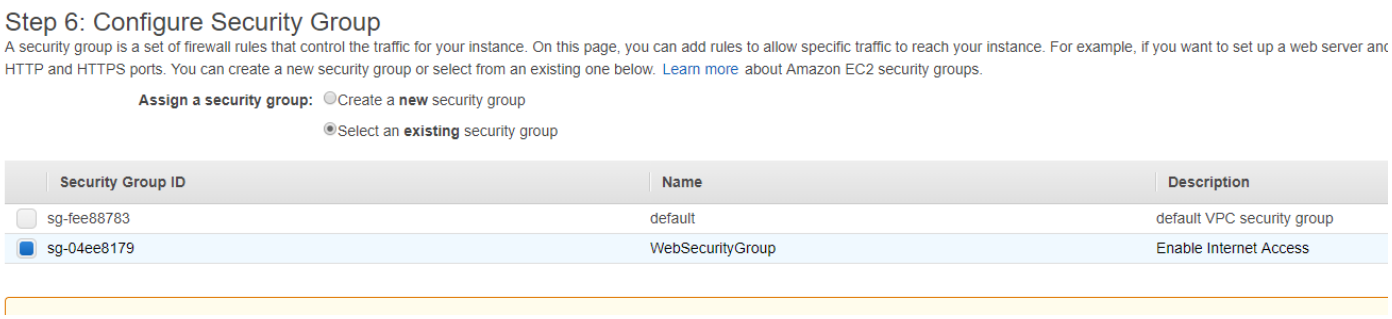
Choose T2.micro type



1st Instance in the Public Subnet

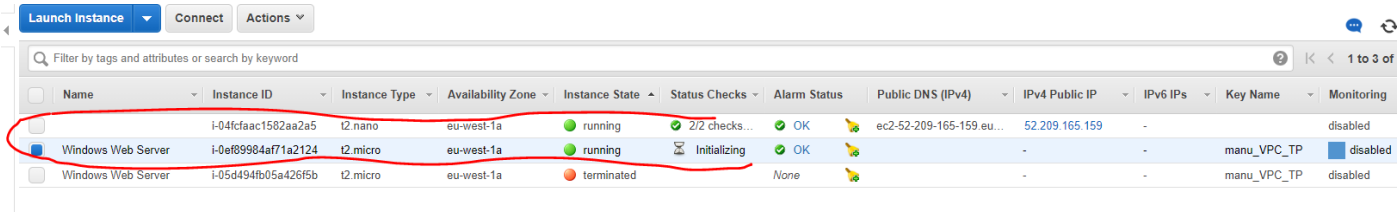


Select existing security group



I have now my 2 instances, inside my public Subnet:

- Windows Web Server , created by nyself (Microsoft Windows Server)
- Nat Instance, created automatically by Wizard VPC



- **<u>Try to connect to the Instance</u>**

I am not able and I do not understand …

I check the route table, security group …, where my IP address from where I am connecting is set …

No idea what' wrong