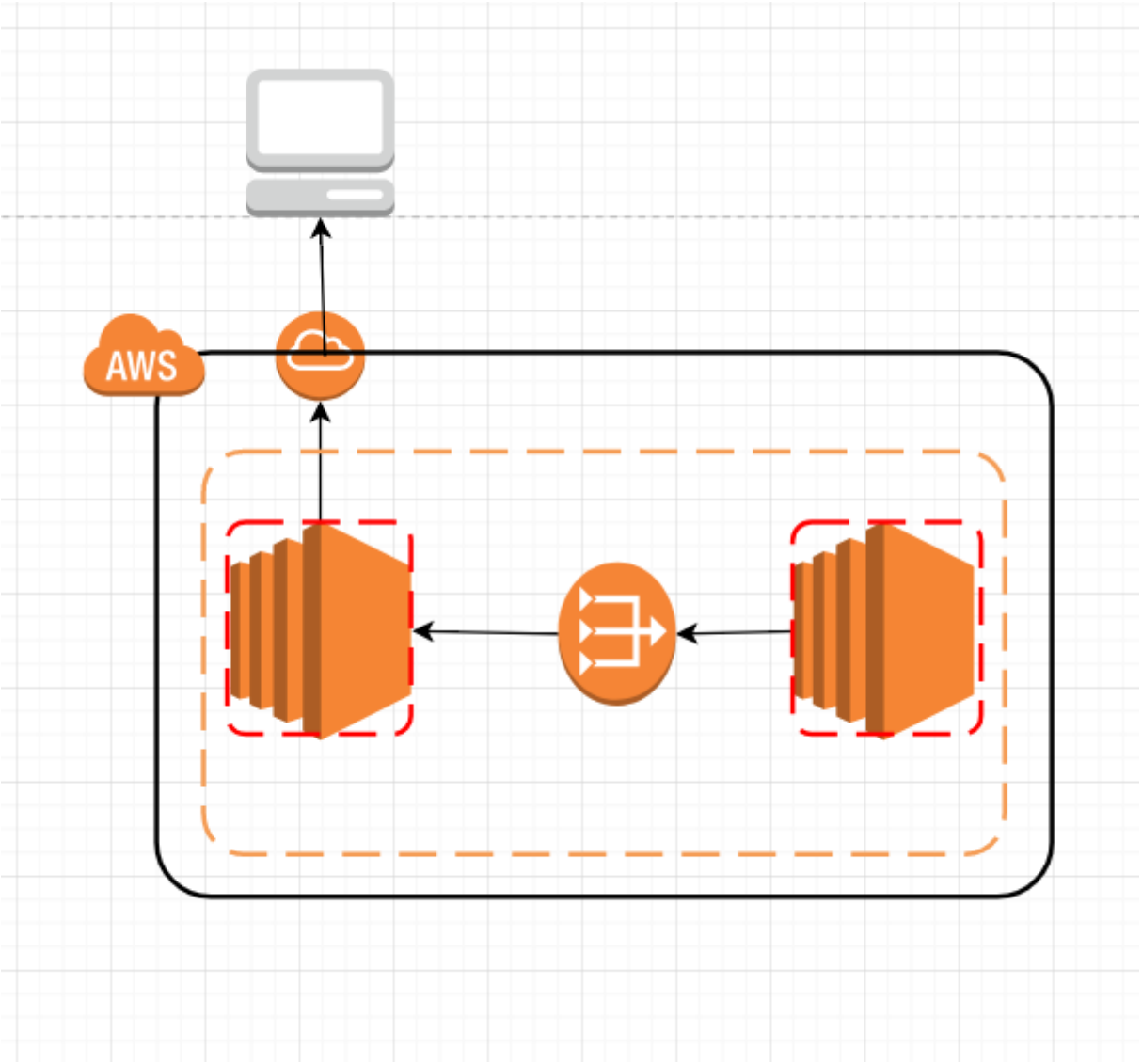
CREATION OF BASTION (PUBLIC EC2)

TO ALLOW A PING WITH A PRIVATE EC2

Diagram of the implementation :



TASK 1 : Create a VPC with a public and a private subnets

1/ In the **AWS Managment Console**, On **services** Menu, Click **VPC**

2/ Click **Start VPC Wizard**

3/In the navigation pane,click **VPC with Public and Private Subnets.**

4/ Click **Select**

5/ Configure following Settings

IPV4 CIDR block : Type : 10.0.0.0/16

VPC name : Type : My Work VPC

Public subnet's IPv4 CIDR : Type 10.0.1.0/24

Availability Zone : click the first availability zone

Public subnet name : Public subnet work

Private subnet's IPv4 CIDR : Type 10.0.3.0/24

Availability Zone : click the first availability zone

Private subnet name : Private subnet work

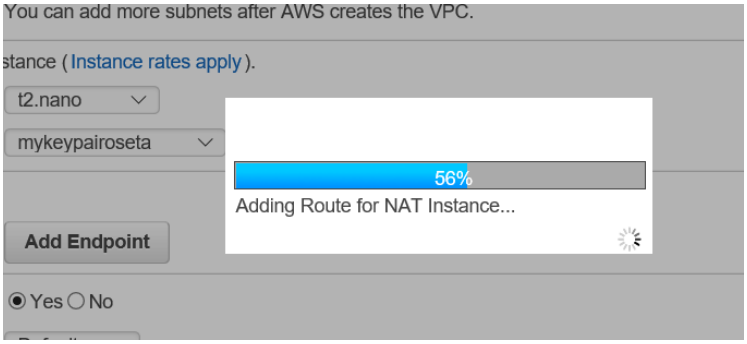
Specify the details of your Nat Gateway :

Go to look on the Elastic IP : (as example 34.247.209.197)

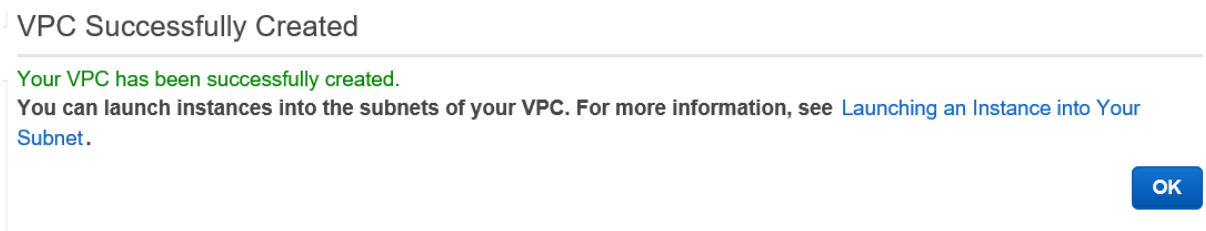
Key pair name : Click the key pair.

6/ Click **Create VPC**

You will need to wait



7/ Click **OK** when the VPC is successfully created like below



TASK 2 : Create Route table for subnets

1/ In the navigation pane, click **Route Tables.**

2/ Select the route table **My Work VPC** and yes under **Main**

3/ double click the **Name** for this route table type : Private route table

4/ In the lower pane click the **routes** and note that EniXXX is selected

5/ Click **Subnet association** and then click **Edit**

6/ Select **Private subnet Work**

7 / click Save

8/ Select the route table **My Work VPC** and no under **Main**

9/ double click the **Name** for this route table type : Public route table

10/ In the lower pane click the **routes** and note that igwxxx is selected

11/ Click **Subnet association** and then click **Edit**

12/ Select **Public subnet Work**

13/ click Save

TASK 3 : Create a VPC security group

1/ In the navigation pane, click **Security group**

2/ Click **Create Security Group**

3/ In the Create Security Group

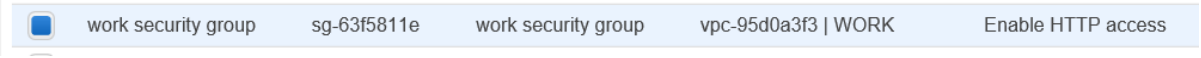
Name Tag : work security group

Group name : work security group

Description : Enable HTTP access

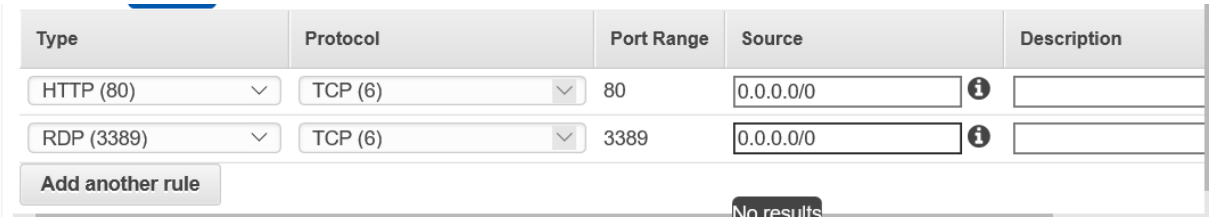
VPC : select WORK

4/ Click on the new work security group



5/ click the **Inbound Rules tab**

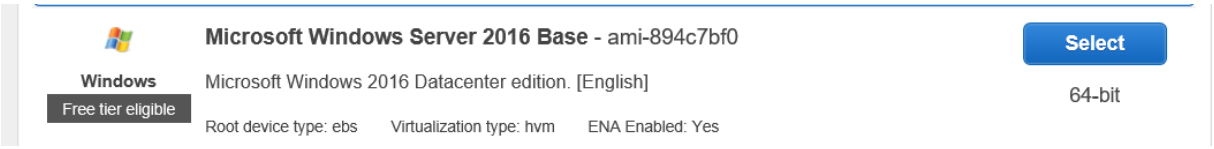
6/ Click **Edit**



TASK 4 LAUNCH THE INSTANCE :

1/ On the Services menu Console, Select EC2 and click **Launch Instance**

And select the Microsoft Server 2016



Select the following line (should be the default)

2/ Click next configure instance details

Network : WORK

Subnet : Public

Auto assign : Enable

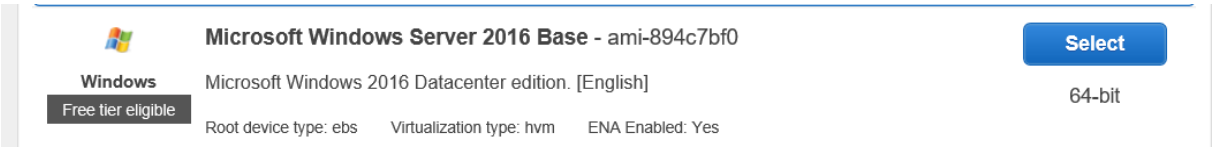
3/ click **Review and Launch**

4/ click **Launch**

5/ Select the Keypair with tick I acknowledge

6/ On the Services menu Console, Select EC2 and click **Launch Instance**

And select the Microsoft Server 2016



Select the following line (should be the default)

7/ Click next configure instance details

Network : WORK

Subnet : Private

Auto assign : Disable

3/ click **Review and Launch**

4/ click **Launch**

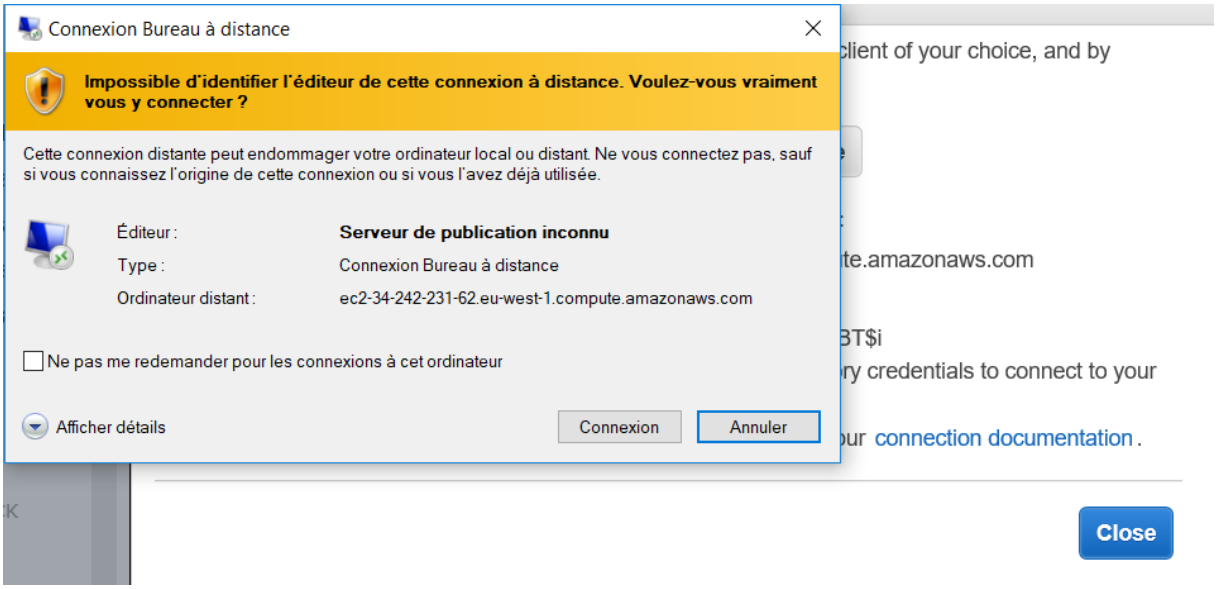
5/ Select the Keypair with tick I acknowledge

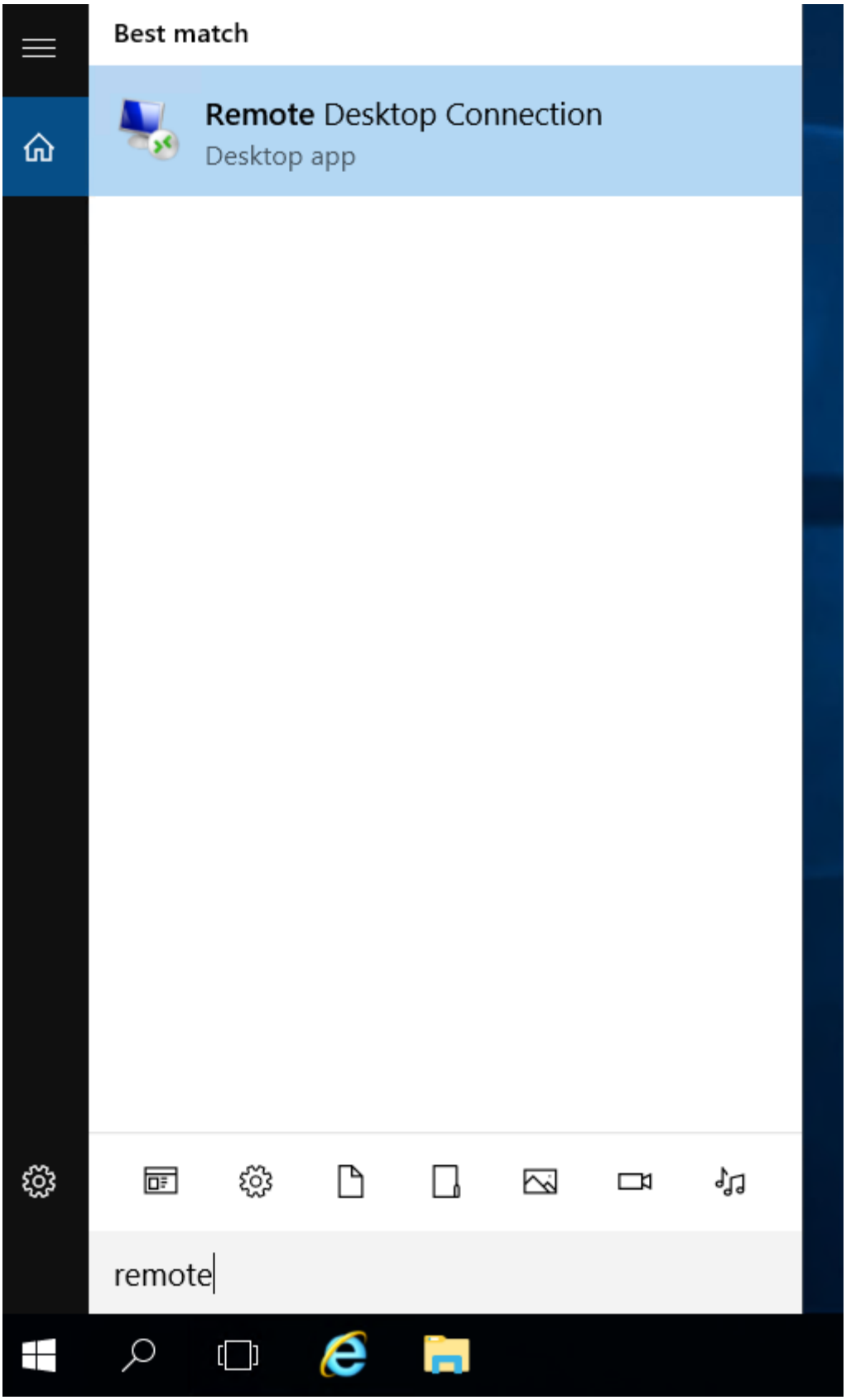
TASK 5 CONNECT TO THE INSTANCE

1/ In The EC2 select the public Instance and Click on **Connect**

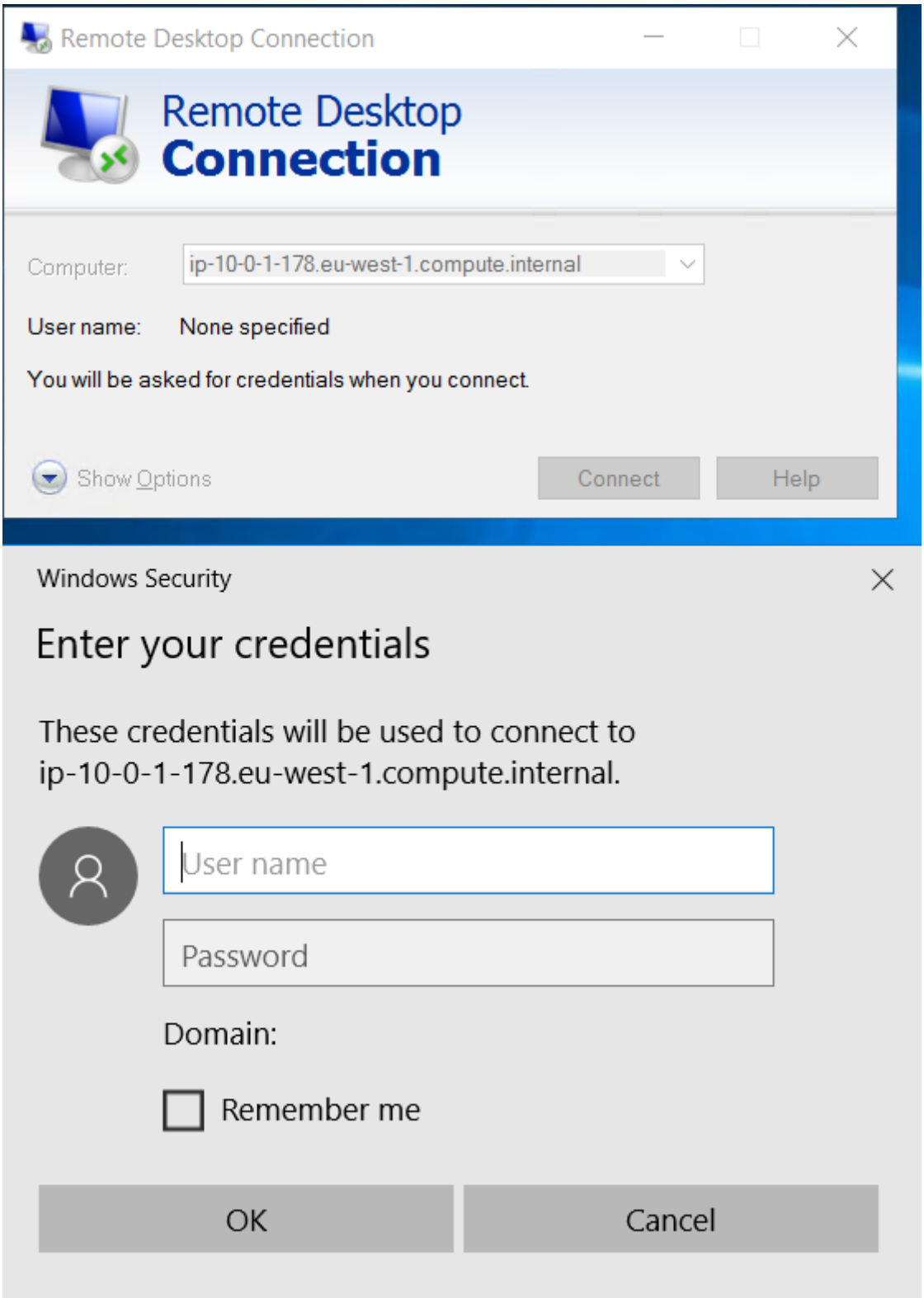
2/ Select the Keyfile and Get the password copy the password.

3/ click on Connection

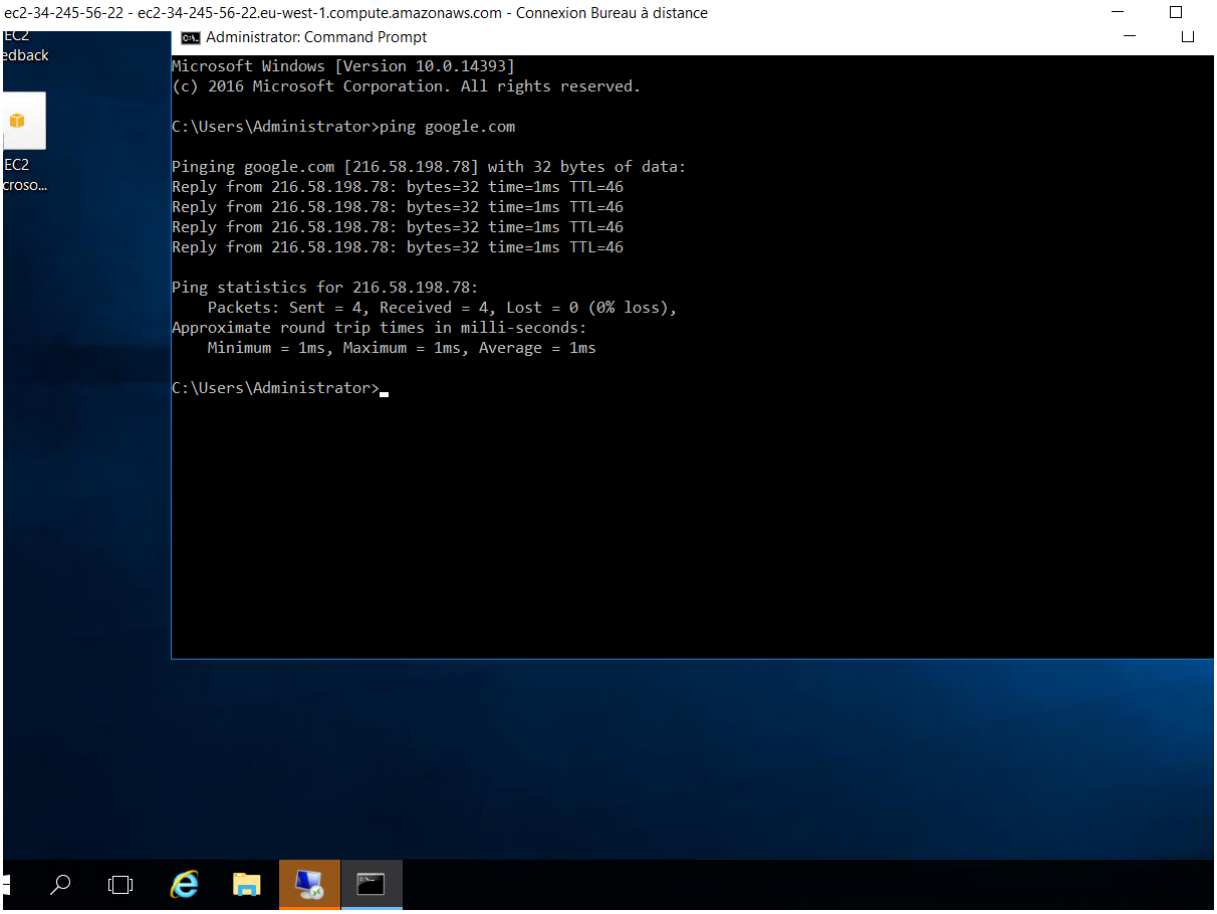



Best match
Remote Desktop Connection
Desktop app
remote

1/ Do the same operation



First Ping in the Public environment in a Cmd.exe



Second Ping in the Private environment in a Cmd.exe