AWS Template – 3 NIC 2 vThunder HA Instances Dev Testing

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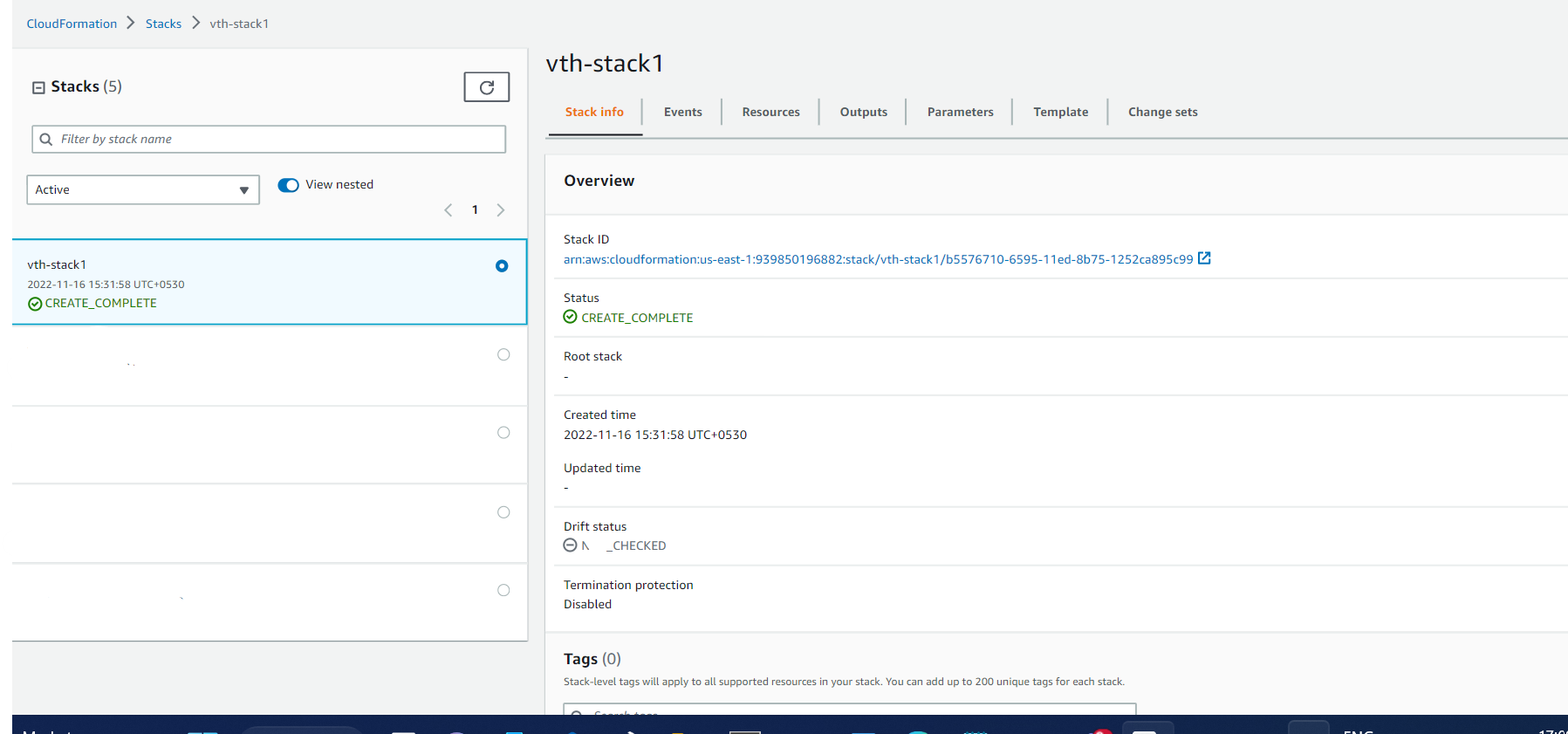
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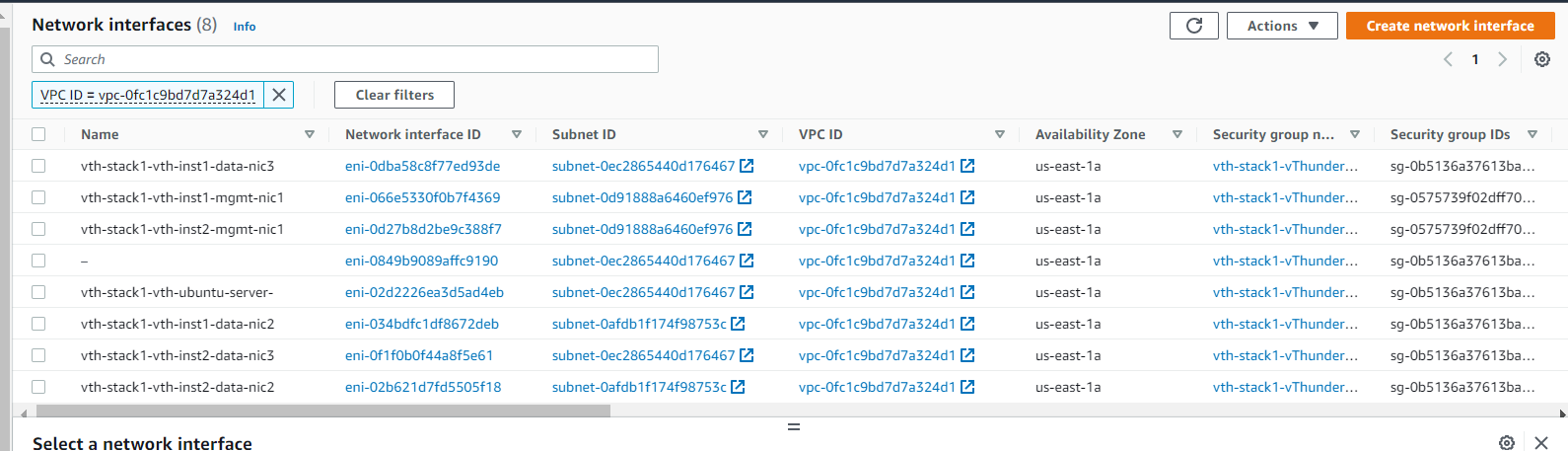
# Resource Creation

## Resource Stack



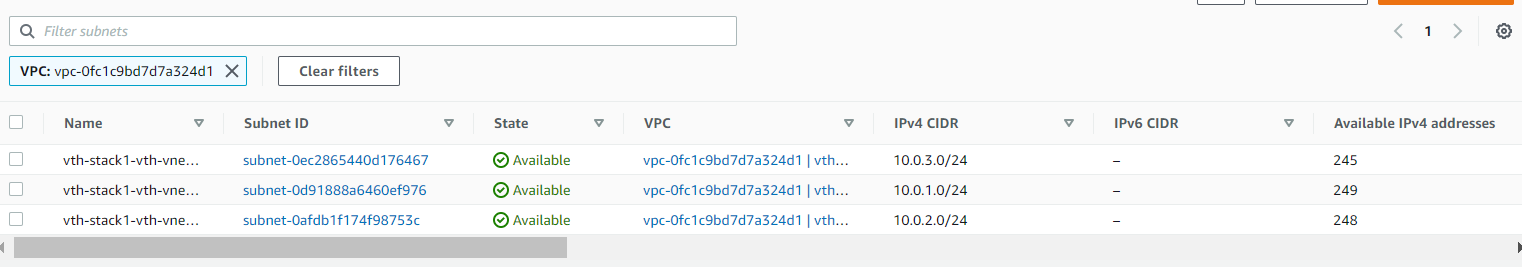
## Interfaces

* Expected Outcome: 7 interfaces (2 management, 4 data interfaces and one server ) should get created, and each interface is from different subnet.
* Actual Outcome: 6 interfaces are created and attached to VMs.



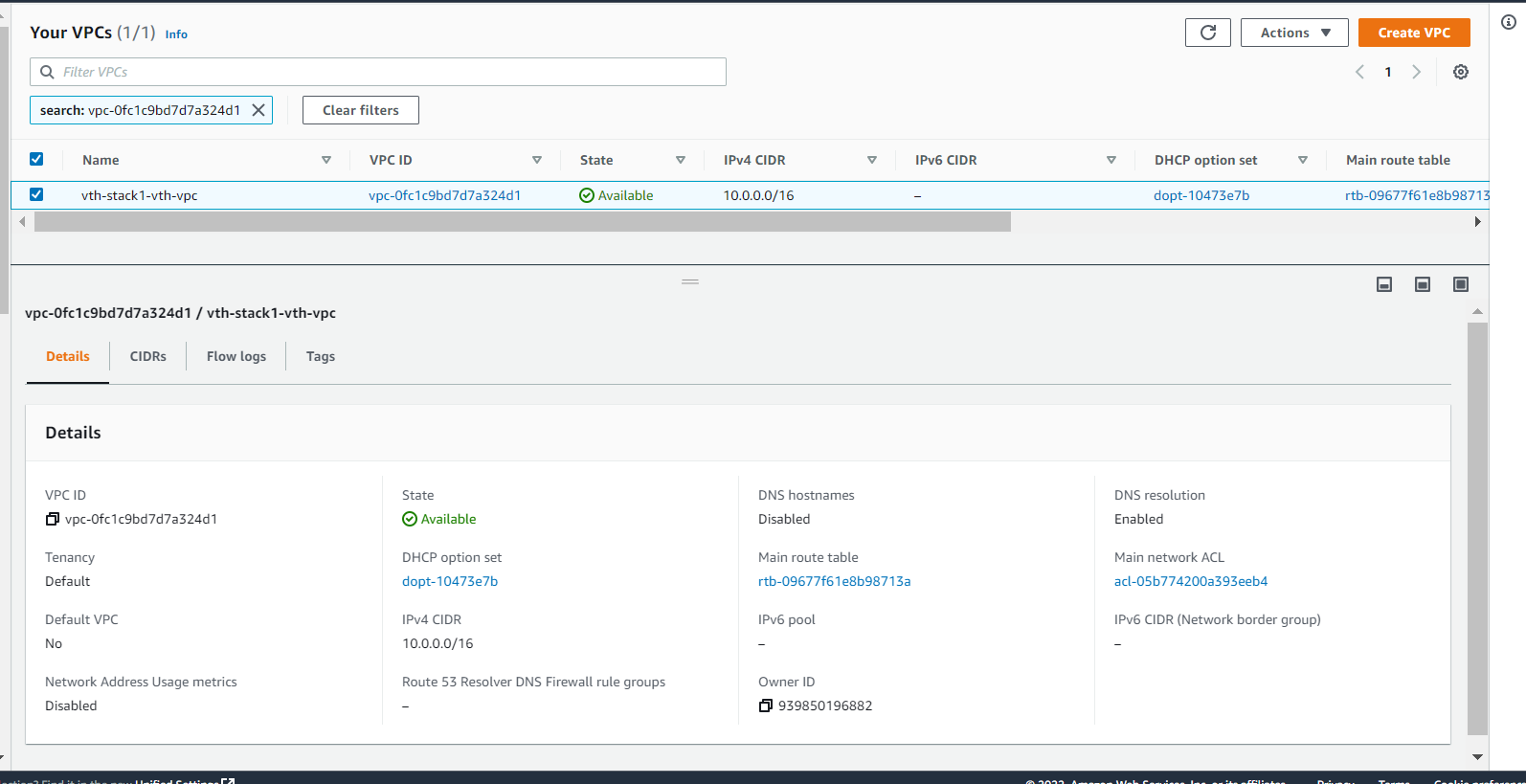
## Subnets

* Expected Outcome: 3 subnets should get created.
* Actual Outcome: 3 subnets are created.



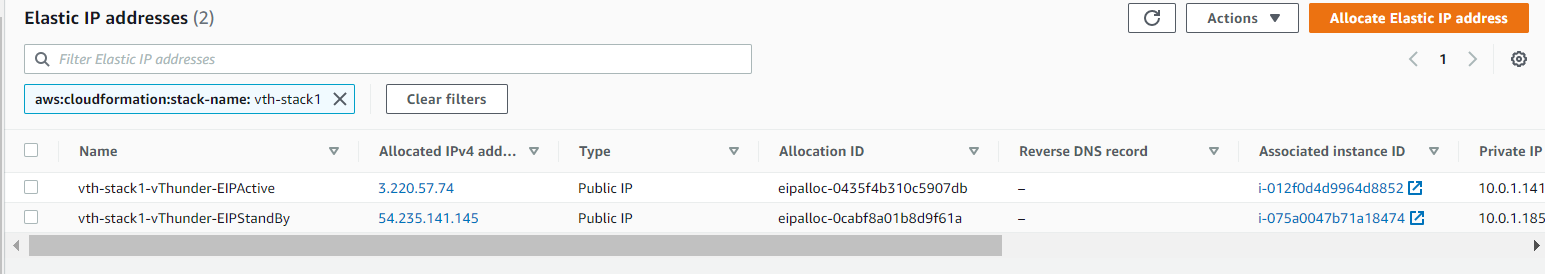
## Virtual Network

* Expected Outcome: 1 virtual network should get created if not exists else present virtual network will be used.
* Actual Outcome: 1 virtual network is created name “vThunder-VPC”.

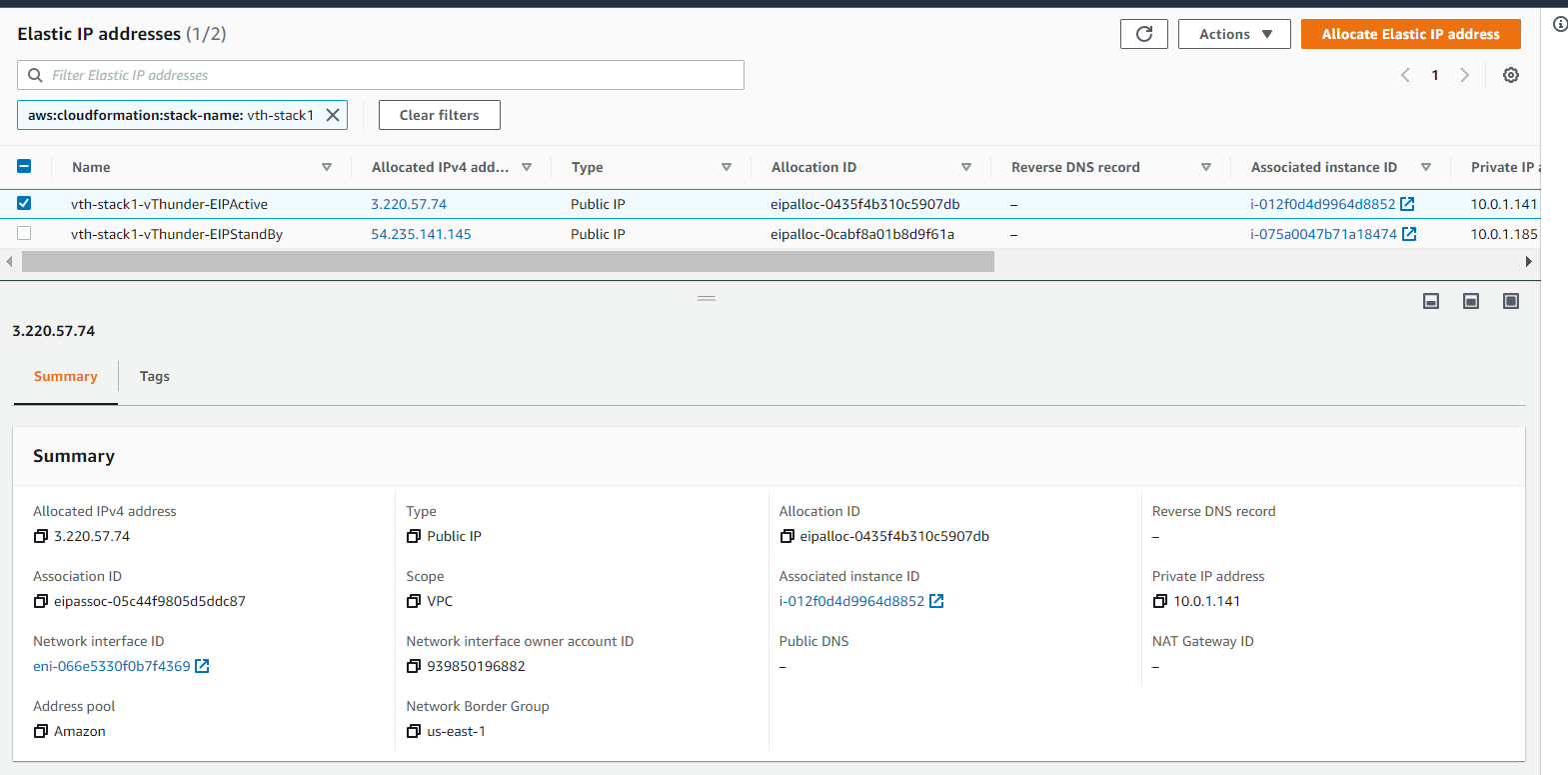


## Public Ips

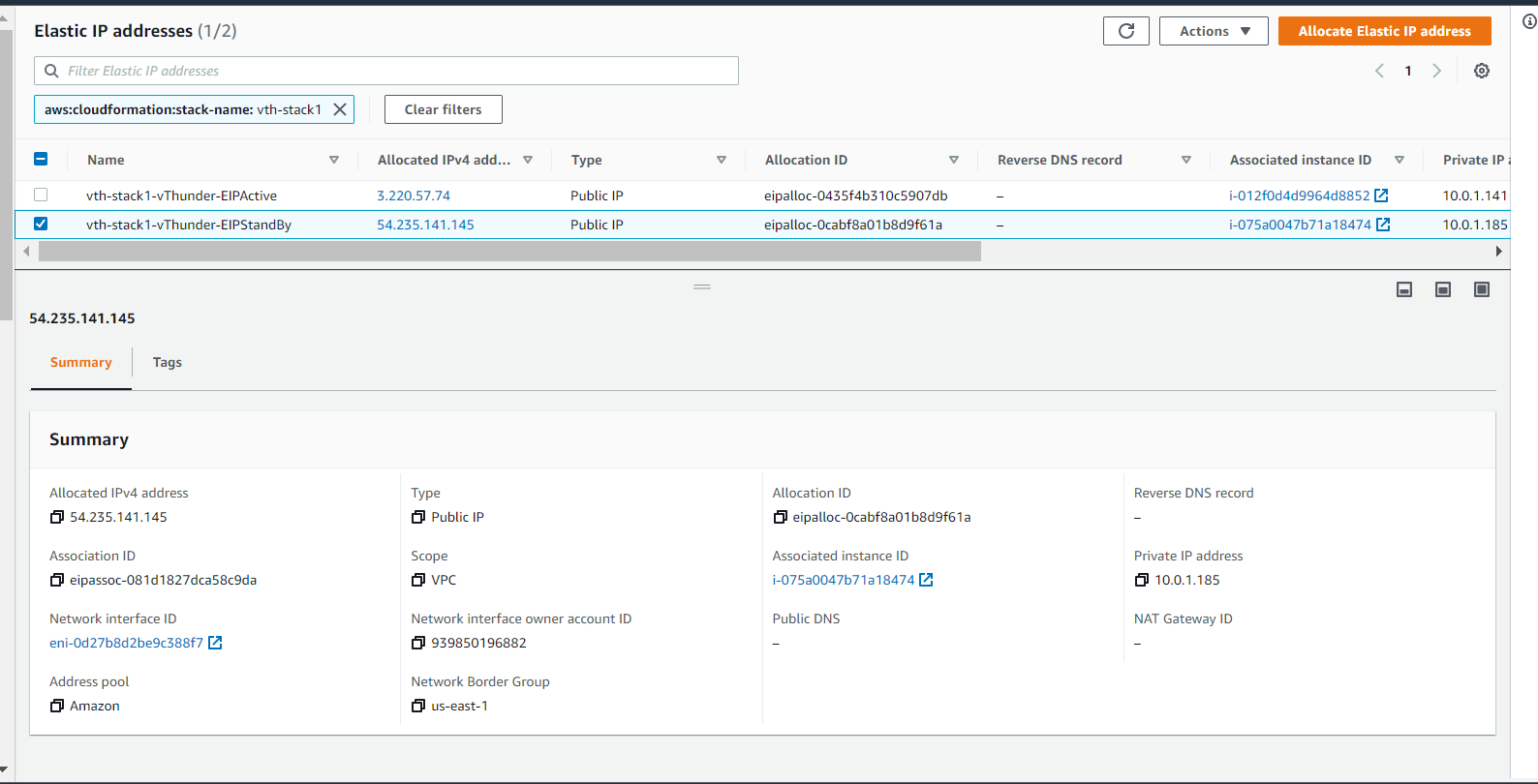
* Expected Outcome: 2 public EIP get created and assigned to generated instances.
* Actual Outcome: 2 public EIP get created and assigned to generated instances



{stack name}-vThunder-EIPActive is assigned to instance 1.

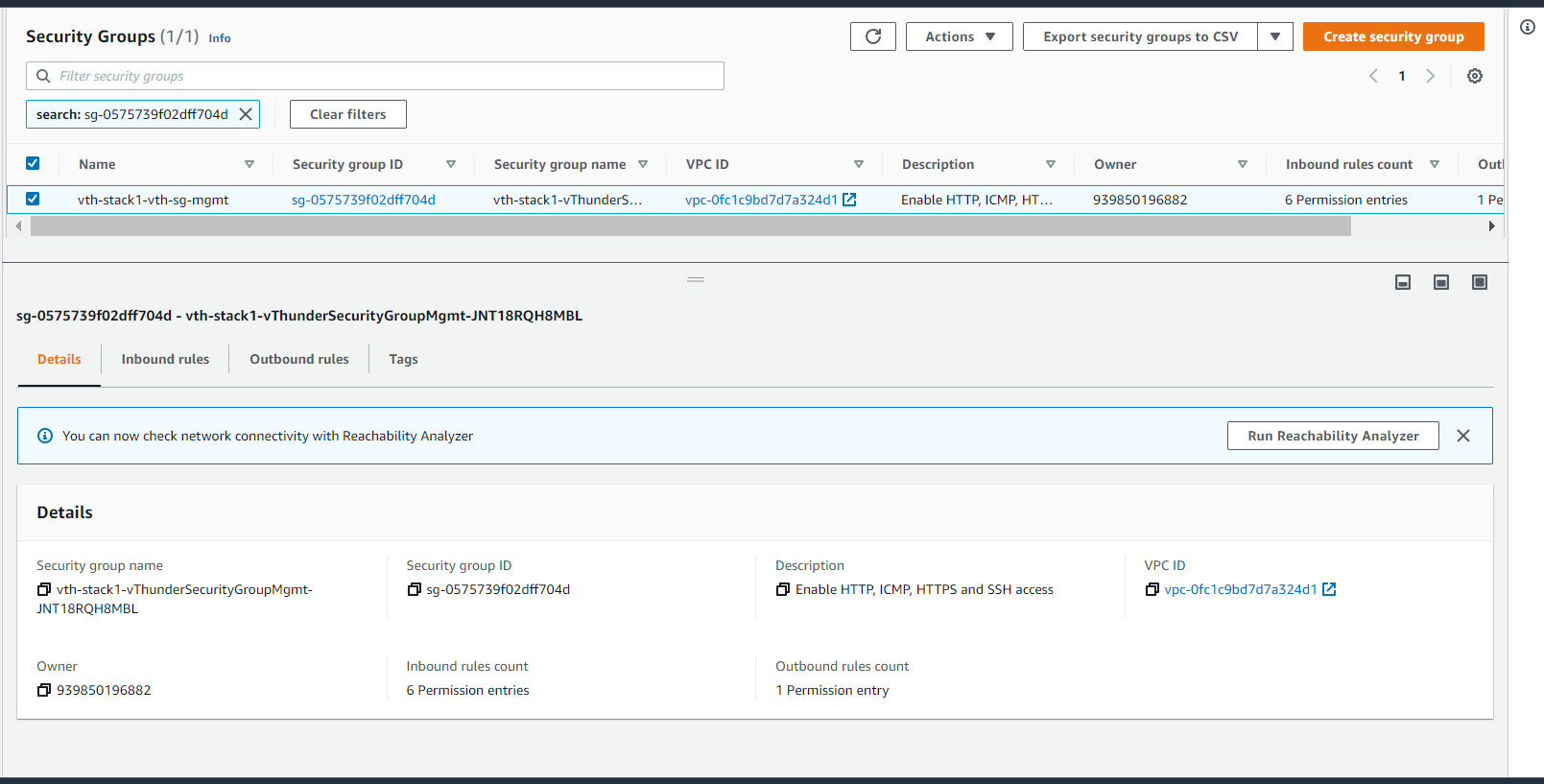


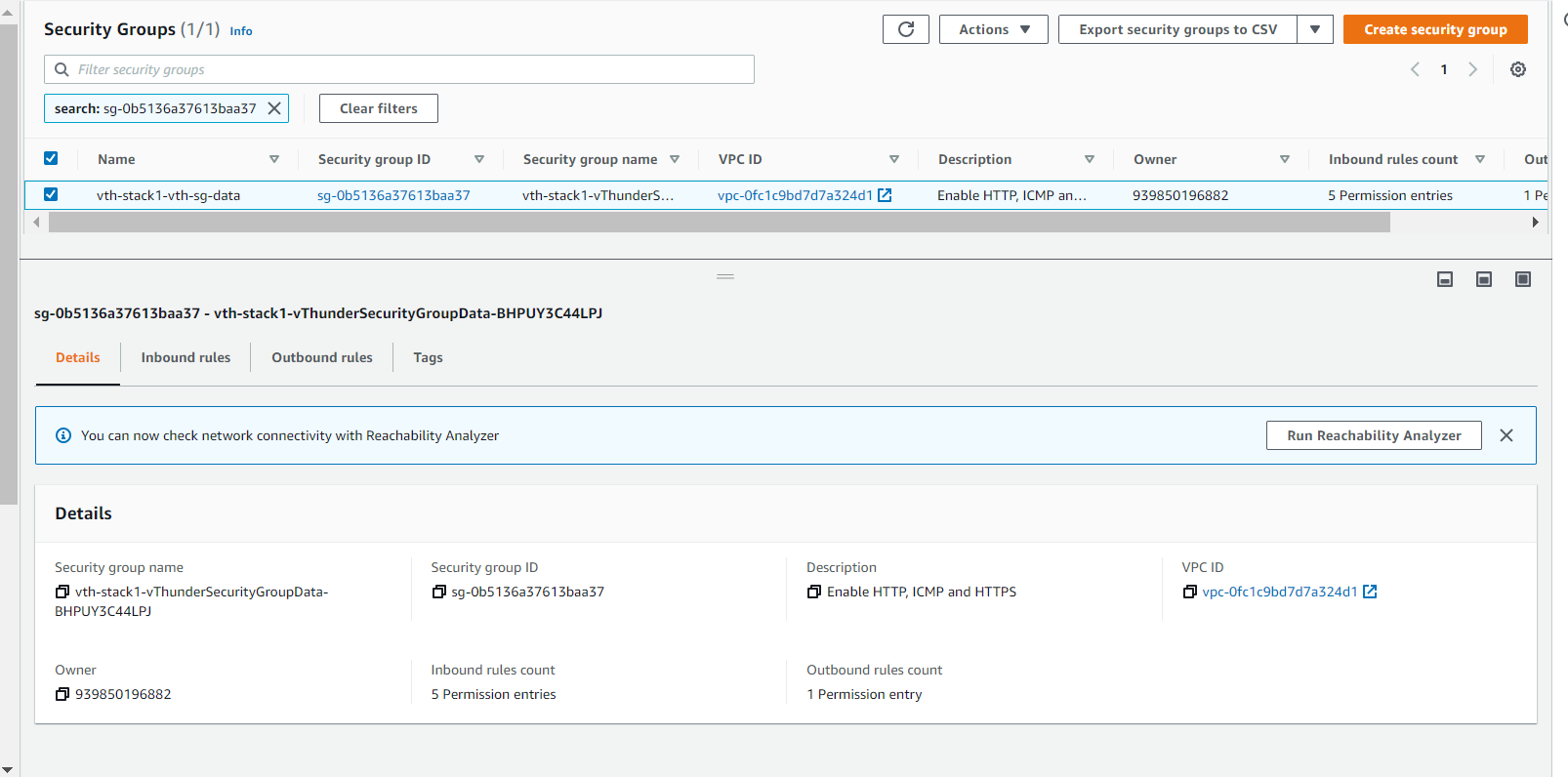
{stack name}-vThunder-EIPStandBy is assigned to instance 2.



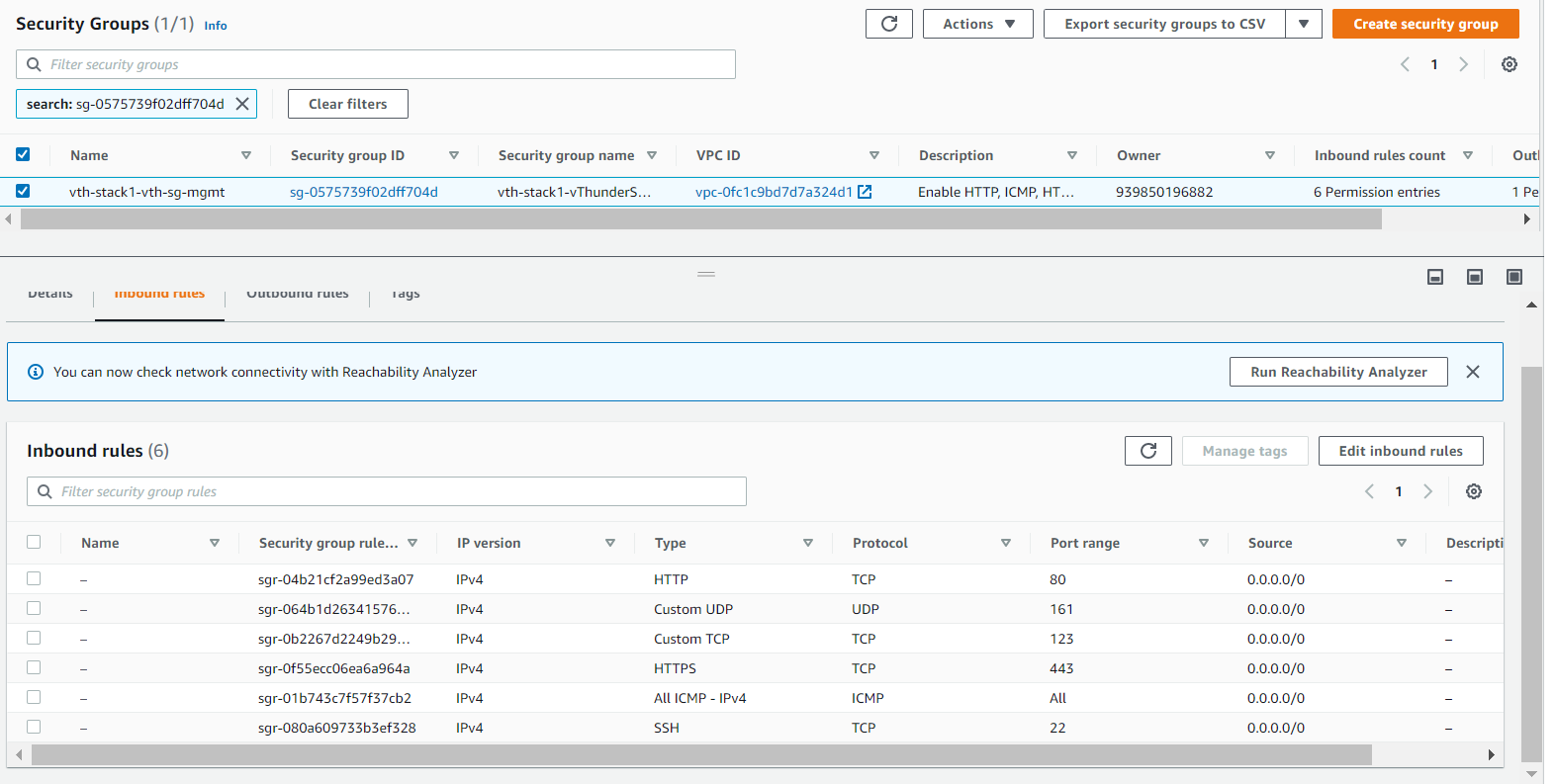
## NSGs

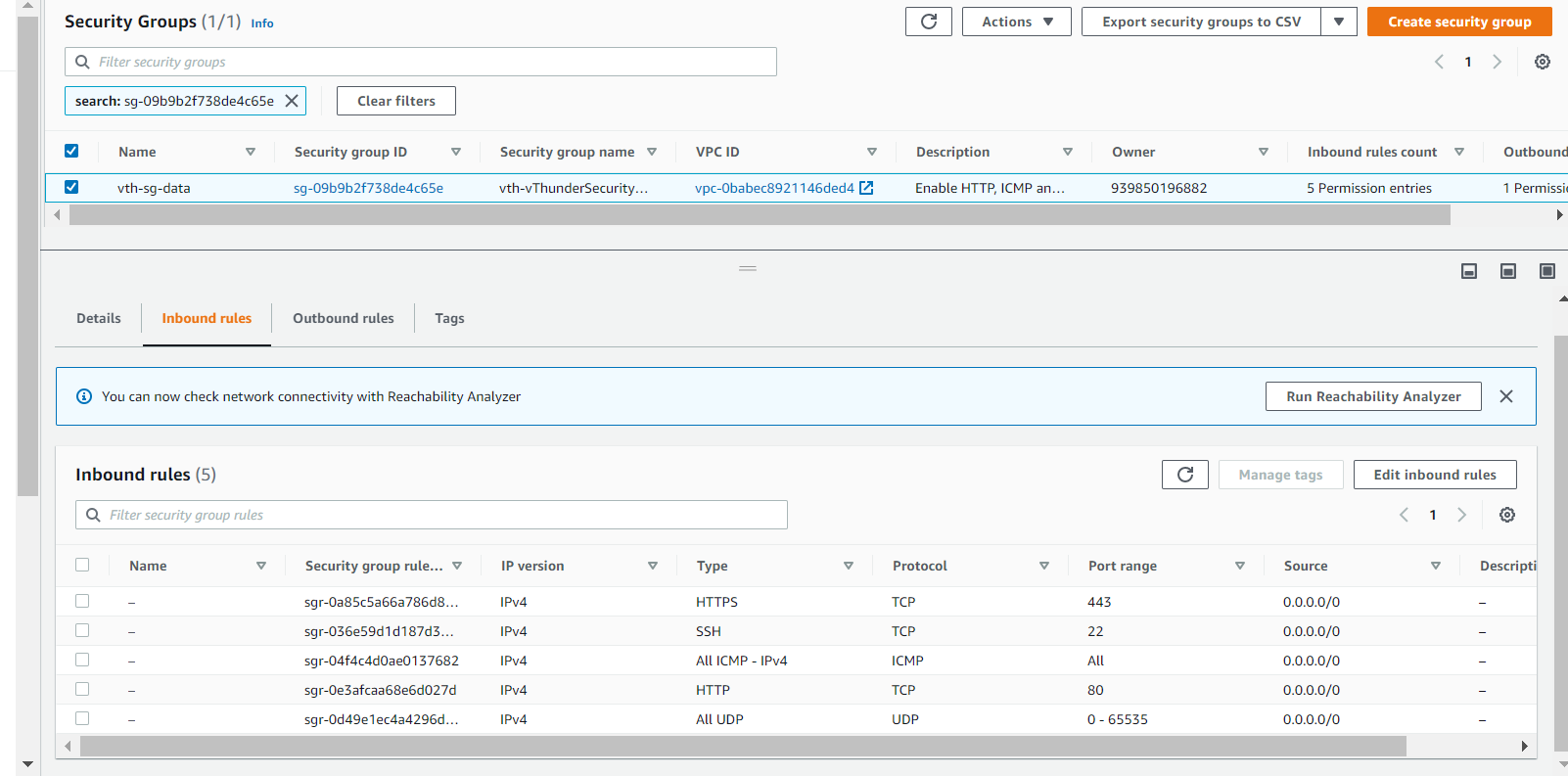
* Expected Outcome: 2 security groups should get created and must have inbound rules.
* Actual Outcome: 2 security groups is created and attached to VMs and there are some inbound security rules created.



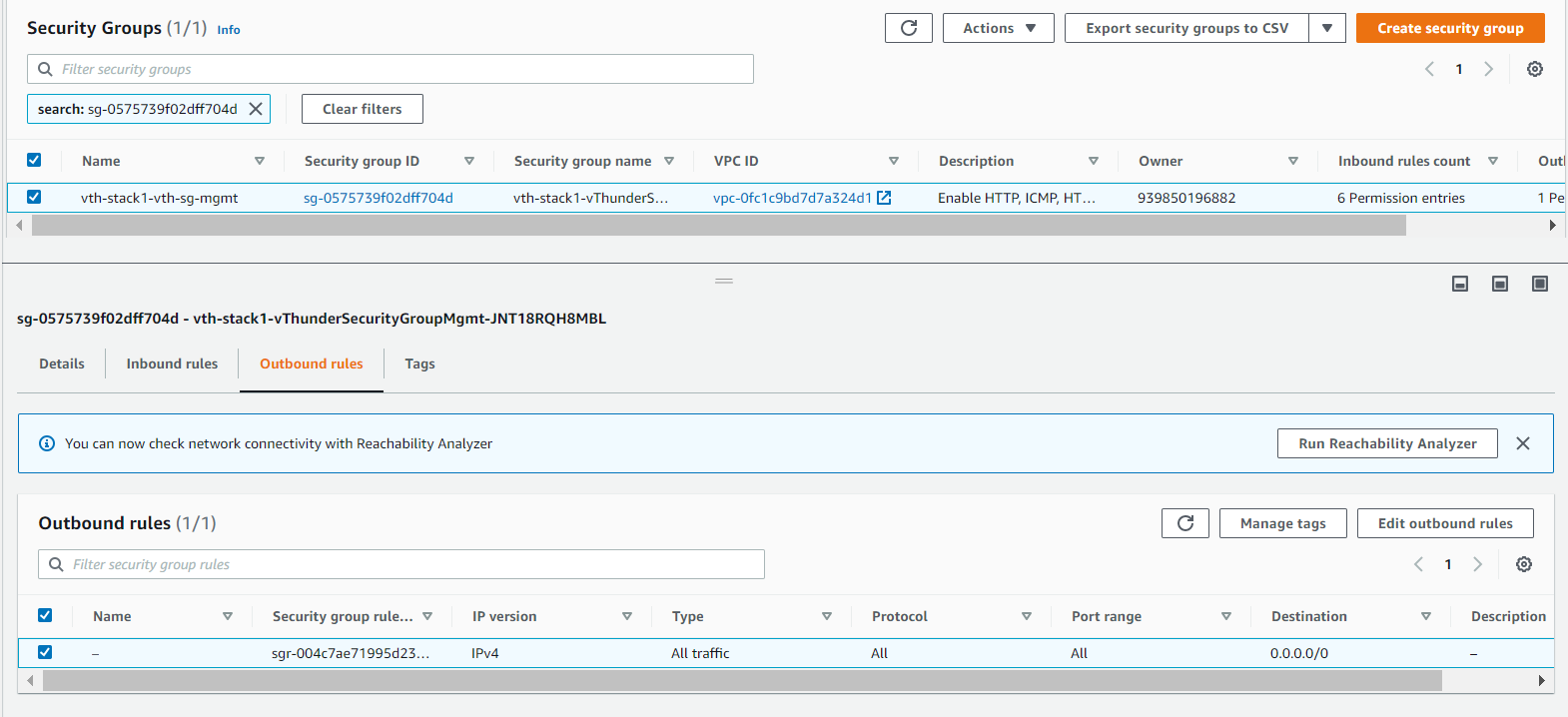


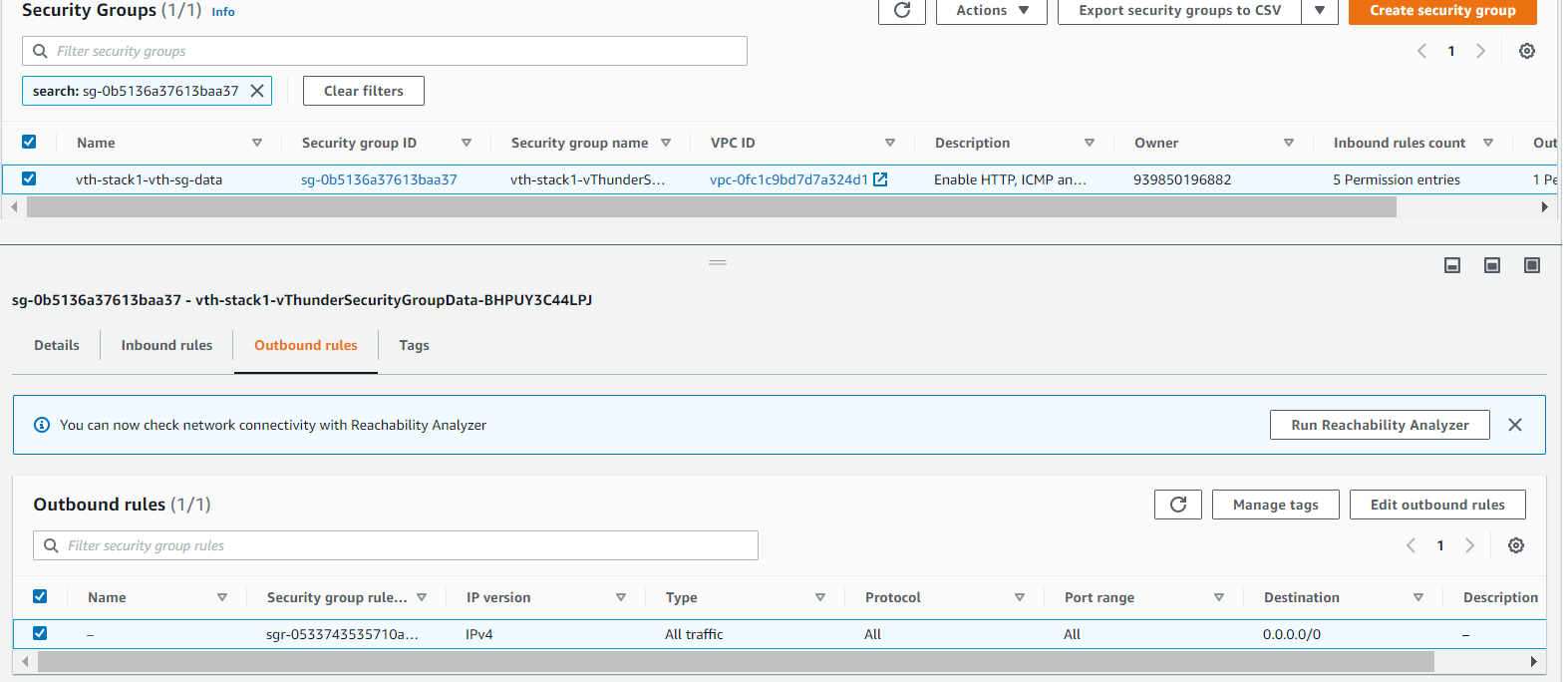
Network Security Group Inbound rules.





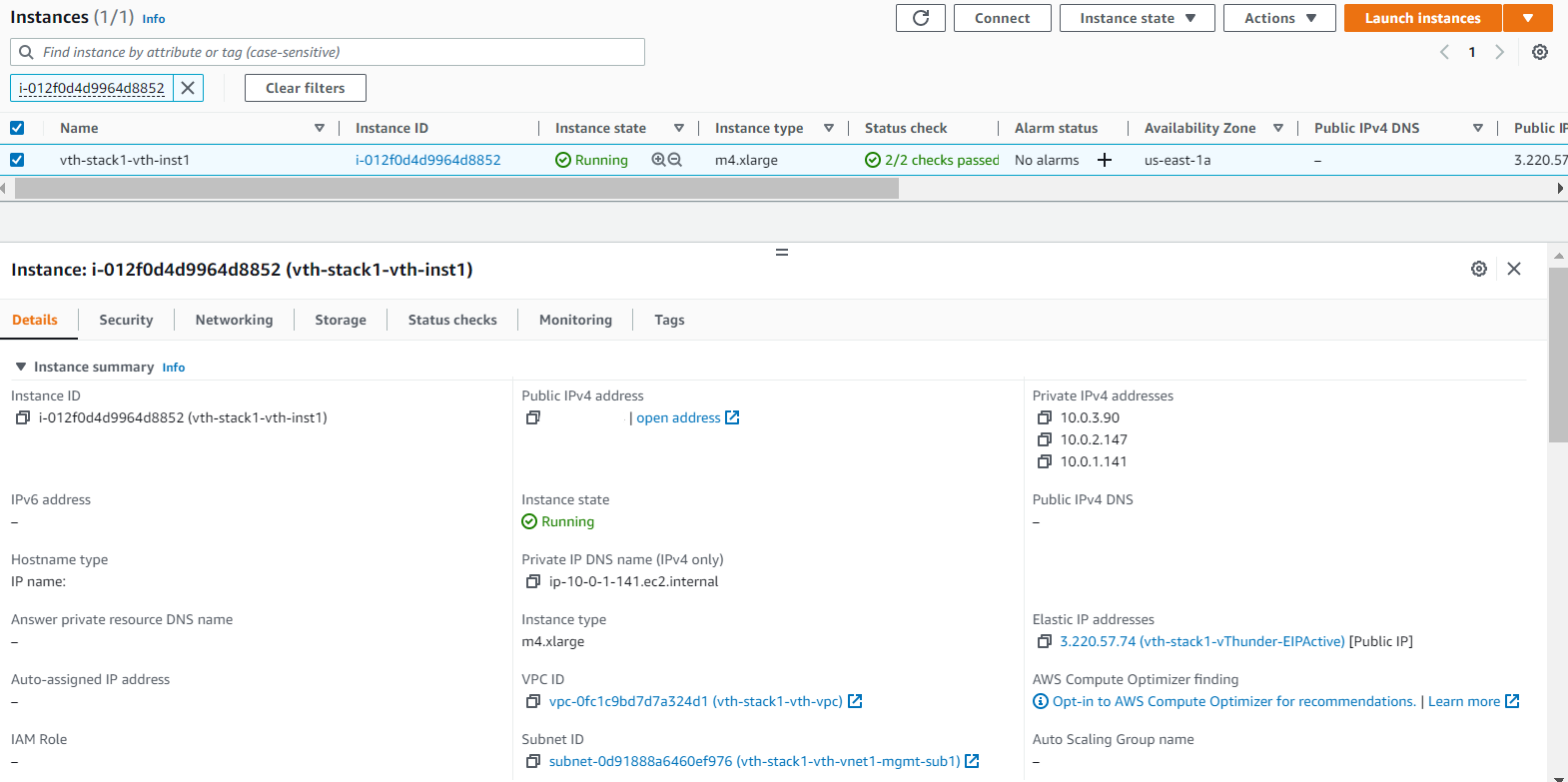
Network Security Group Outbound rules.

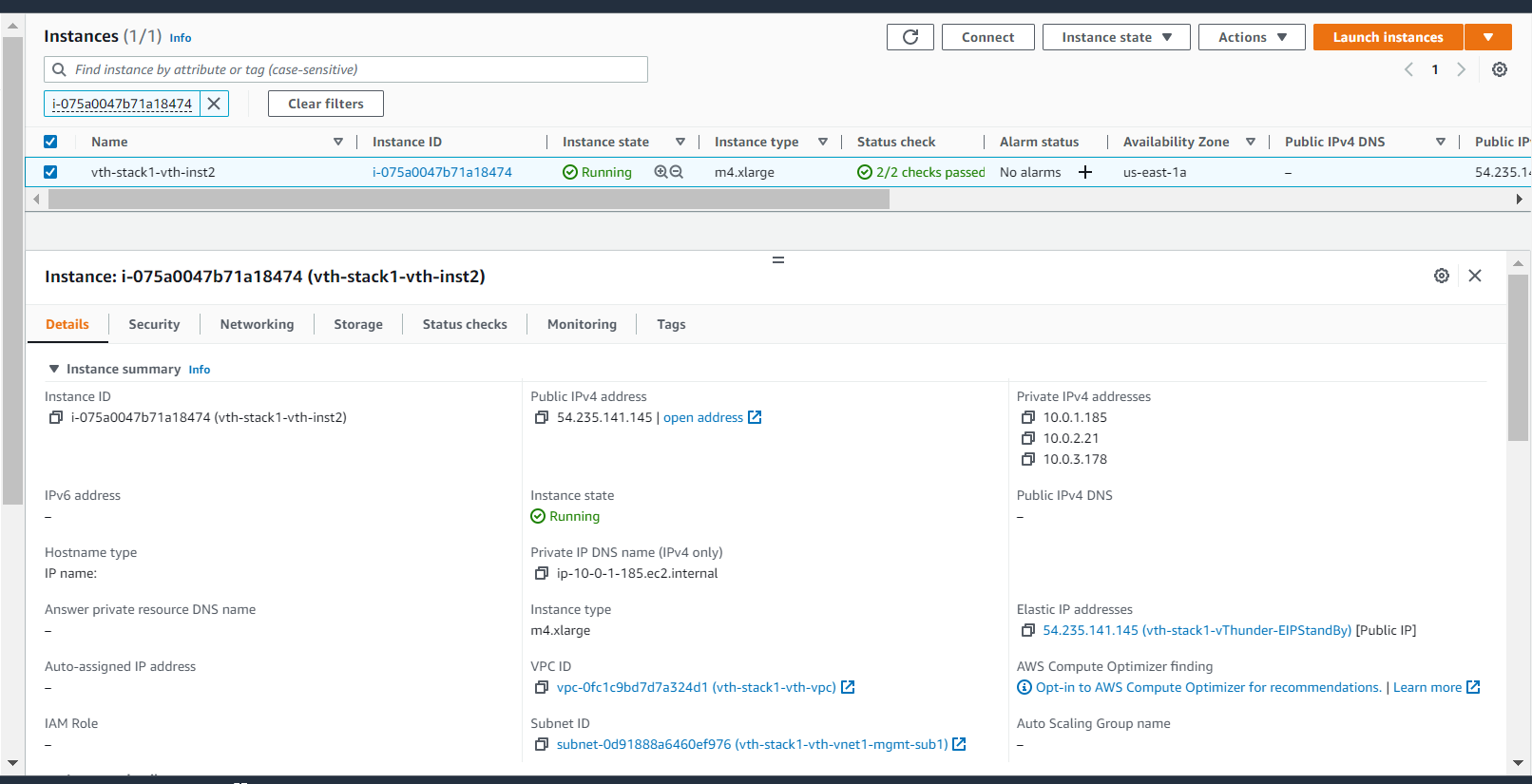




## vThunder Instances

* Expected Outcome: 2 vThunder instances should get created.
* Actual Outcome: 2 vThunder instances are created.



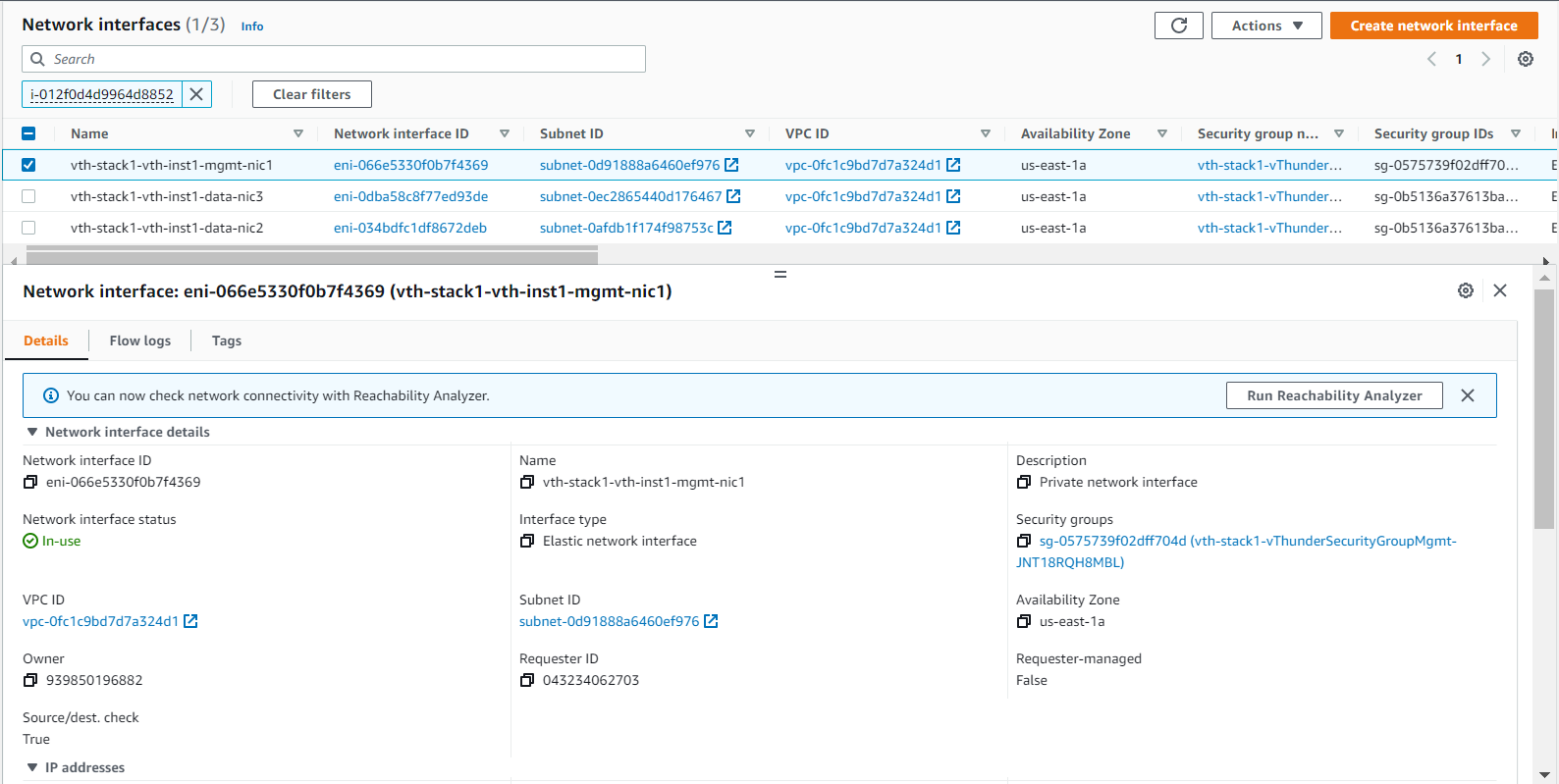


# vThunder Networking Configuration on AWS

## vThunder-1

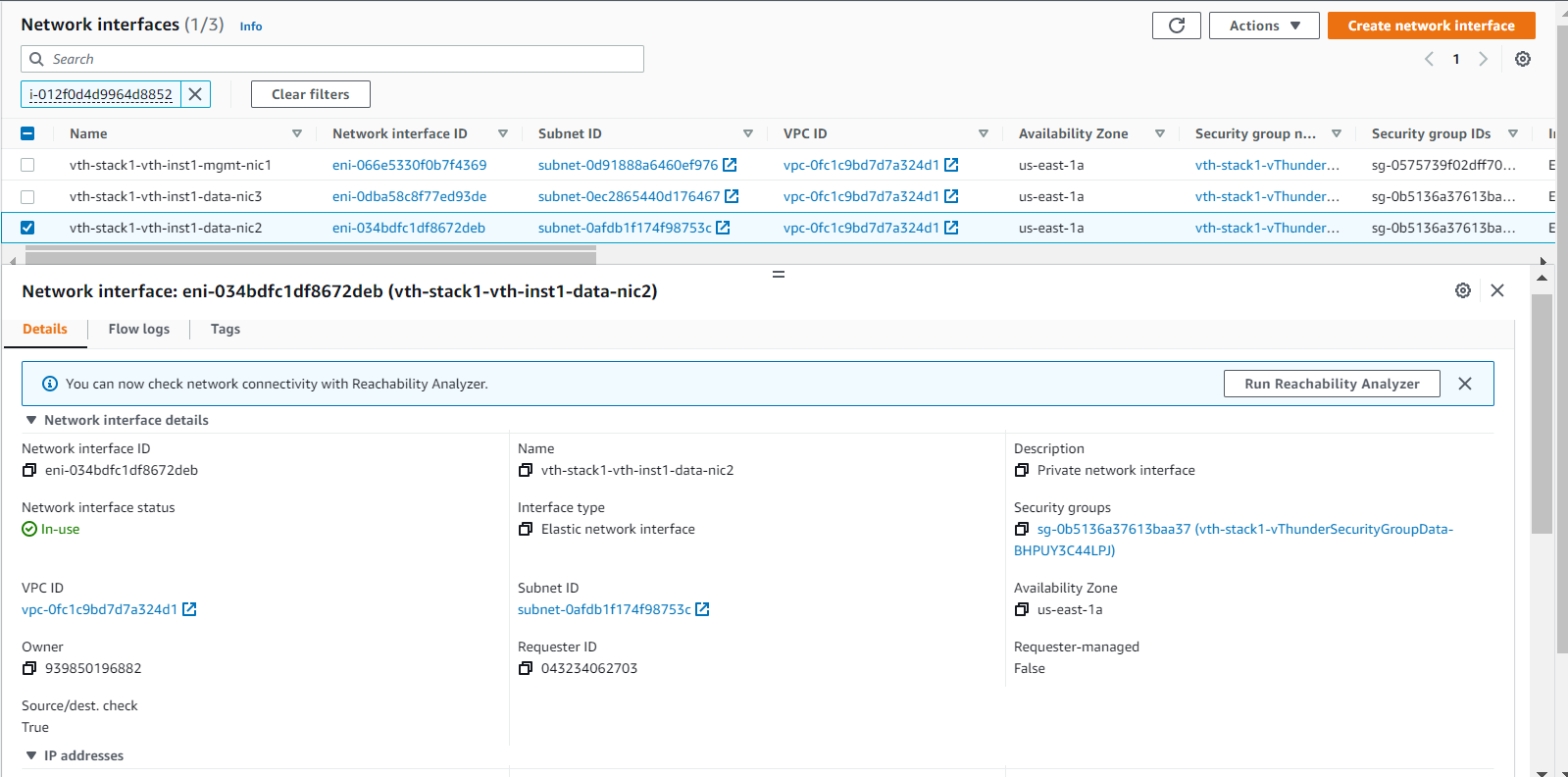
### Management Interface

* Expected Outcome: Management interface will have only primary ip, no secondary ip.
* Actual Outcome: Management interface has only primary ip.



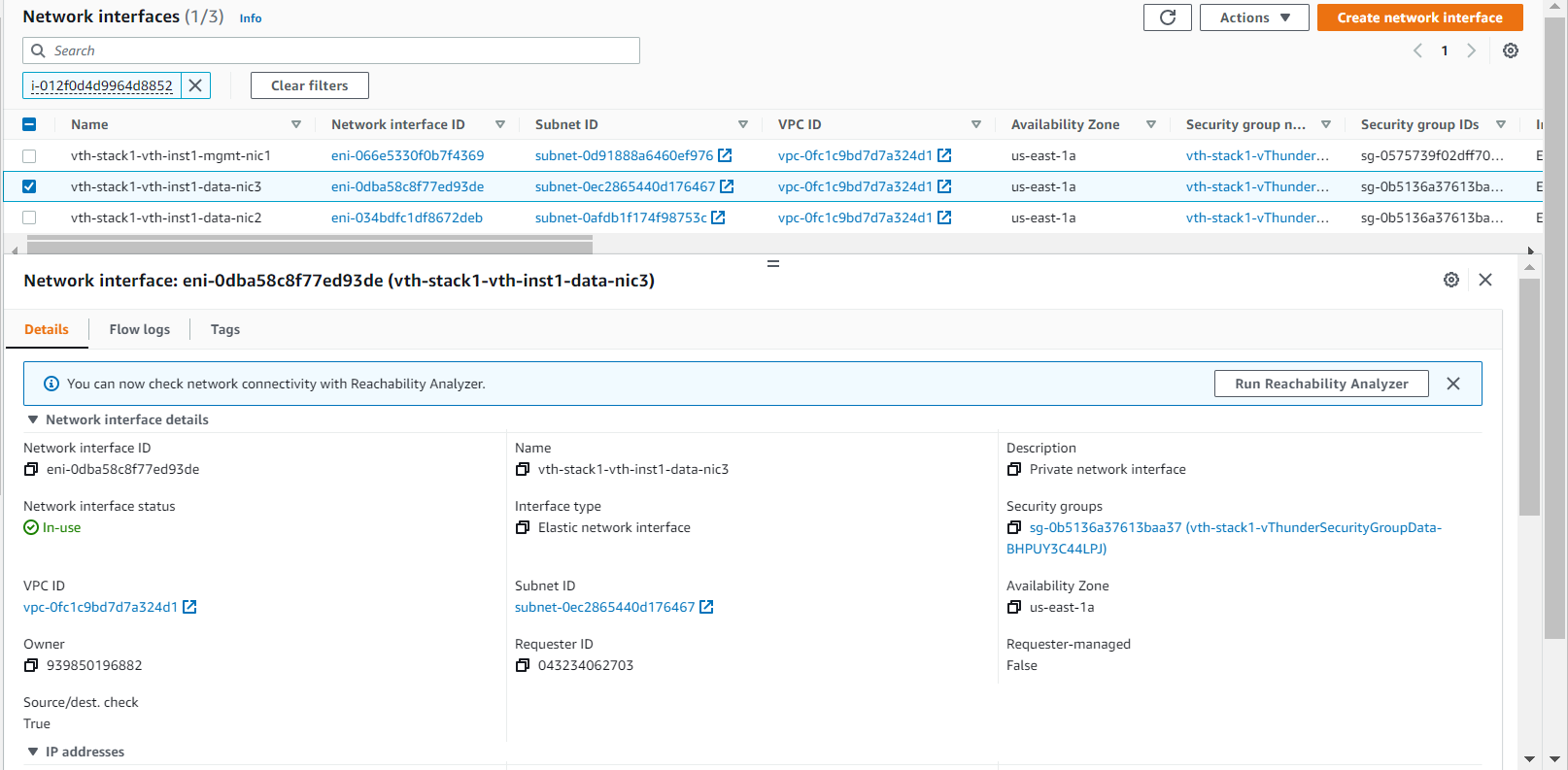
### Data Interface (Client Side)

* Expected Outcome: Client side data interface will have 1 primary ip and 1 private secondary ip.
* Actual Outcome: Client side data interface has 1 primary ip and 1 private secondary ip.



### Data Interface (Server Side)

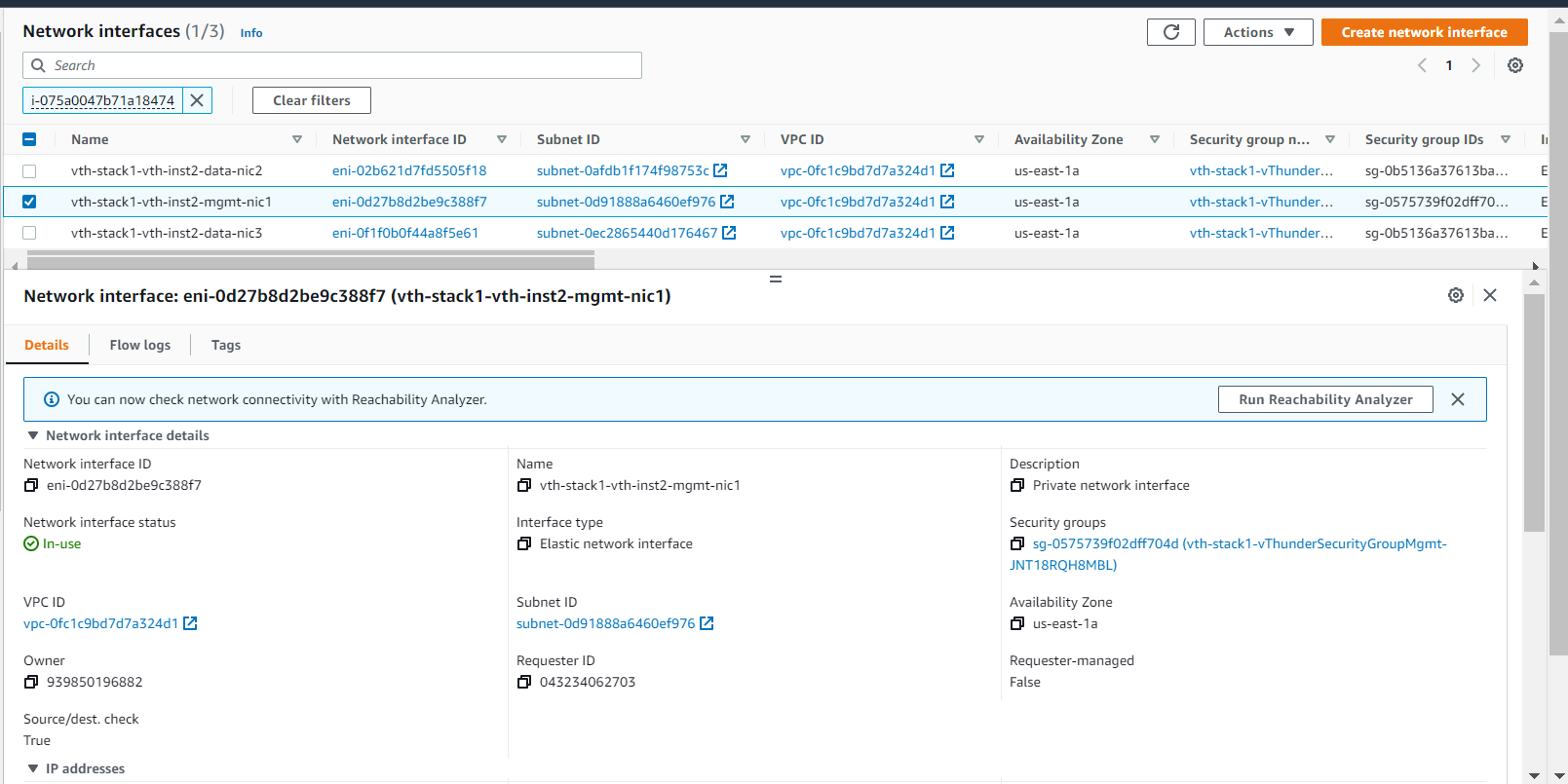
* Expected Outcome: Server side interface will have 1 primary ip and 1 private secondary ip.
* Actual Outcome: Server side interface has 1 primary ip and 1 private secondary ip.



## vThunder-2

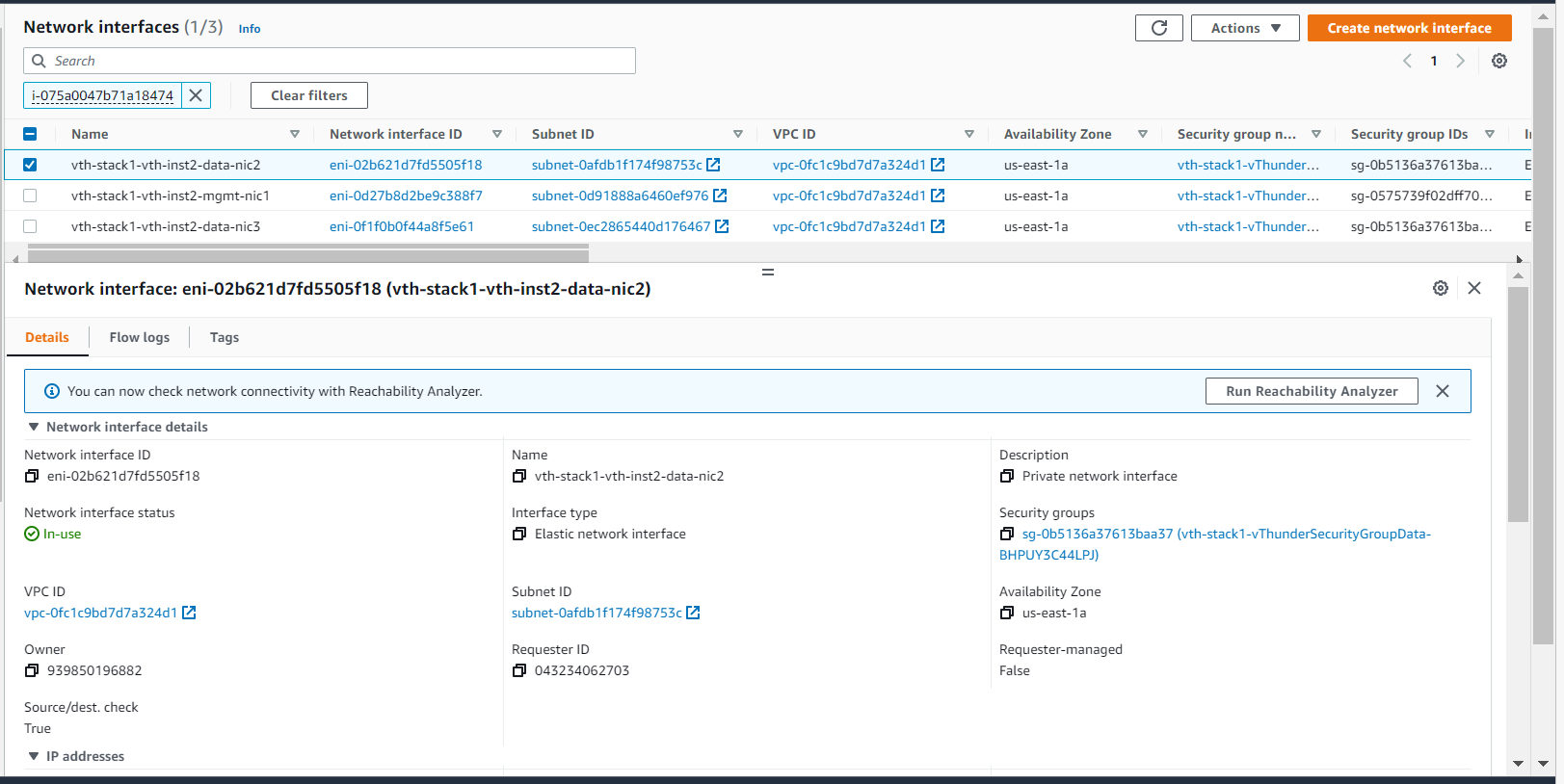
### Management Interface

* Expected Outcome: Management interface will have only primary ip, no secondary ip.
* Actual Outcome: Management interface has only primary ip.



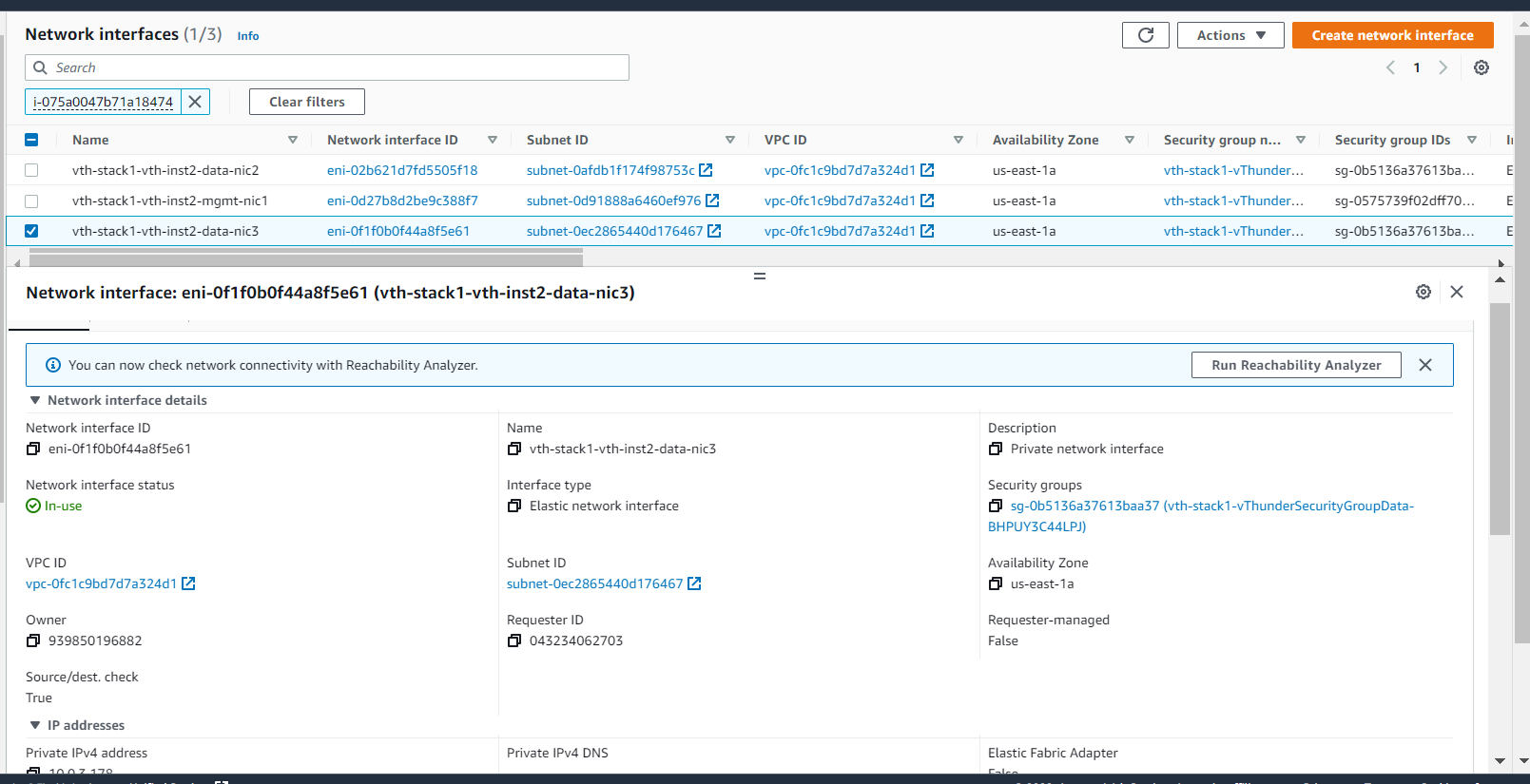
### Data Interface (Client Side)

* Expected Outcome: Client side data interface will have 1 primary ip and no private secondary ip.
* Actual Outcome: Client side data interface has 1 primary ip and no private secondary ip.



### Data Interface (Server Side)

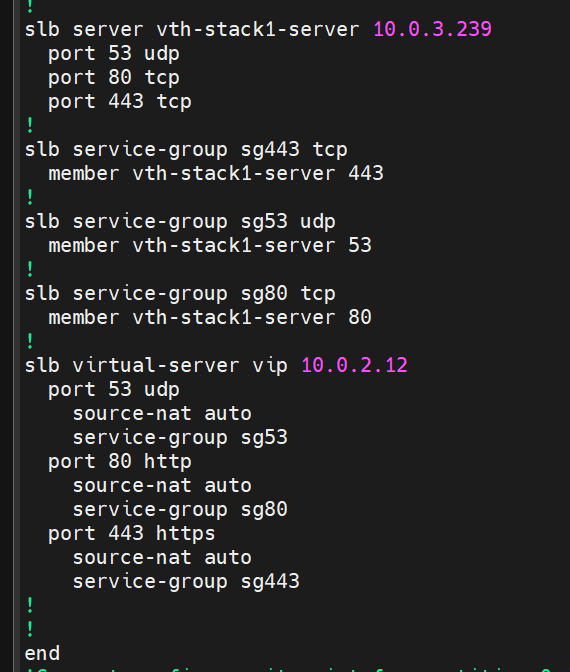
* Expected Outcome: Server side interface will have 1 primary ip and no private secondary ip.
* Actual Outcome: Server side interface has 1 primary ip and no private secondary ip.



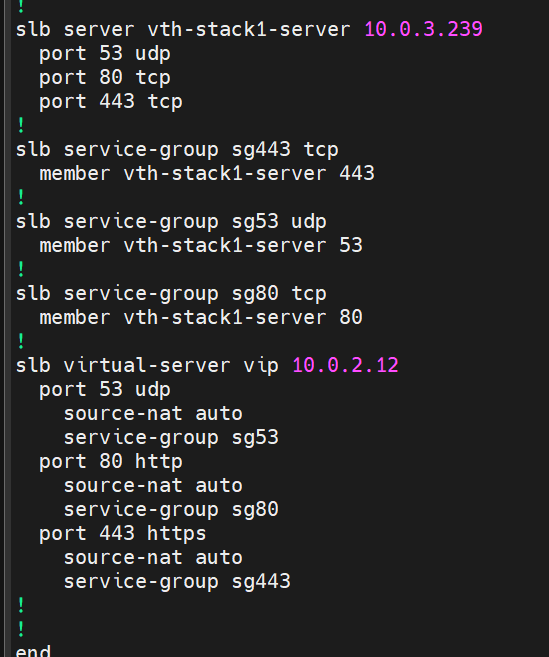
# vThunder IP Configuration

### Slb verification

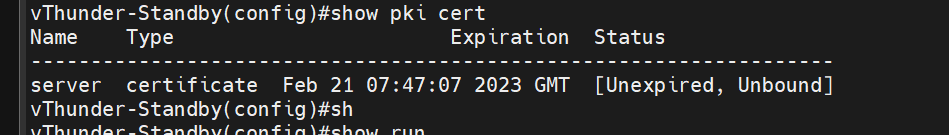
*vThunder 1(stack name-vth-inst-1)*

**

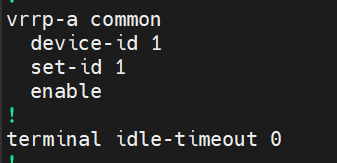
*vThunder 2(stack name-vth-inst-2)*

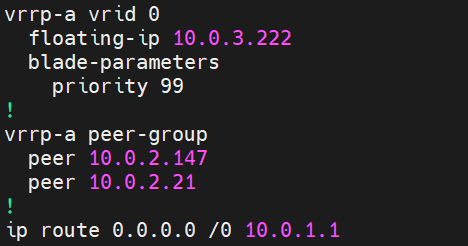
**

### SSL verification

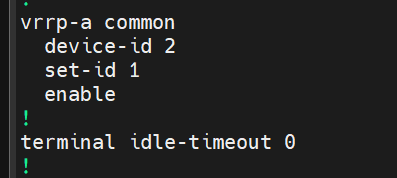


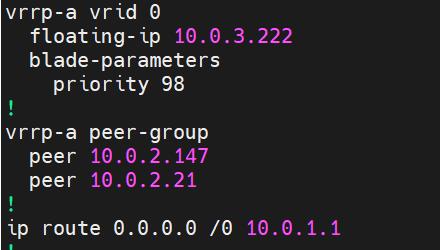
### HA verification

**

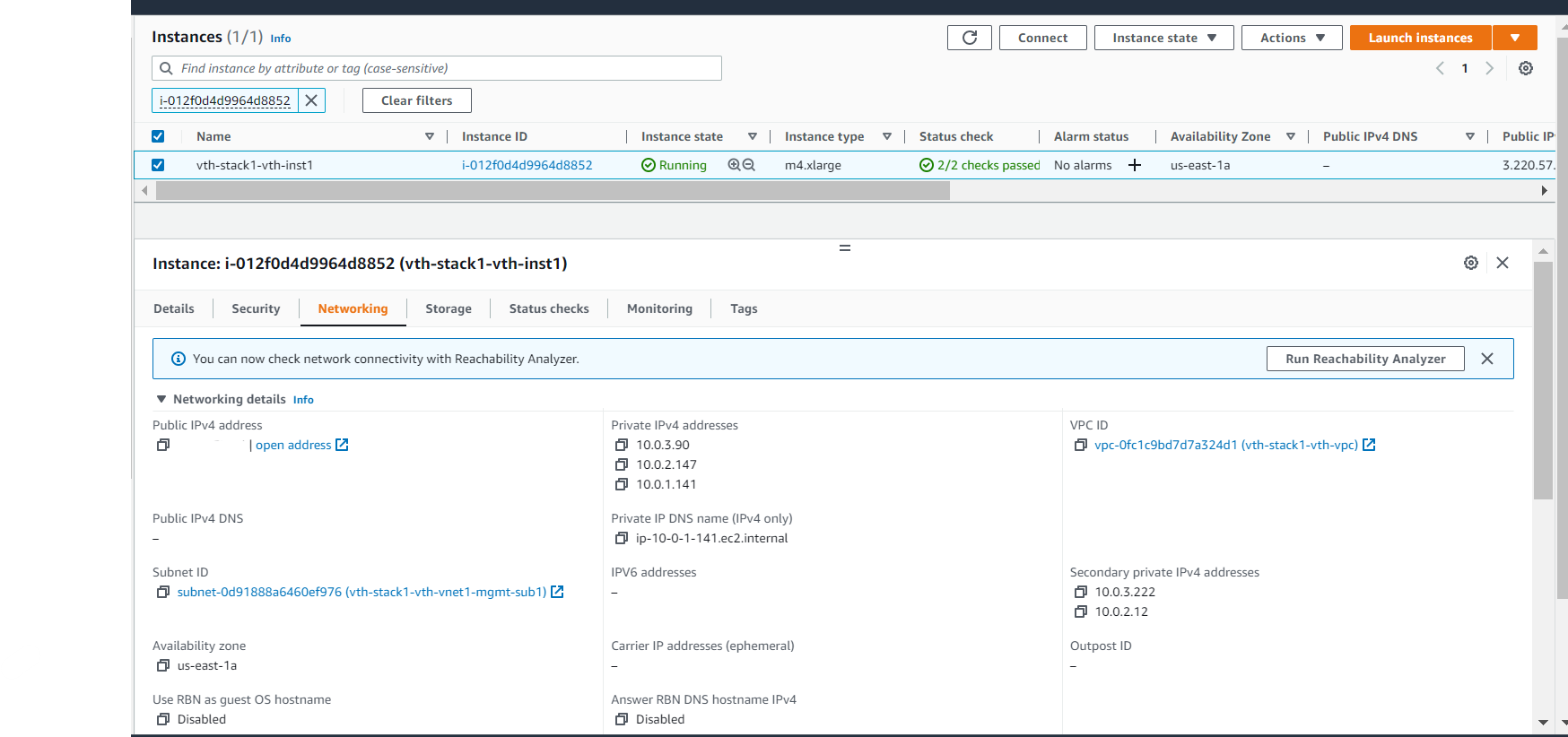
**

*vThunder 2(stack name-vth-inst-2)*

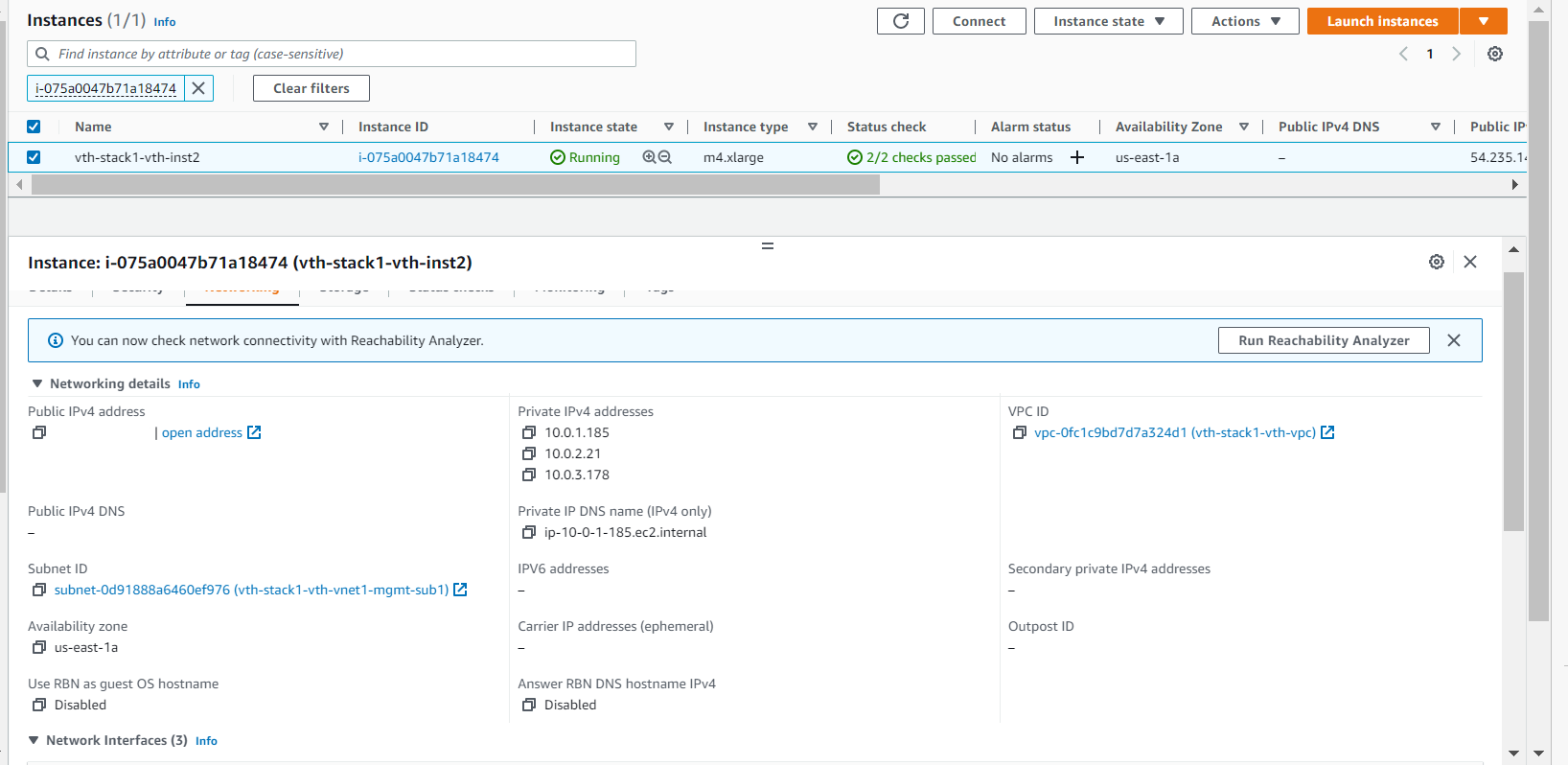




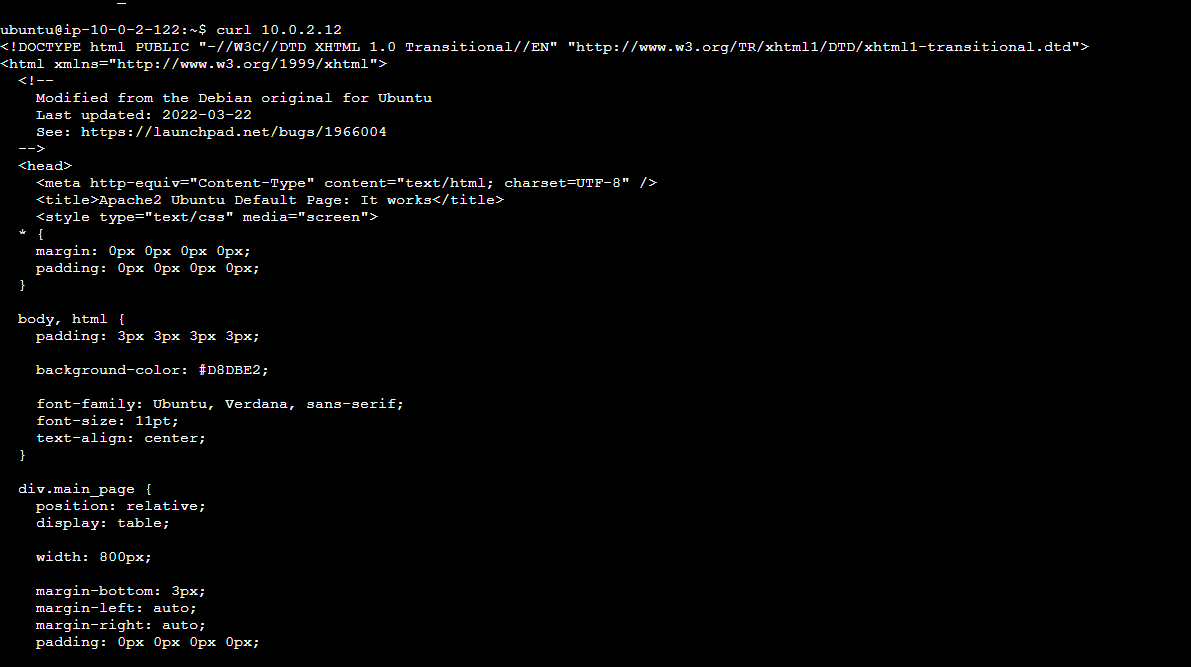
vth-stack1-vth-inst1



vth-stack1-vth-inst2

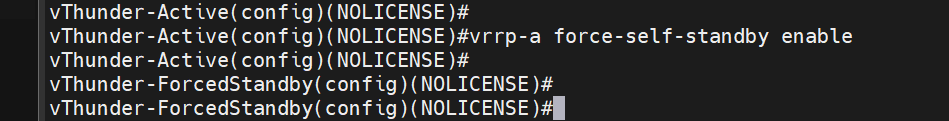


#### Traffic testing

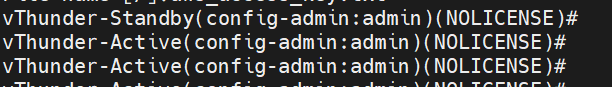


**After Force StandBy:**

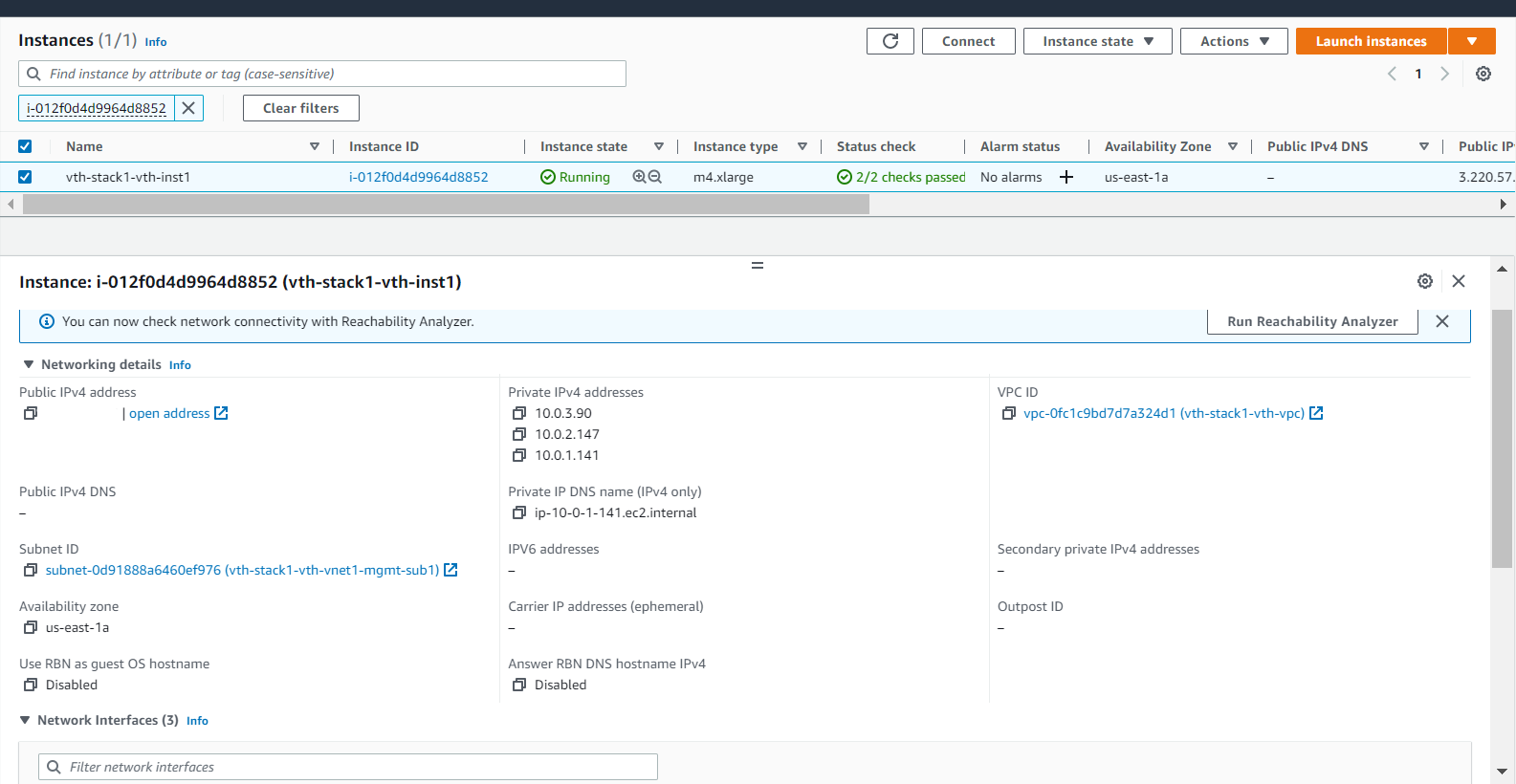
vth-stack1-vth-inst1



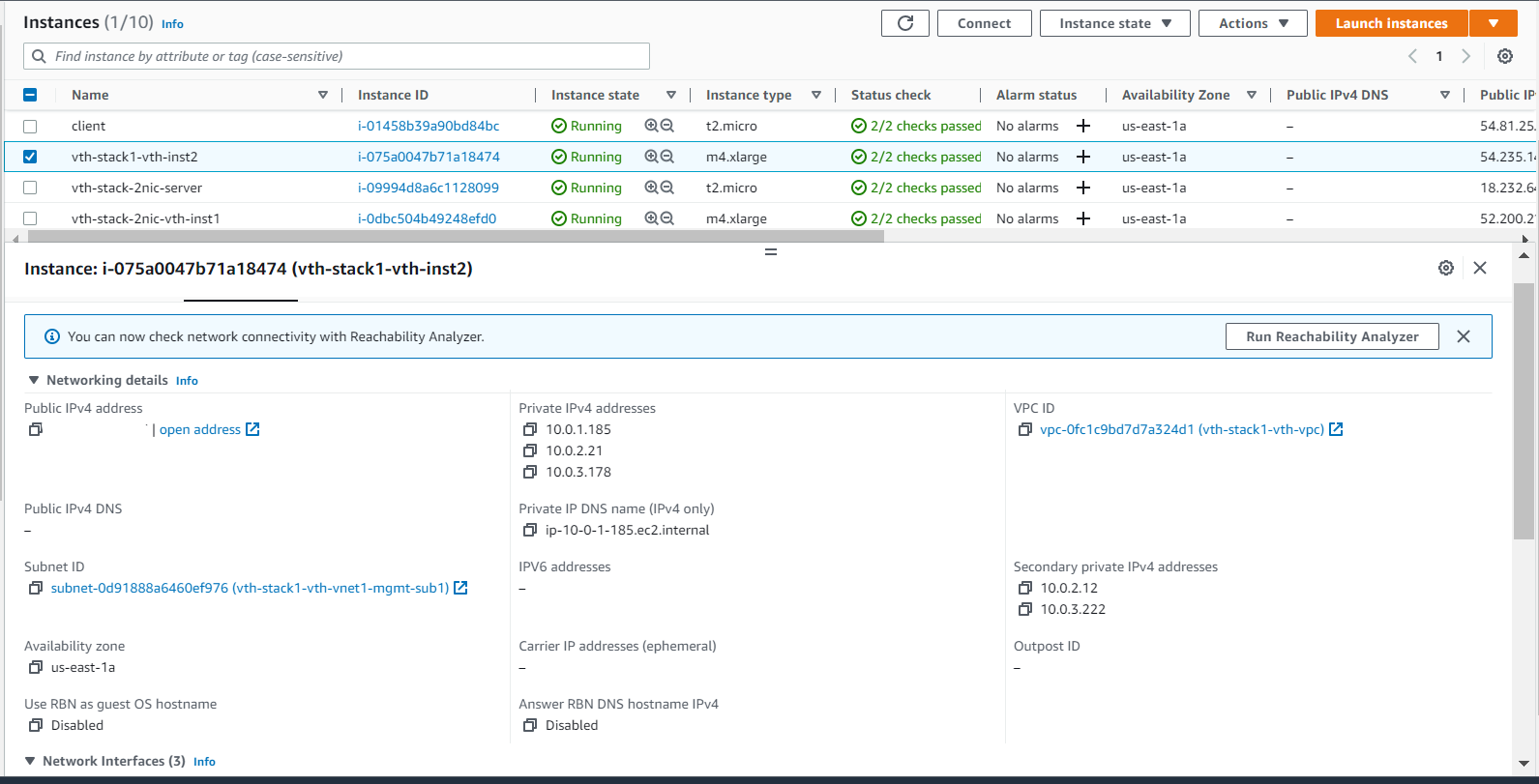
vth-stack1-vth-inst2



vth-stack1-vth-inst1



vth-stack1-vth-inst2



#### Traffic testing

