Dated 21.05.2024

**Hands on ElastiCache**

Database services

Amazon ElastiCache

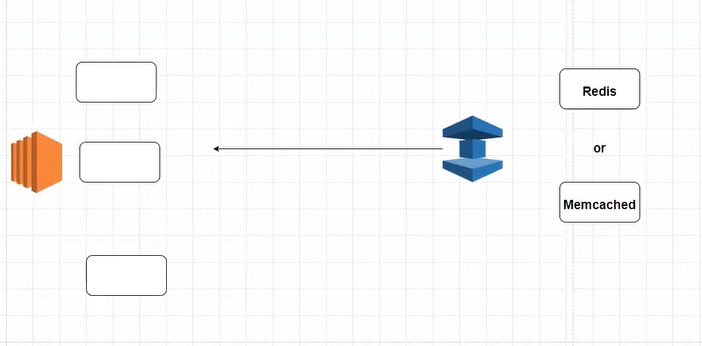
Real-time performance for real-time applications

Delivers real-time performance, and enables applications to scale instantly. ElastiCache is compatible with two open-source caching solutions: Redis and Memcached.

URL : https://aws.amazon.com/elasticache/redis-vs-memcached/

URL : https://aws.amazon.com/elasticache/pricing/

Lab



Go to Amazon Elasticashe

Create a ElastiCache

Choose Memchached

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Select memcashed

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Deployment option >>> Design your own cache

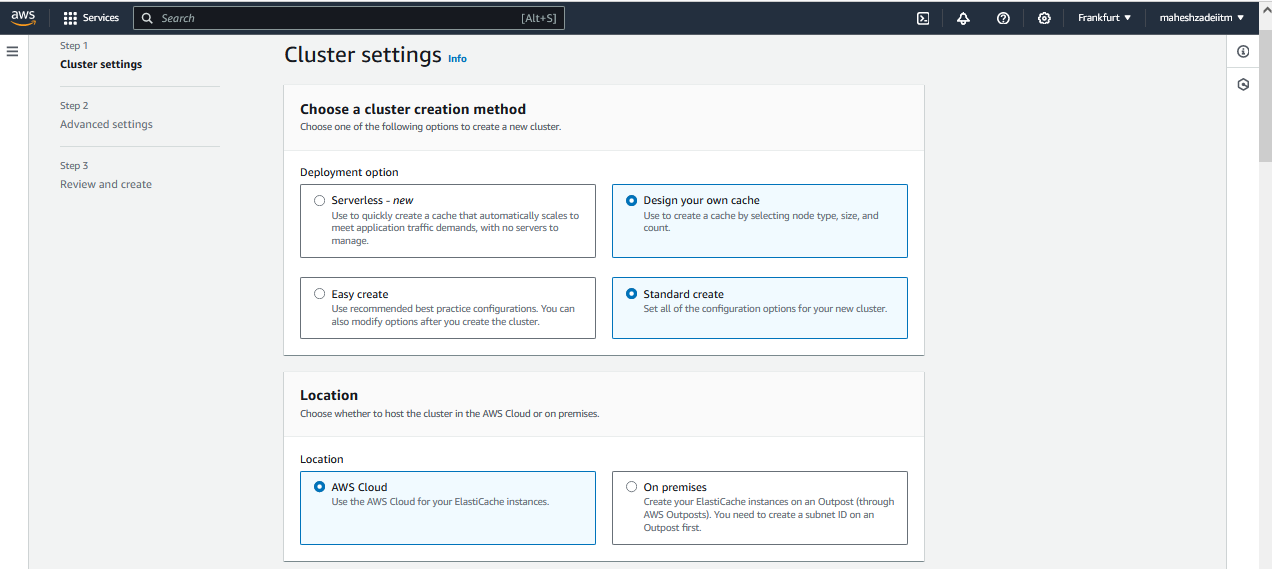
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Location AWS Cloud

creation method >>> Standard Create

Location >> AWS Cloud



Cluster name - MyElastiCache

Leave all the Cluster settings as it is, except below

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Node type >> cache.t2.micro

Number of nodes >>> 1

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Create Subnet Group

Name – mySubnetGroup

Choose your VPC

Selected subnets >>> Choose your Public Subnets

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Availability Zone >>> No preference

Next

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Selected security groups >>> Choose your above SG

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Create a "Dedicated SG "

ALL TCP >> anywhere

SSH >> anywhere

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Now Click on Manage in Elastcashe

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Select created SG and click on choose

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Maintenance >>> No preference

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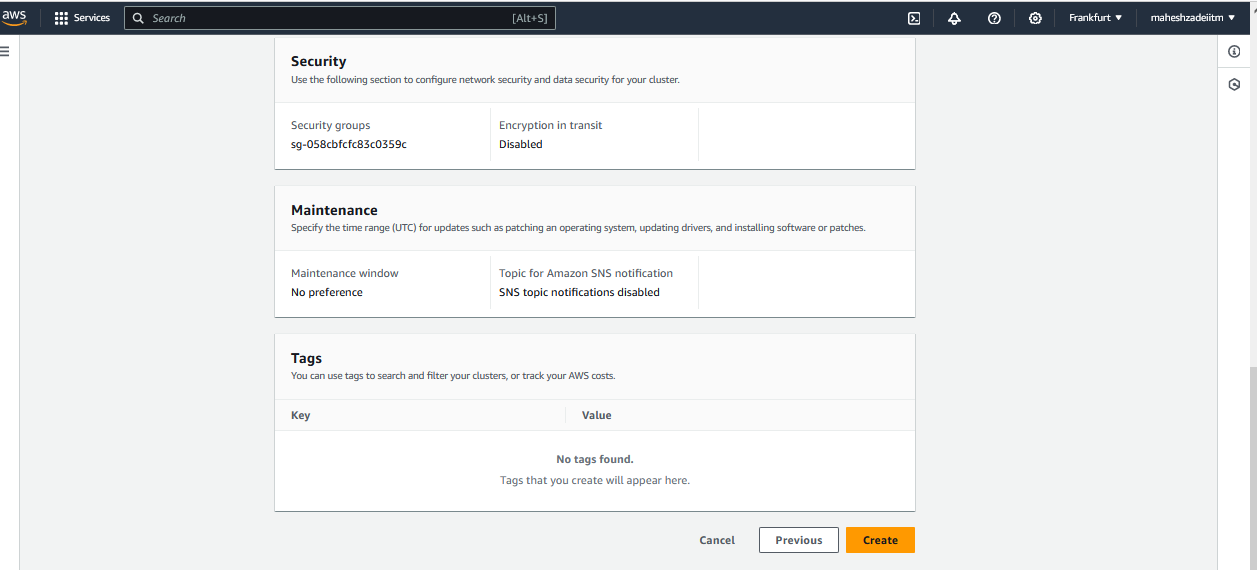
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Next, Review and Create

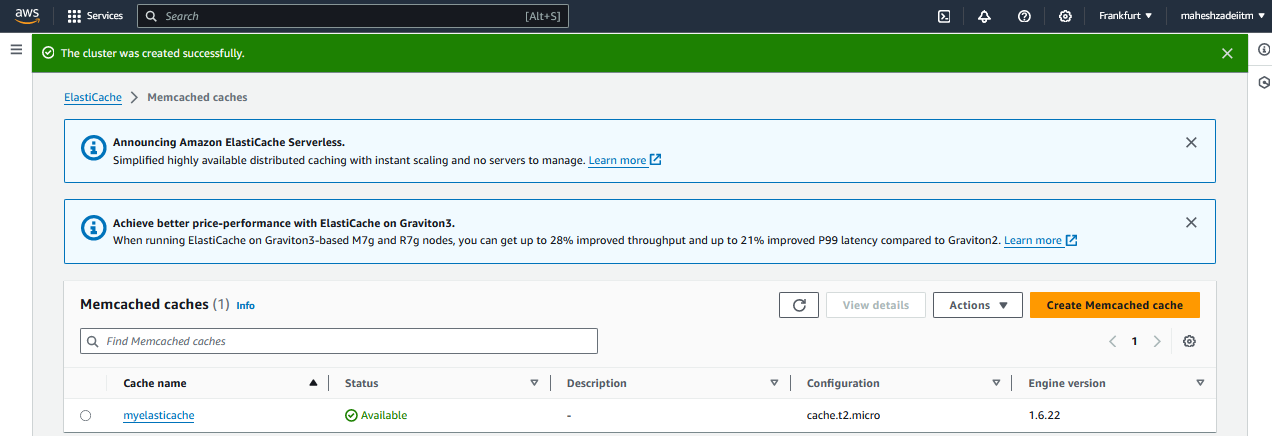
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Keep all the setting as it is



it will take time to create and you will get your endpoint



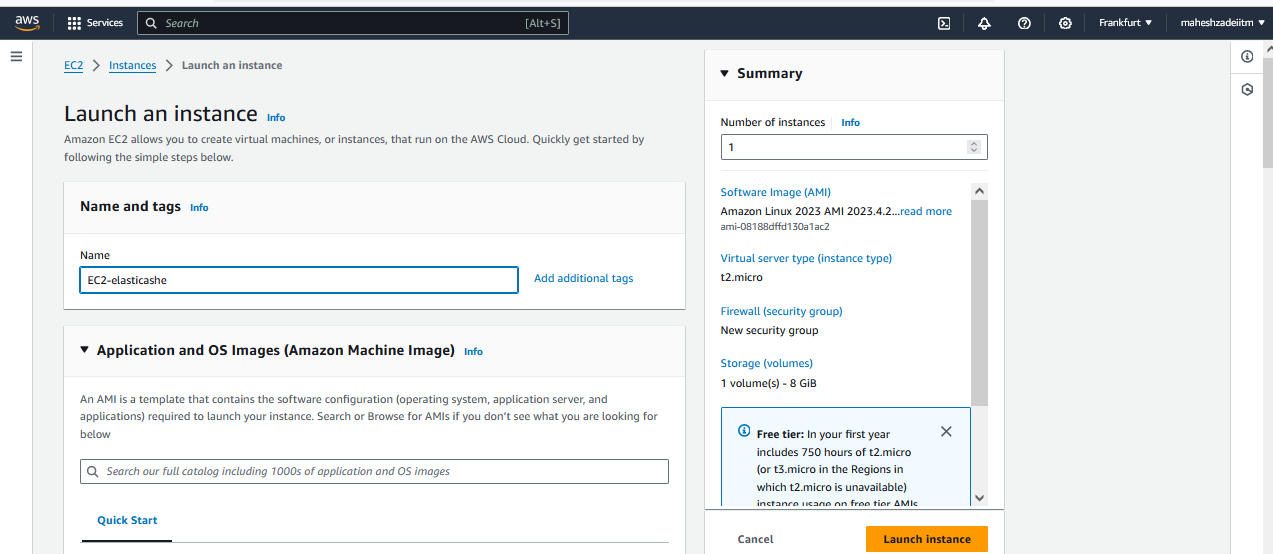
Make a note of your endpoint >>> myelasticache.y86dxt.cfg.apse1.cache.amazonaws.com:11211

My endpoint : myelasticache.gbaewr.0001.euc1.cache.amazonaws.com:11211

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Launch a "AMazon LInux 2" EC2 in public subnet using the above SG



Select the OS Amazon2

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Select the t2.micro and without keypair

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Select the default vpc

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Description automatically generated

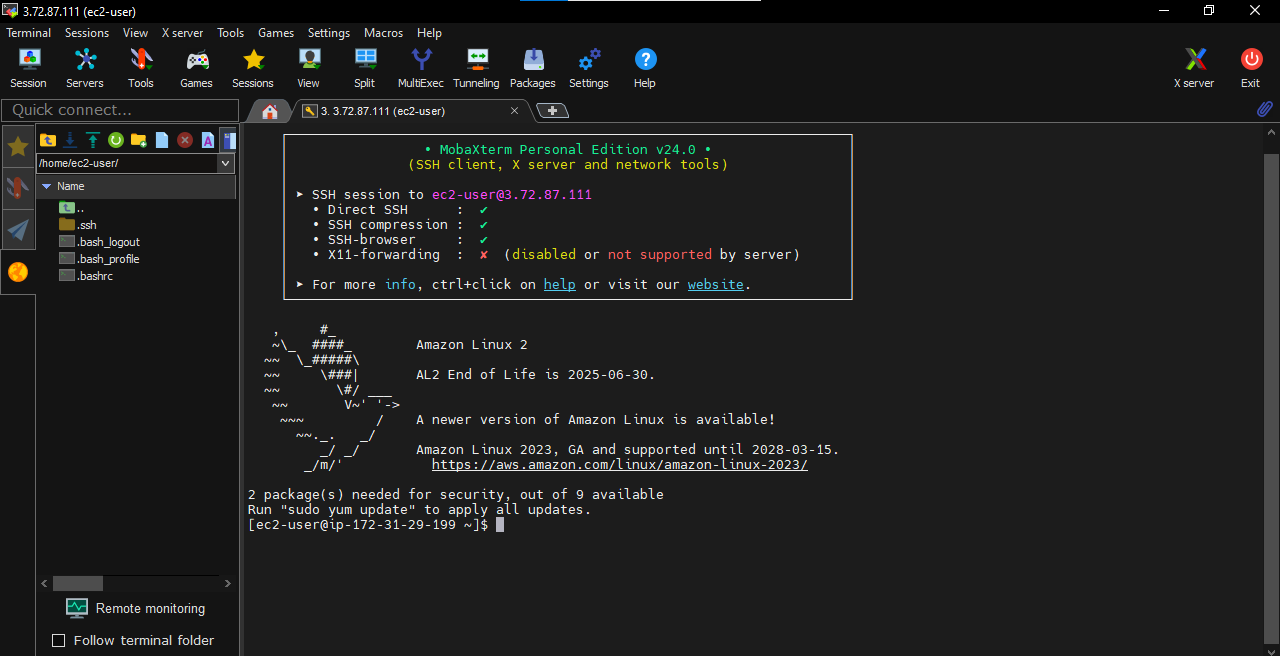
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launch instance

Insatnce created

Once you logged in



sudo su

yum install telnet

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telnet <your enpoint>

A screenshot of a computer

Description automatically generated

# dont forget to remove ":" and give a space before port number

myelasticache.gbaewr.0001.euc1.cache.amazonaws.com:11211

telnet myelasticache.gbaewr.0001.euc1.cache.amazonaws.com 11211

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once you see your endpoint is connected you can set your values and try with the get

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set <your suffix> 0 0 <your preferred number >

get <your suffix>

example - set name 0 0 6

mahesh

A computer screen with text on it

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set name 0 0 3

hai

A computer screen with white text

Description automatically generated

set name 0 0 5

manas

A computer screen with white and blue text

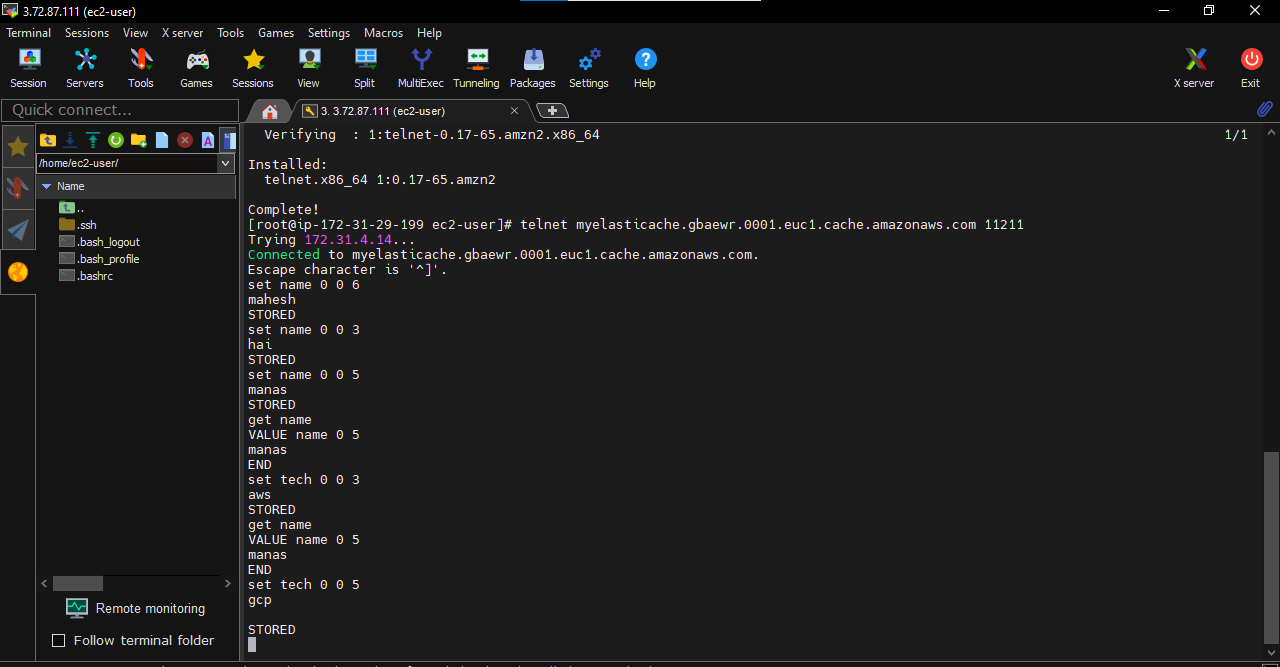
Description automatically generated

get name

A computer screen with white text

Description automatically generated

again you can try with new number but with same suffix.



Hence proved our Elasticashe provide Realtime data from its in memory.

Thanks

Pls check and confirm .

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