Contents

[**IAM** 1](#_Toc135047406)

[**EC2** 2](#_Toc135047407)

[**VPC** 3](#_Toc135047408)

[**Load Balancers, Target Group, Launch Template, Autoscaling** 6](#_Toc135047409)

[**S3** 8](#_Toc135047410)

[**RDS** 9](#_Toc135047411)

# **IAM**

1. Created Account
2. Created Adminuser
3. Created Admingroup
4. Created readonlyuser and tried accessing my-instance from console

A screenshot of a computer

Description automatically generated with medium confidence

https://sadakar.signin.aws.amazon.com/console

username : readonlyuser

password : readonly@123

1. Created readonlygroup
2. Created “audit” role and given AmazonEC2ReadOnlyAccess and then tried creating an EC2 instance and while creating key-pair got below error.   
   A screenshot of a computer

   Description automatically generated with medium confidence

When used existing key-pair got below error

A close-up of a message

Description automatically generated with low confidence

# **EC2**

1. Create an EC2 instance with all default configurations.

A screenshot of a computer

Description automatically generated

Connecting to the instance using PuTTy

A screenshot of a computer

Description automatically generated with medium confidence

Connecting through console

A screenshot of a computer

Description automatically generated with medium confidence

NOTE : chmod 400 my-ppk.ppk

<https://stackoverflow.com/questions/11380955/chmod-not-recognized-as-internal-or-external-command>

# **VPC**

* Created VPC : my-vpc
* Created Subnets :

my-subnet-public-01

my-subnet-public-02

my-subnet-private-01

my-subnet-private-02

* Create Internet Gateway : my-internet-gateway
* Attach Internet Gateway to VPC
* Route Tables Creation

my-rt-1-private

my-rt-2-public

* Associated Route tables to subnets

my-rt-1-private 🡪 my-subnet-private-01 and my-subnet-private-02

my-rt-2-public 🡪 my-subnet-public-01 and my-subnet-public-02

* Security Group is created and added inbound rule with all traffic
* Enabled “Auto-assign IP settings” for my-subnet-public-02 and my-subnet-public-01
* Creating EC2 instance with custom VPC, Custom Subnet, Custom Security Group

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Connecting to the instance:   
A screenshot of a computer

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A picture containing text, screenshot, software, display

Description automatically generated

How to find ip configuration ?

A picture containing text, screenshot, font, software

Description automatically generated

# **Load Balancers, Target Group, Launch Template, Autoscaling**

1. Load balancer and target group | my-load-balancer and my-target-group-1
   * EC2 🡪 Load balancer 🡪 Application Load Balancer
   * Create target group while creating the load balancer
   * Create load balancer is done
2. Launch template | my-template-1
3. Auto Scaling Groups (ASG) | my-auto-scaling-1
4. Go to instances and check for the instances created and running from autoscaling
5. Turn off any of the instance and wait for sometime and refresh the instances page. A new instance is created.

Load balancer:

A screenshot of a computer

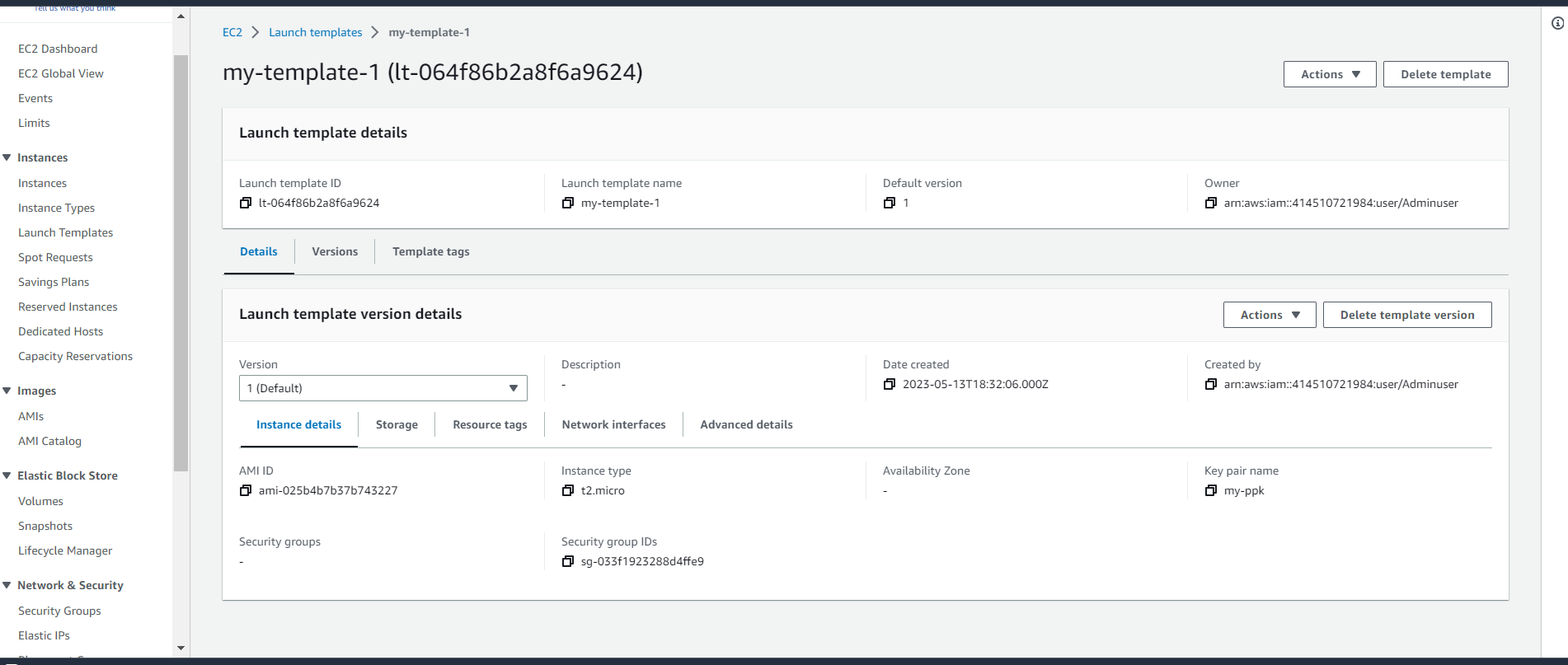
Description automatically generated

Target groups:

A screenshot of a computer

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Launch template:



Auto Scaling Groups

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Description automatically generated with medium confidence

Instances:

A screenshot of a computer

Description automatically generated with medium confidence

New instance is created in autoscaling:

A screenshot of a computer

Description automatically generated with medium confidence

# **S3**

# **RDS**

* Singapore region
* Standard Create
* MySQL 🡪 Credentials   
  A screenshot of a computer

  Description automatically generated
* Created EC2 instance

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