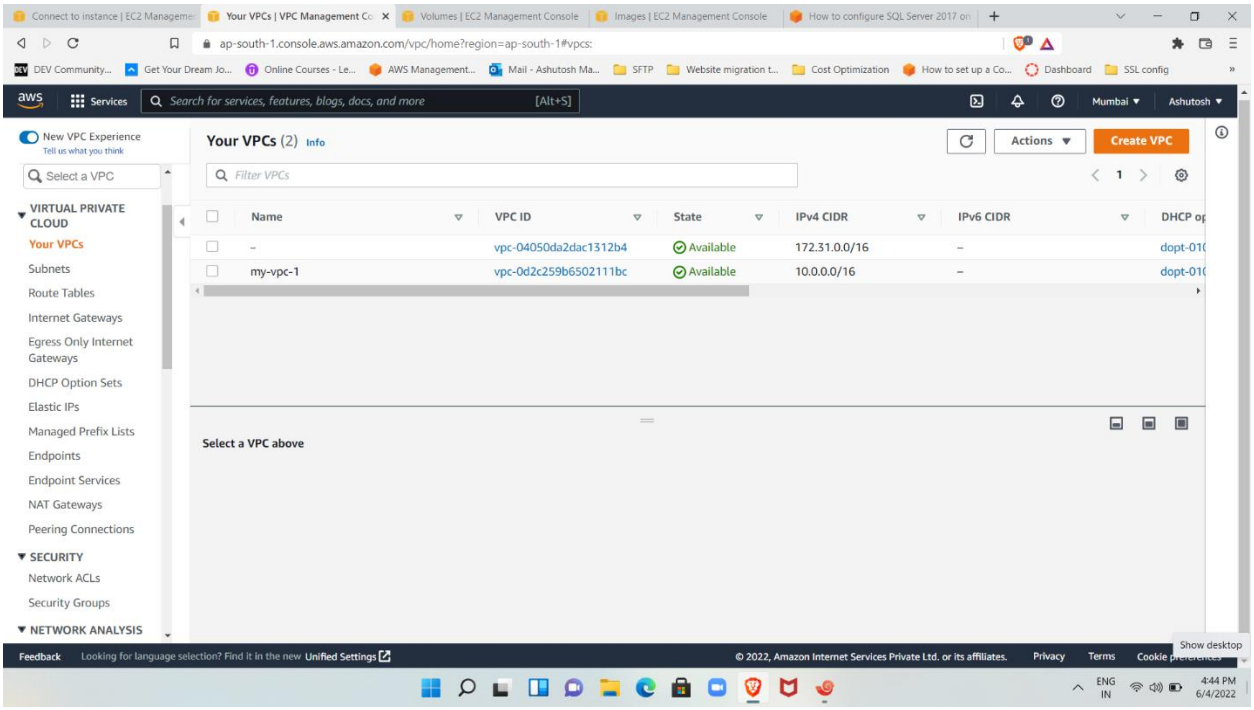
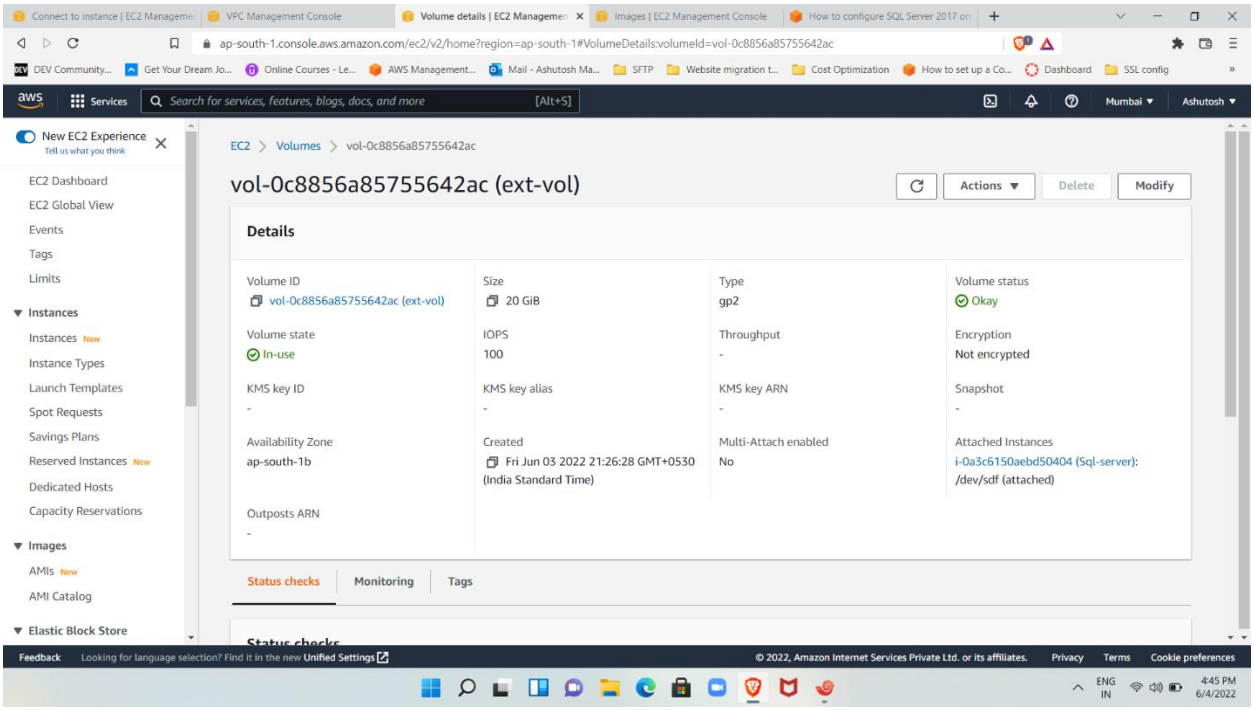
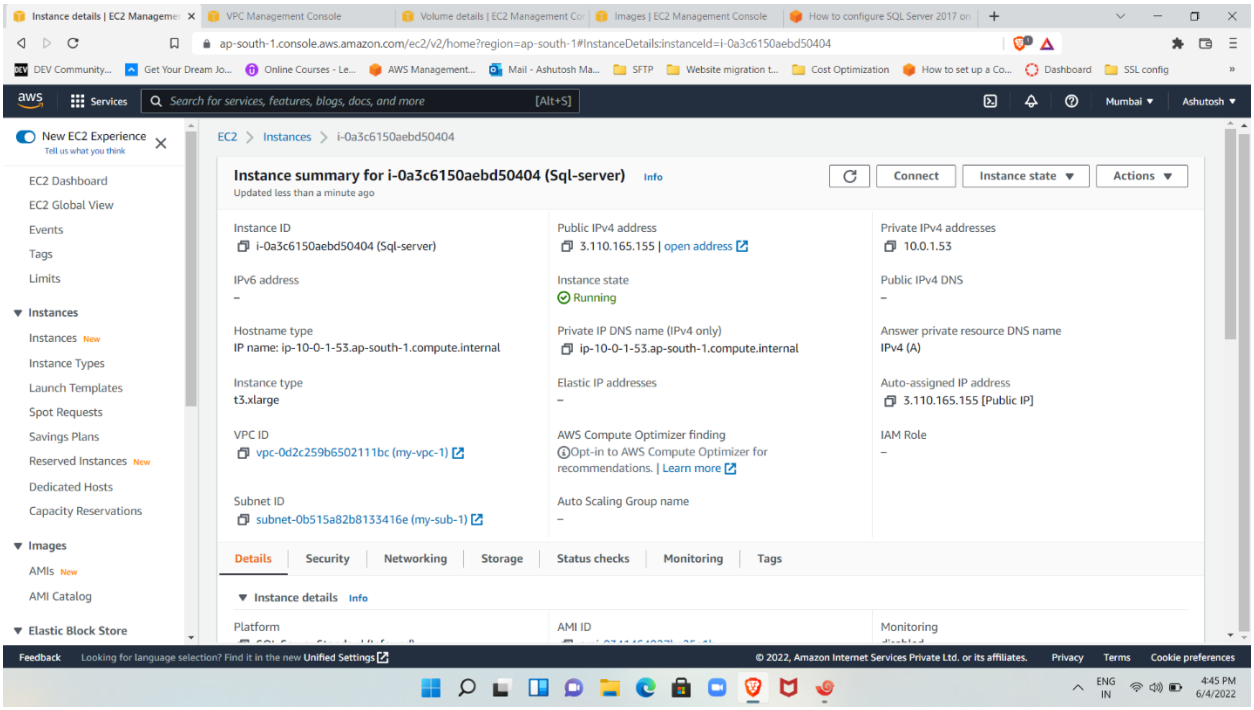
VPC creation:



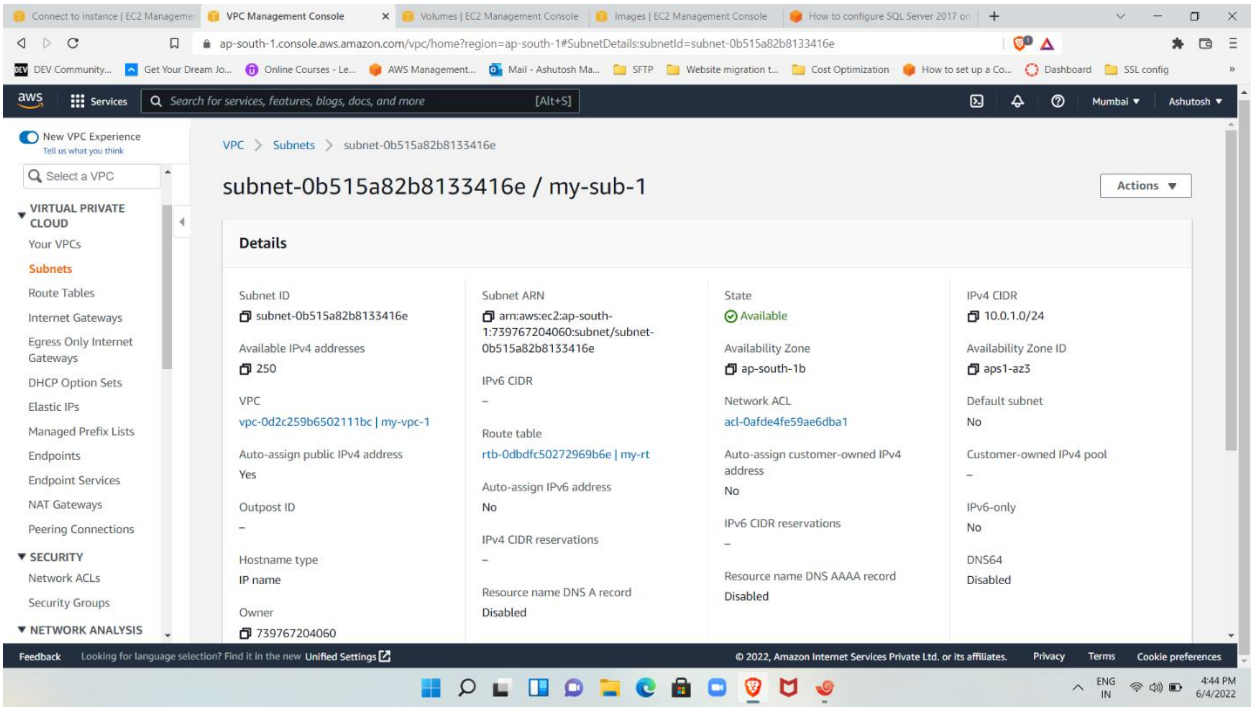
Adding 20 GB extra volume to the instance “Sql-server”



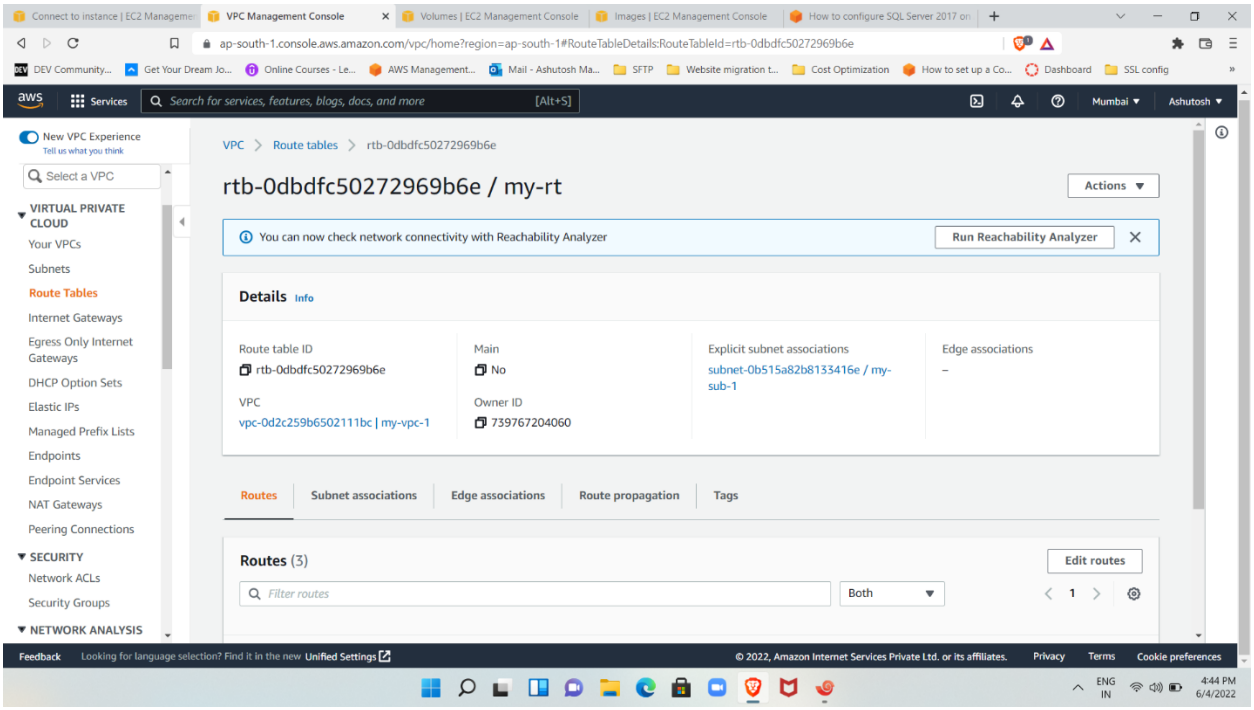
Creating Instance “Sql-server”



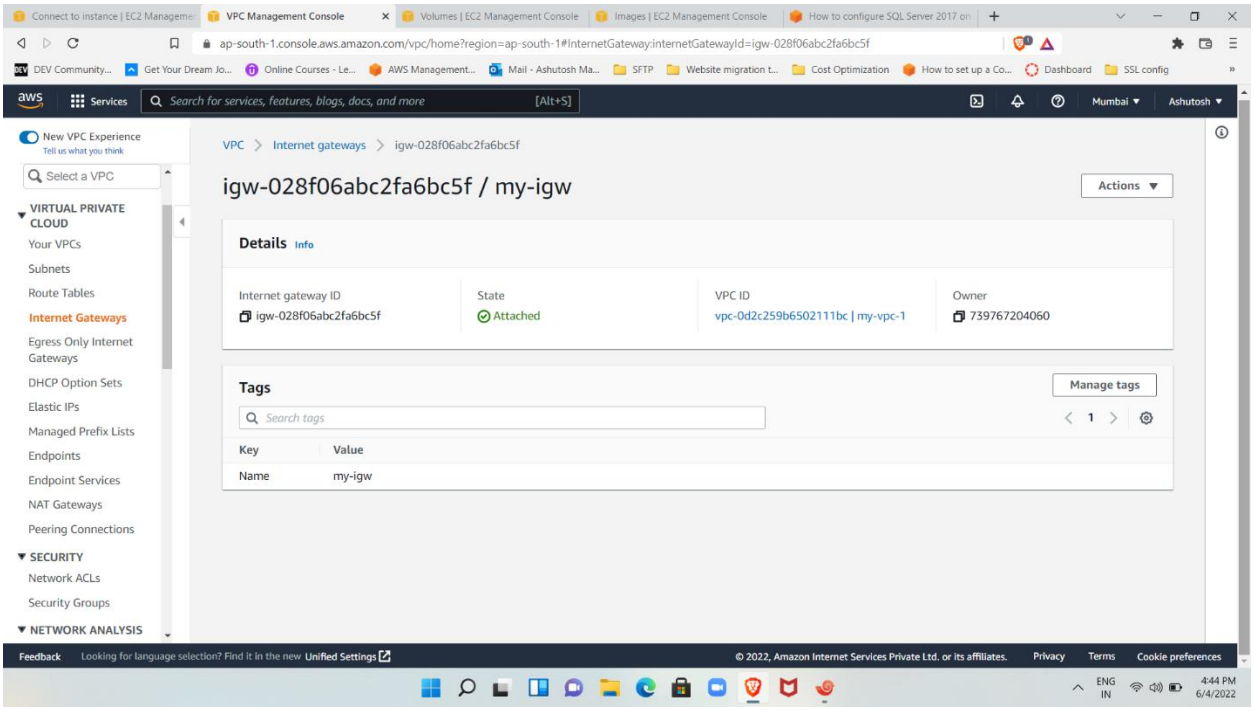
Subnet Creation:



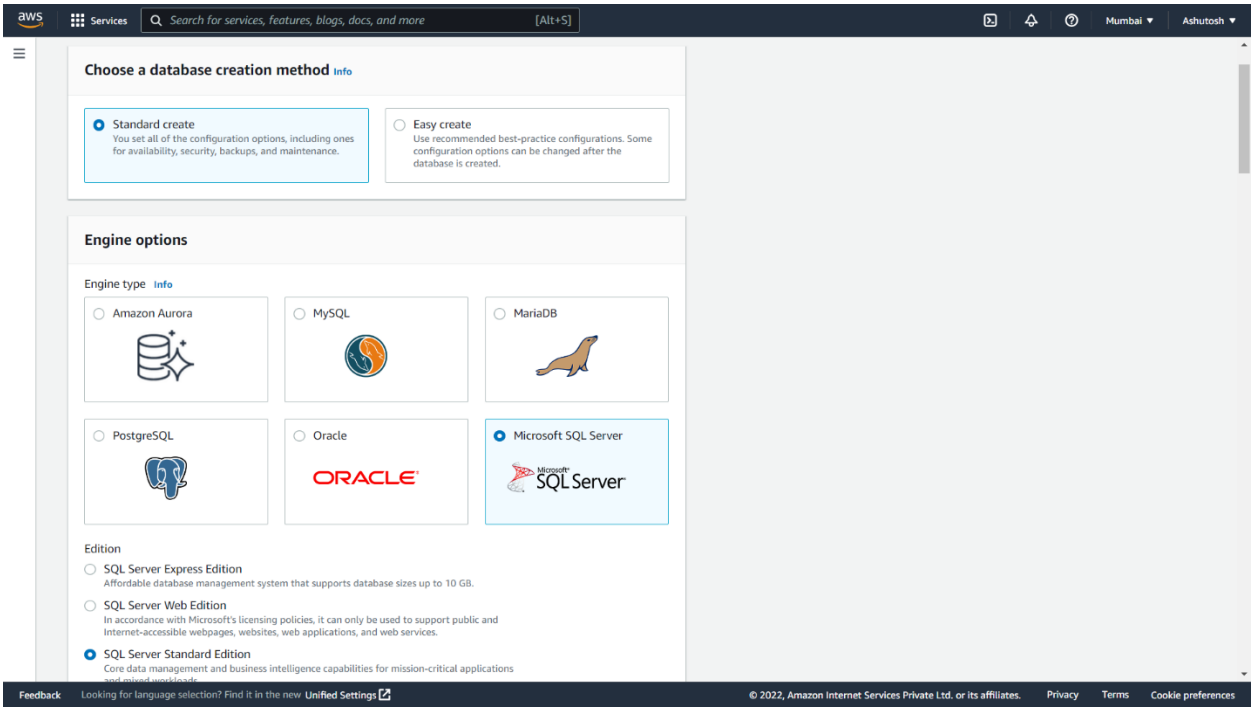
Route Table defined:

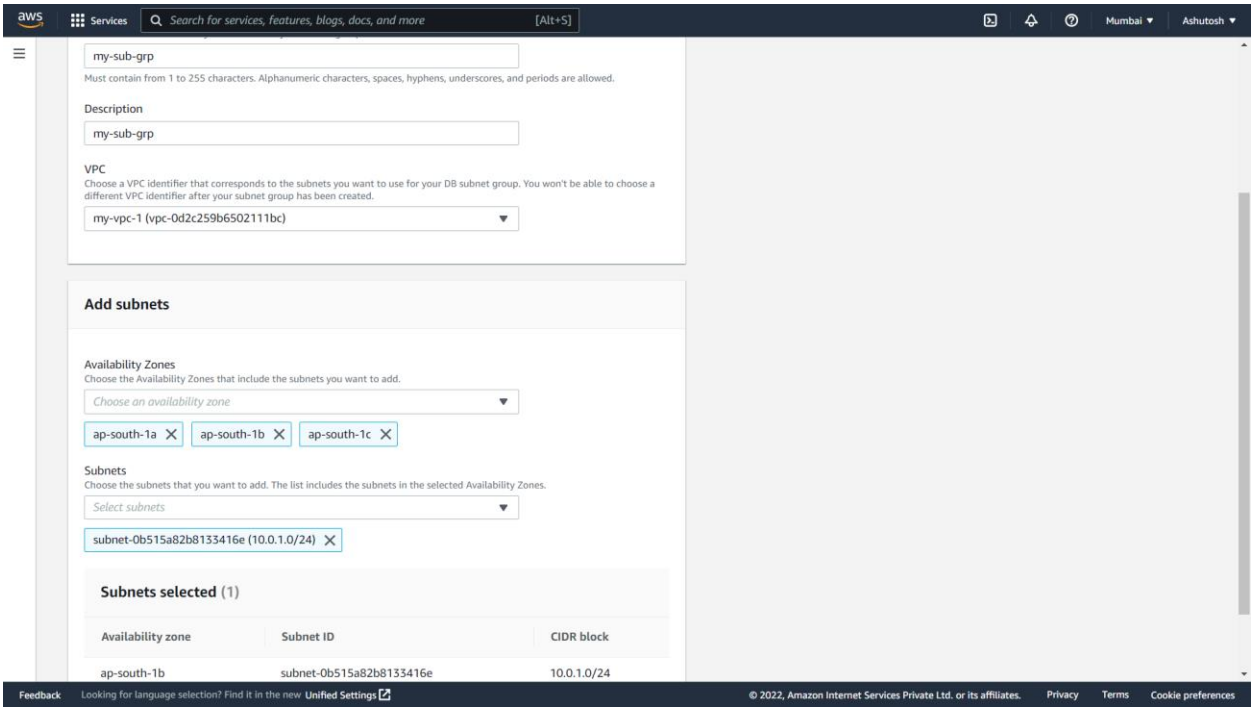


Internet Gateway attached:

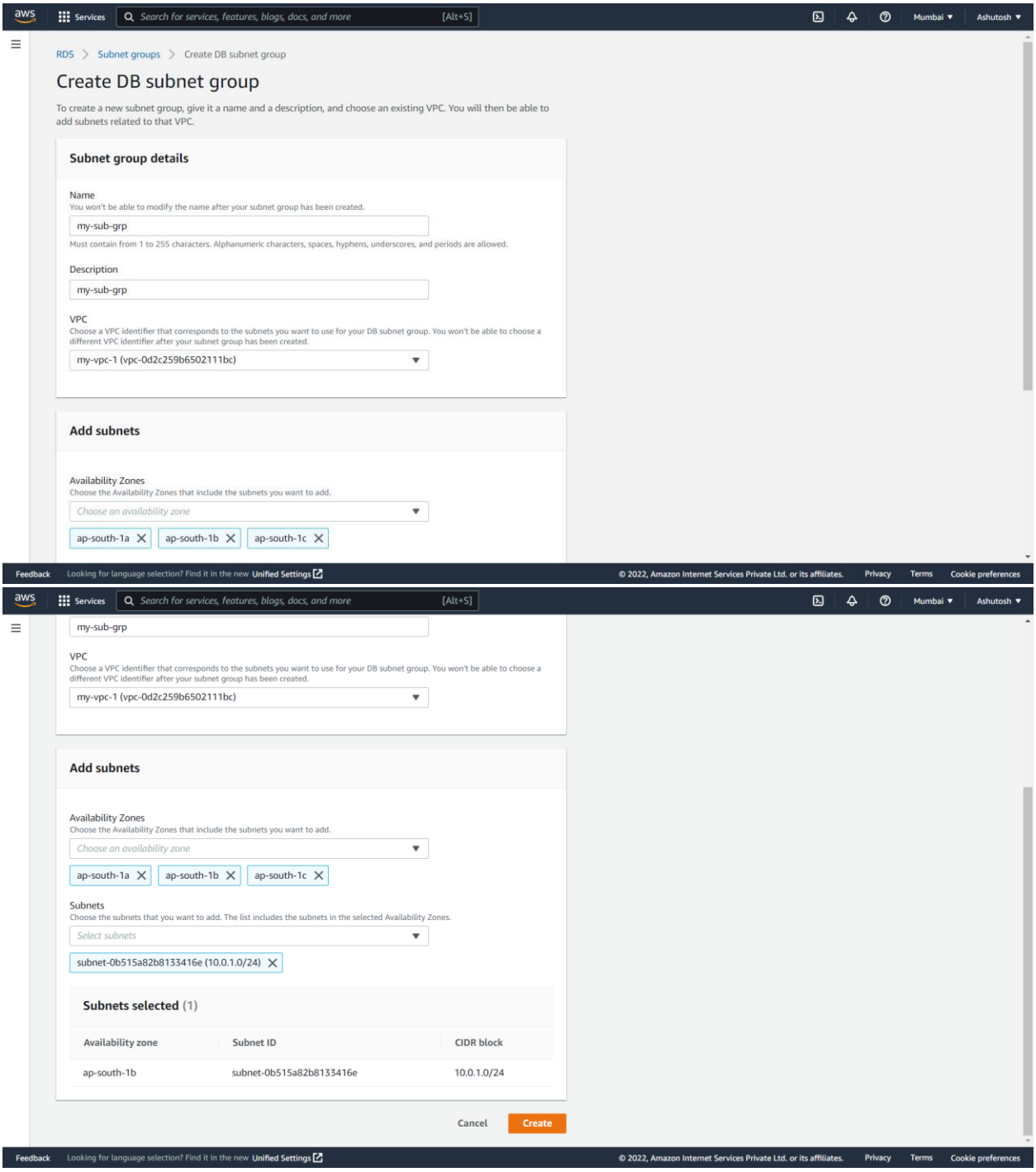


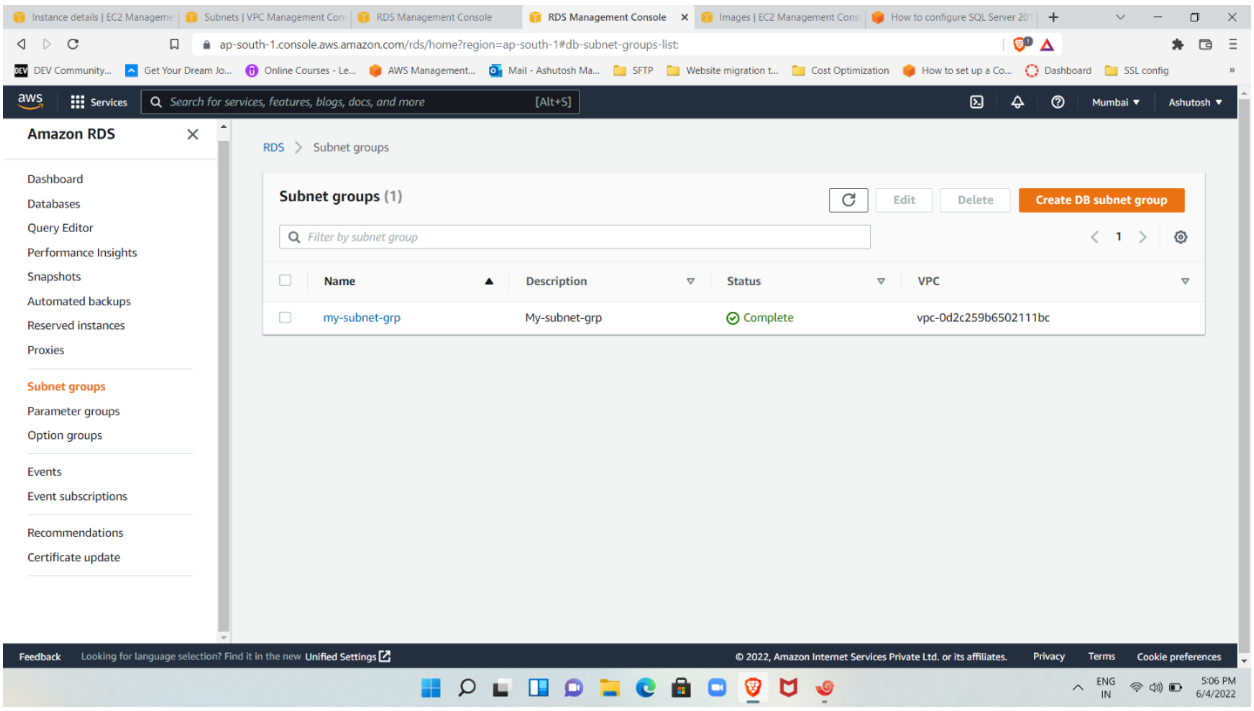
Creation Of Database using RDS:



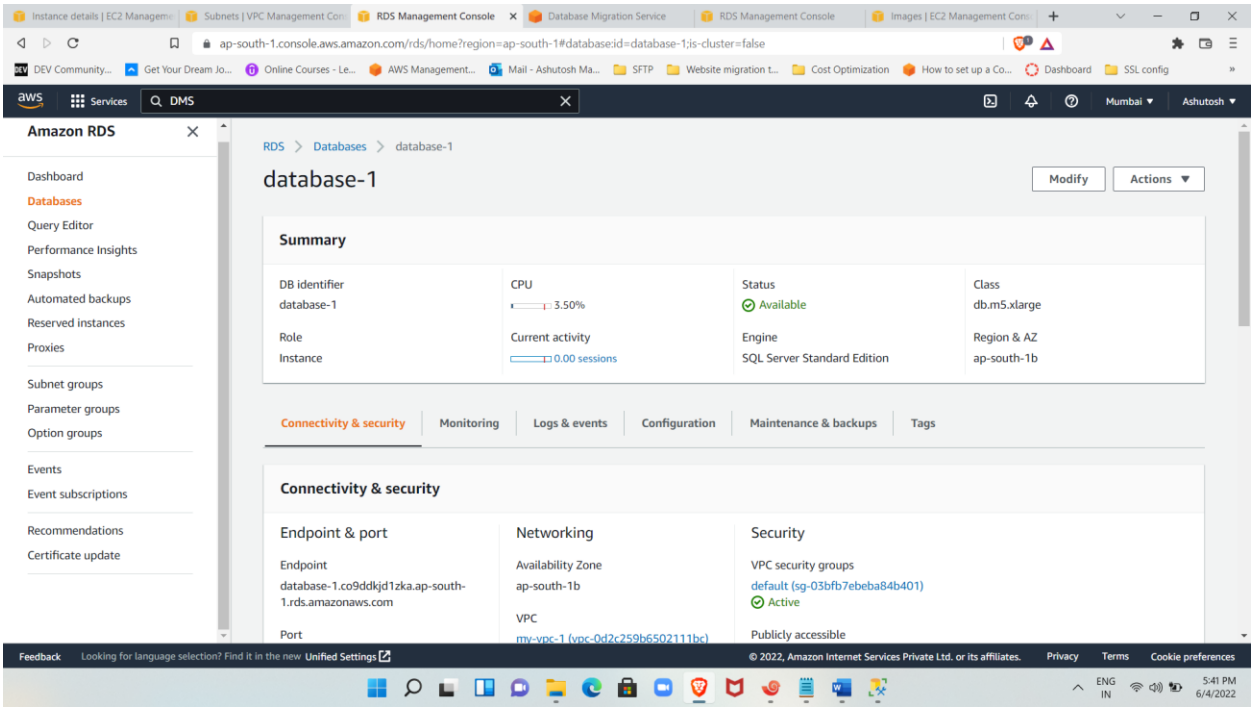


Creation Of subnet Group:

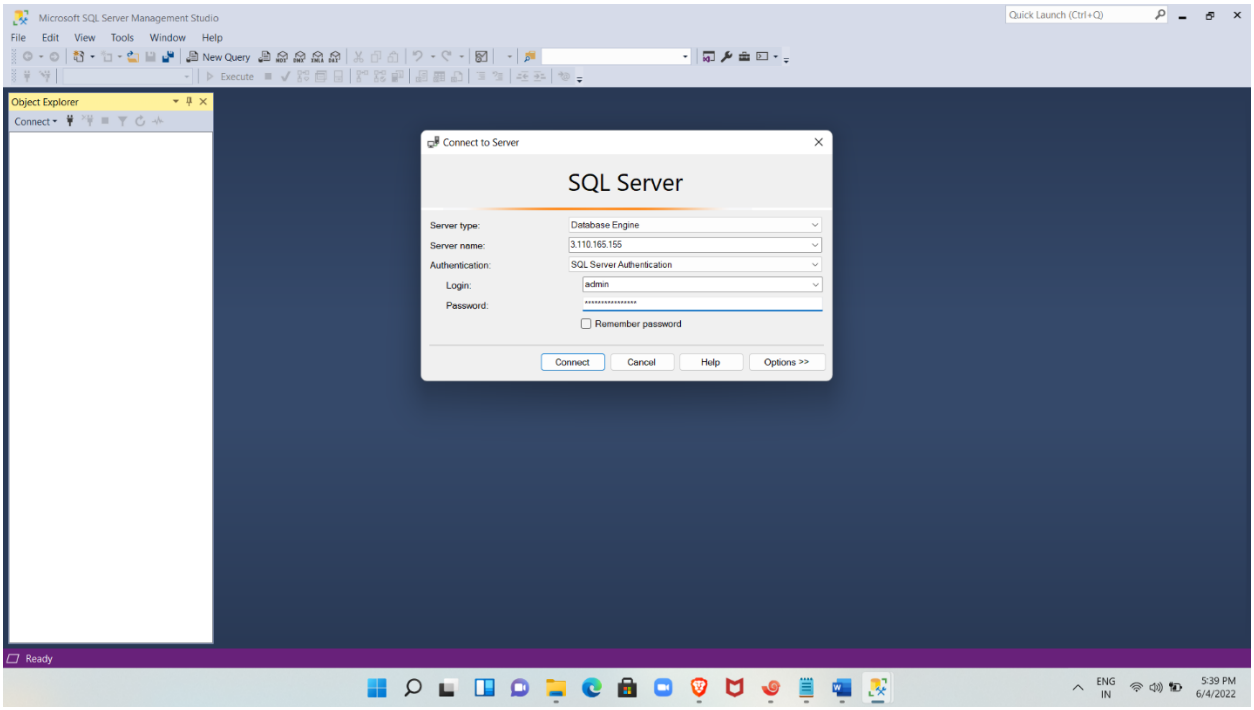


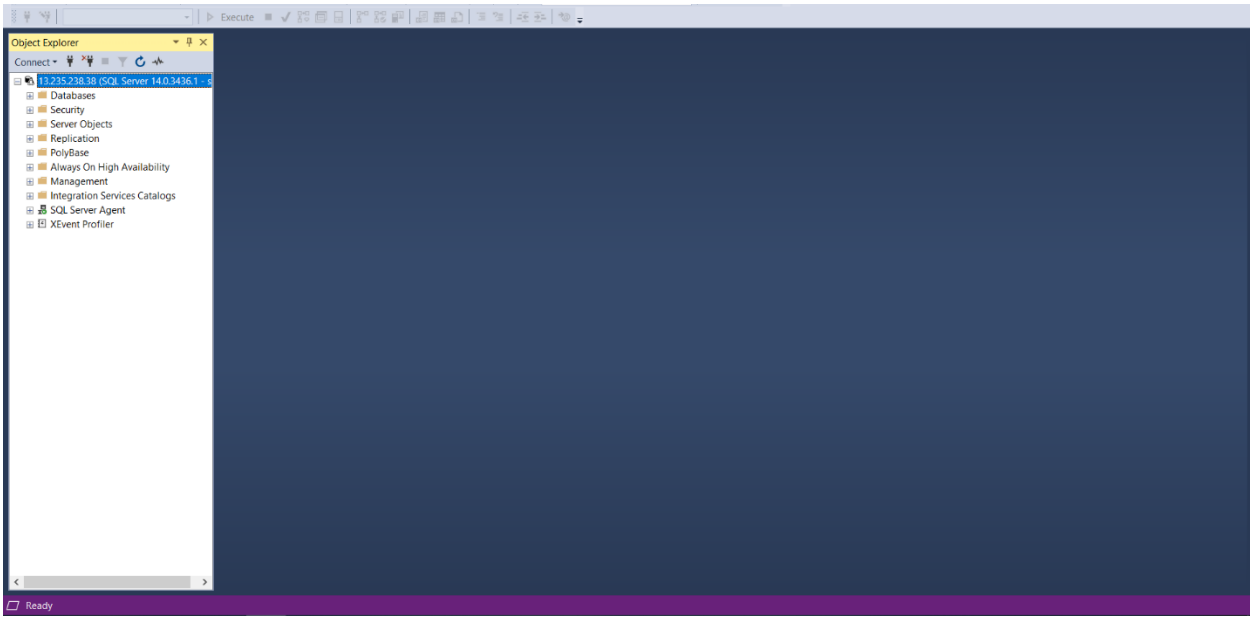


Database Created successfully:

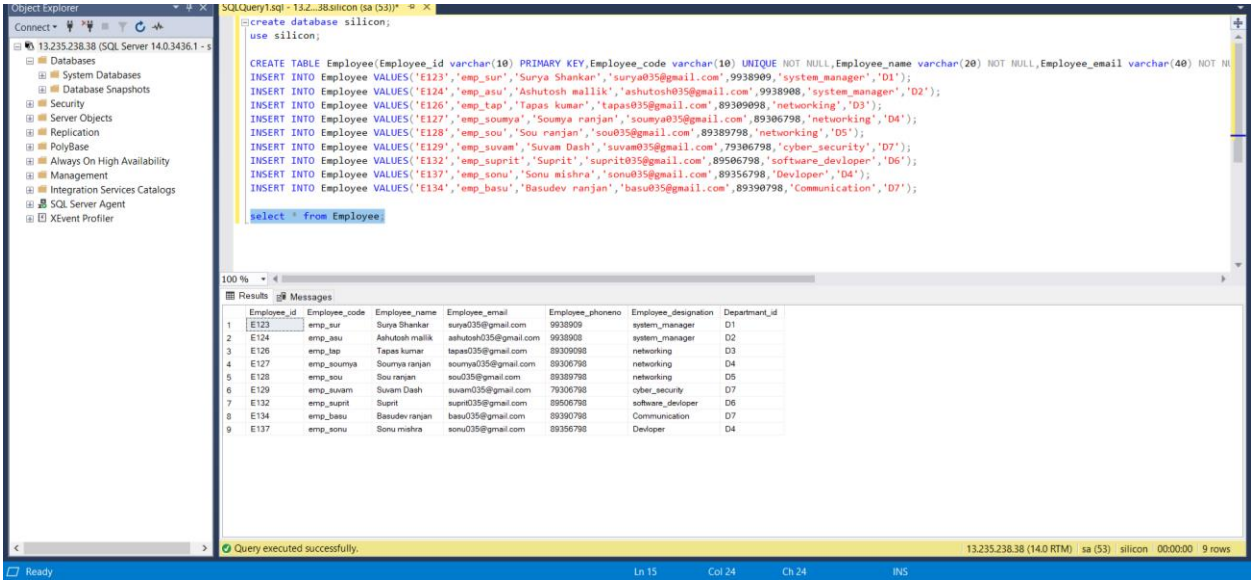


Connecting Instance via MSsql client

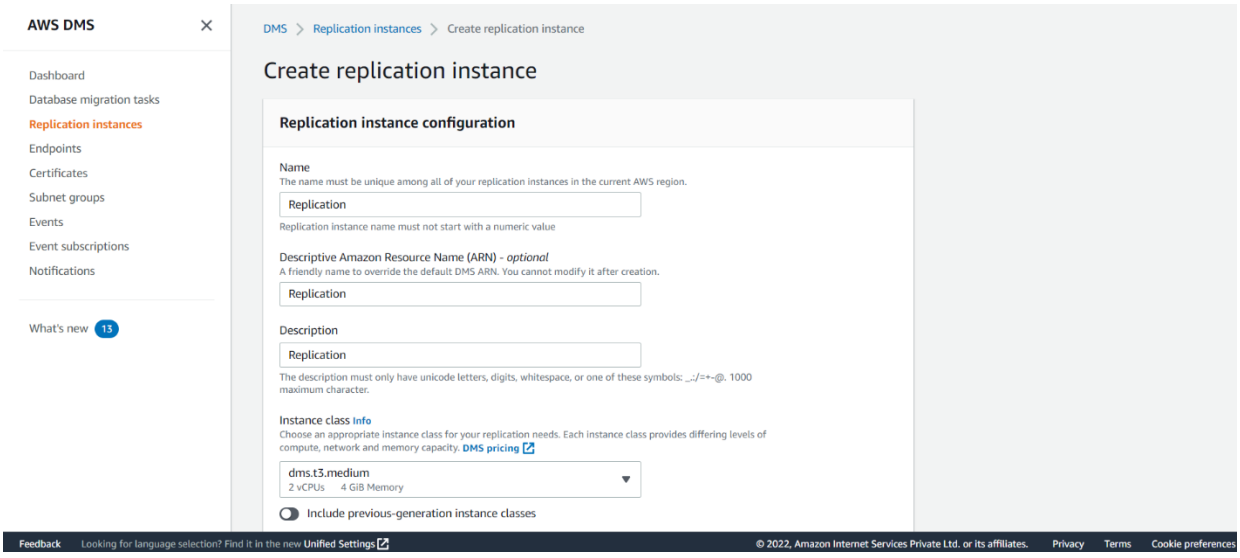


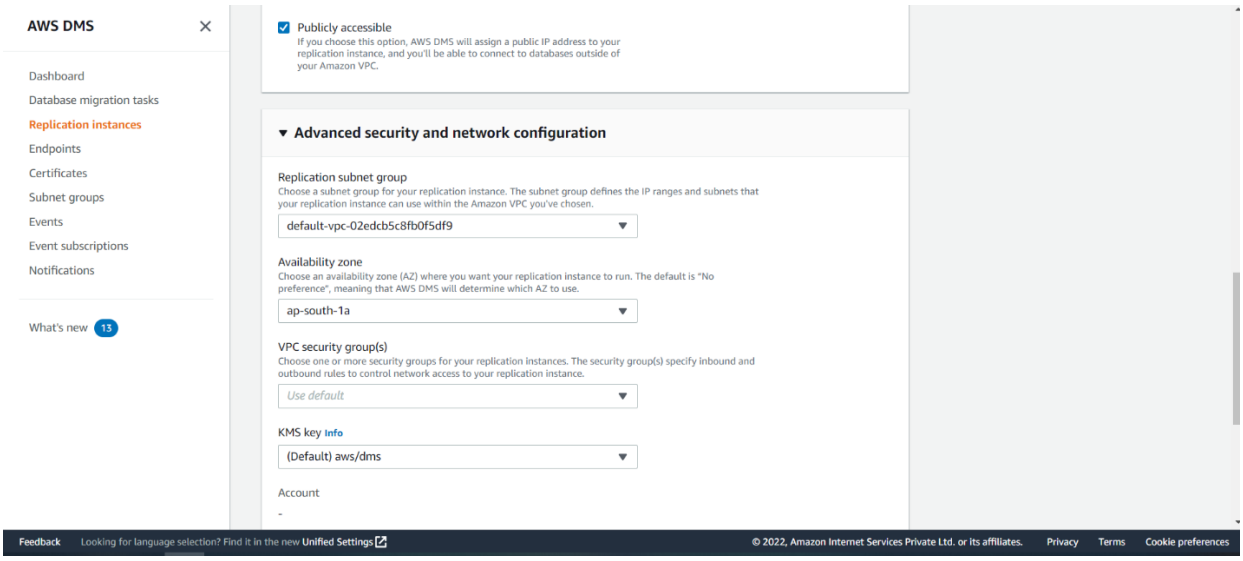


Insertion of data via sql queries:



Create Replication Instance:




AWS DMS
Dashboard
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Publicly accessible
If you choose this option, AWS DMS will assign a public IP address to your replication instance, and you'll be able to connect to databases outside of your Amazon VPC.
Advanced security and network configuration
Replication subnet group
Choose a subnet group for your replication instance. The subnet group defines the IP ranges and subnets that your replication instance can use within the Amazon VPC you've chosen.
default-vpc-02edcb5c8fb0f5df9
Availability zone
Choose an availability zone (AZ) where you want your replication instance to run. The default is "No preference", meaning that AWS DMS will determine which AZ to use.
ap-south-1a
VPC security group(s)
Choose one or more security groups for your replication instances. The security group(s) specify inbound and outbound rules to control network access to your replication instance.
Use default
KMS key Info
(Default) aws/dms
Account
-
Feedback
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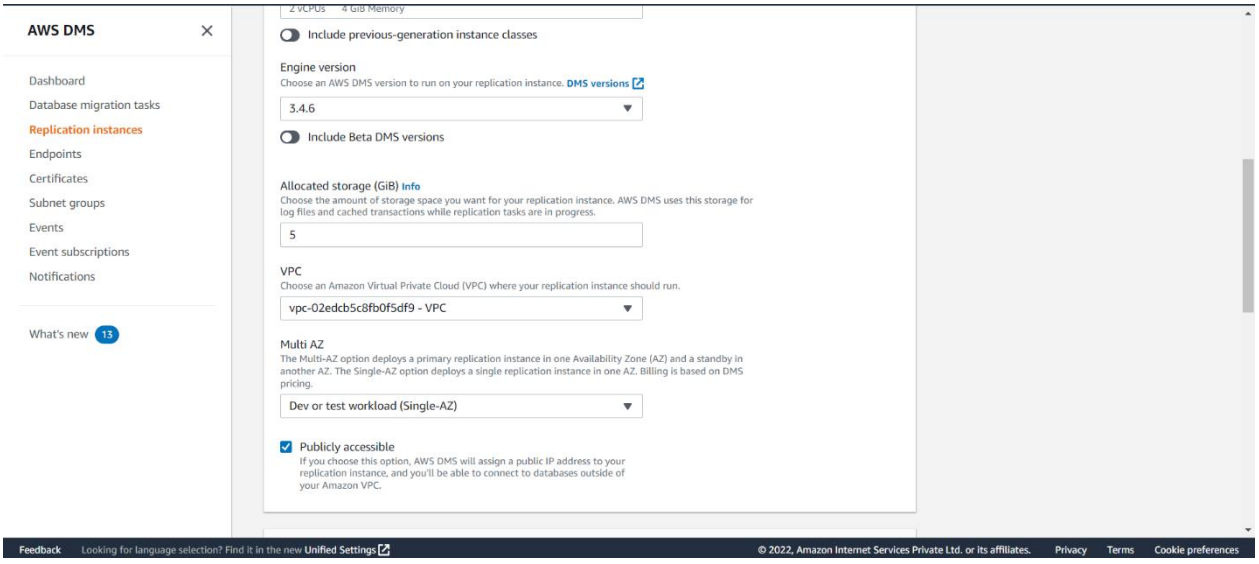
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2 vCPUs 4 GiB Memory
Include previous-generation instance classes
Engine version
Choose an AWS DMS version to run on your replication instance. DMS versions
3.4.6
Include Beta DMS versions
Allocated storage (GiB) Info
Choose the amount of storage space you want for your replication instance. AWS DMS uses this storage for log files and cached transactions while replication tasks are in progress.
5
VPC
Choose an Amazon Virtual Private Cloud (VPC) where your replication instance should run.
vpc-02edcb5c8fb0f5df9 - VPC
Multi AZ
The Multi-AZ option deploys a primary replication instance in one Availability Zone (AZ) and a standby in another AZ. The Single-AZ option deploys a single replication instance in one AZ. Billing is based on DMS pricing.
Dev or test workload (Single-AZ)
Publicly accessible
If you choose this option, AWS DMS will assign a public IP address to your replication instance, and you'll be able to connect to databases outside of your Amazon VPC.
Feedback
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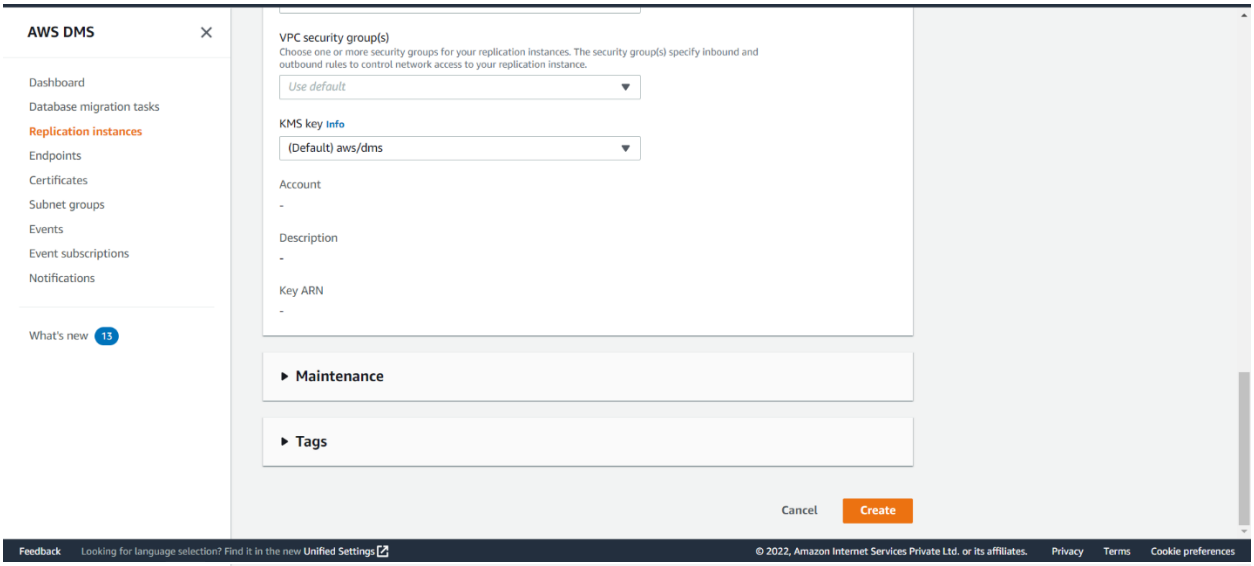
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VPC security group(s)
Choose one or more security groups for your replication instances. The security group(s) specify inbound and outbound rules to control network access to your replication instance.
Use default
KMS key Info
(Default) aws/dms
Account
-
Description
-
Key ARN
-
Maintenance
Tags
Cancel
Create
Feedback
Looking for language selection? Find it in the new Unified Settings
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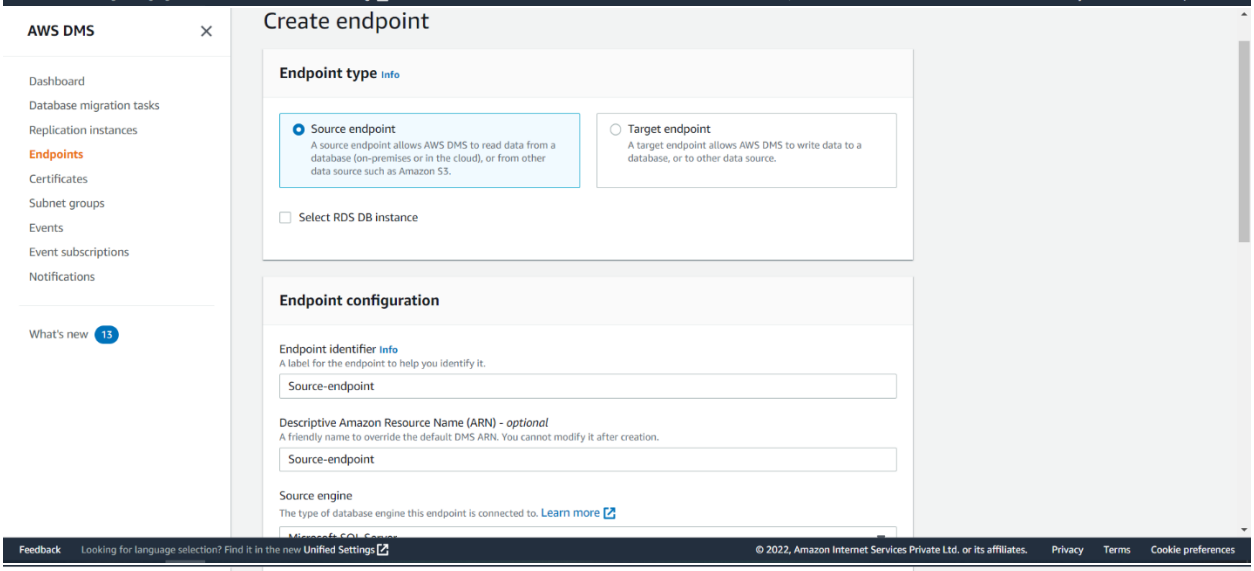
AWS DMS
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What's new 13
Create endpoint
Endpoint type Info
Source endpoint
A source endpoint allows AWS DMS to read data from a database (on-premises or in the cloud), or from other data source such as Amazon S3.
Target endpoint
A target endpoint allows AWS DMS to write data to a database, or to other data source.
Select RDS DB instance
Endpoint configuration
Endpoint identifier Info
A label for the endpoint to help you identify it.
Source-endpoint
Descriptive Amazon Resource Name (ARN) - optional
A friendly name to override the default DMS ARN. You cannot modify it after creation.
Source-endpoint
Source engine
The type of database engine this endpoint is connected to. Learn more
Feedback
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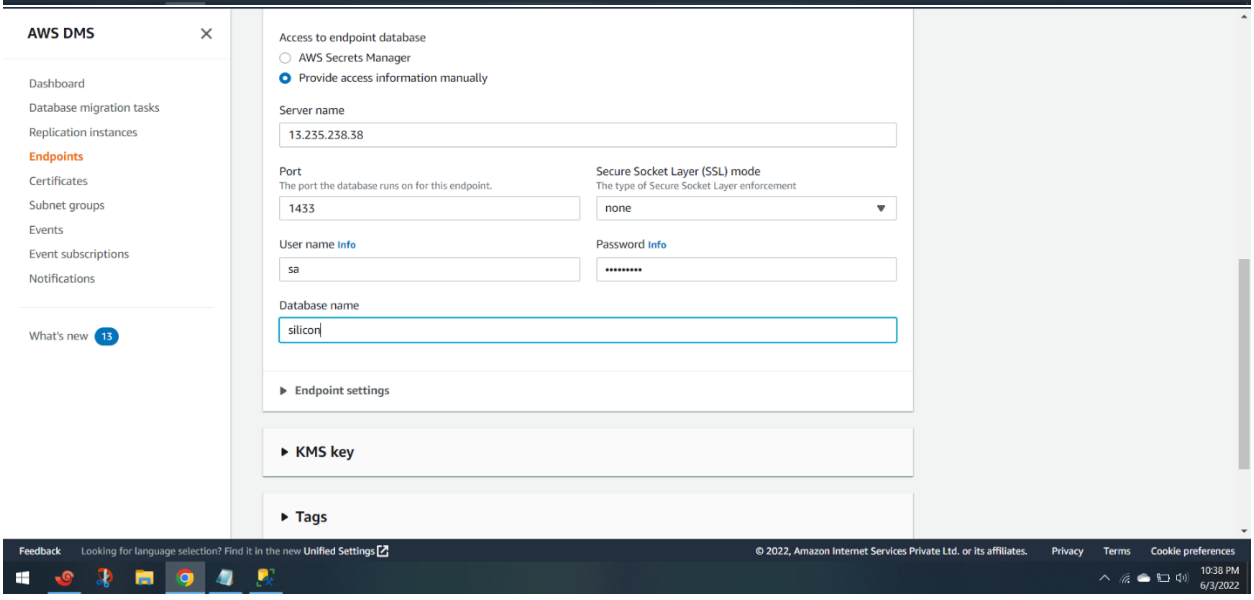
AWS DMS
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What's new 13
Access to endpoint database
AWS Secrets Manager
Provide access information manually
Server name
13.235.238.38
Port
The port the database runs on for this endpoint.
1433
Secure Socket Layer (SSL) mode
The type of Secure Socket Layer enforcement
none
User name Info
sa
Password Info
Database name
silicon
Endpoint settings
KMS key
Tags
Feedback
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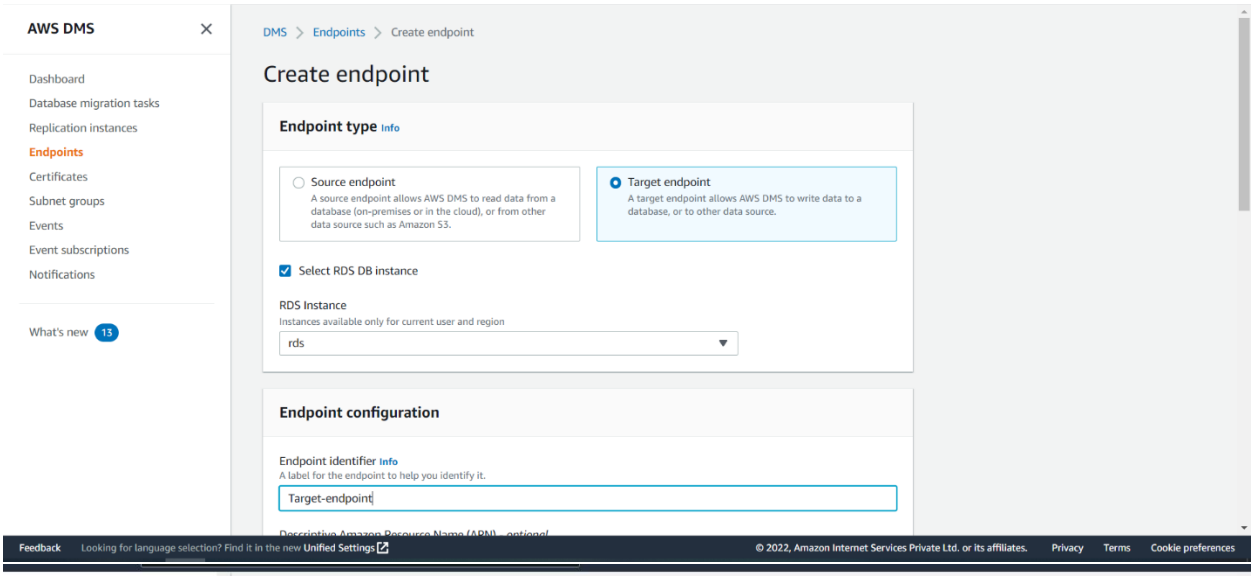
10:38 PM
6/3/2022


AWS DMS
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DMS > Endpoints > Create endpoint
Create endpoint
Endpoint type Info
Source endpoint
A source endpoint allows AWS DMS to read data from a database (on-premises or in the cloud), or from other data source such as Amazon S3.
Target endpoint
A target endpoint allows AWS DMS to write data to a database, or to other data source.
Select RDS DB instance
RDS Instance
Instances available only for current user and region
rds
Endpoint configuration
Endpoint identifier Info
A label for the endpoint to help you identify it.
Target-endpoint
Feedback
Looking for language selection? Find it in the new Unified Settings
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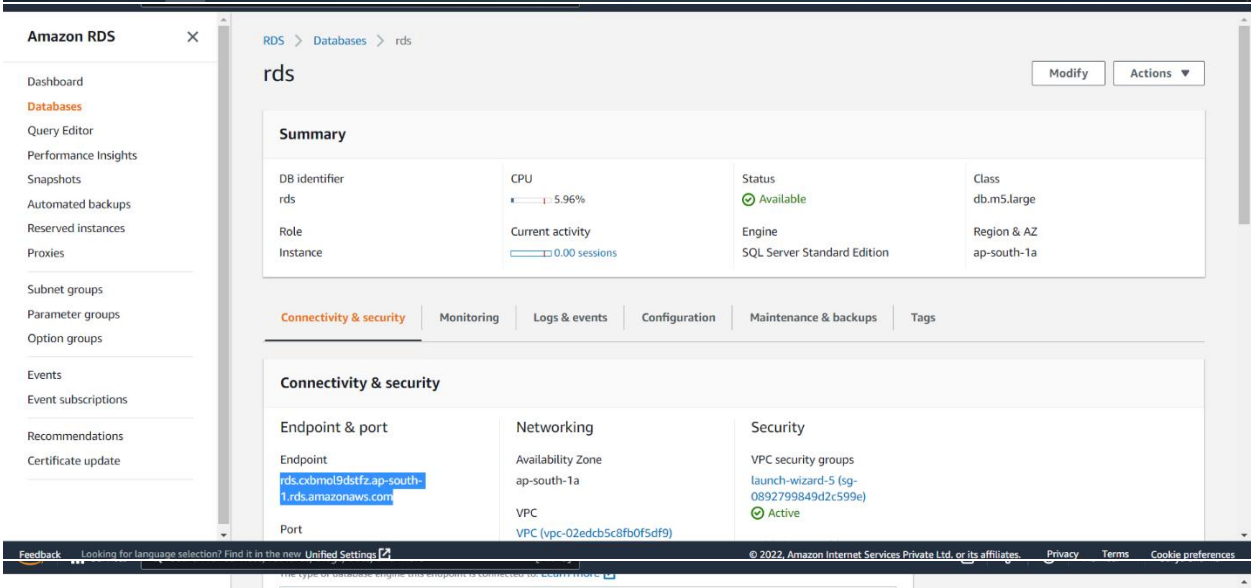
Amazon RDS
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Databases
Query Editor
Performance Insights
Snapshots
Automated backups
Reserved instances
Proxies
Subnet groups
Parameter groups
Option groups
Events
Event subscriptions
Recommendations
Certificate update
RDS > Databases > rds
rds
Modify
Actions
Summary
DB identifier
rds
CPU
5.96%
Status
Available
Class
db.m5.large
Role
Instance
Current activity
0.00 sessions
Engine
SQL Server Standard Edition
Region & AZ
ap-south-1a
Connectivity & security
Monitoring
Logs & events
Configuration
Maintenance & backups
Tags
Connectivity & security
Endpoint & port
Endpoint
rds.cxbmol9dstfz.ap-south-1.rds.amazonaws.com
Port
Networking
Availability Zone
ap-south-1a
VPC
VPC (vpc-02edcb5c8fb0f5df9)
Security
VPC security groups
launch-wizard-5 (sg-0892799849d2c599e)
Active
Feedback
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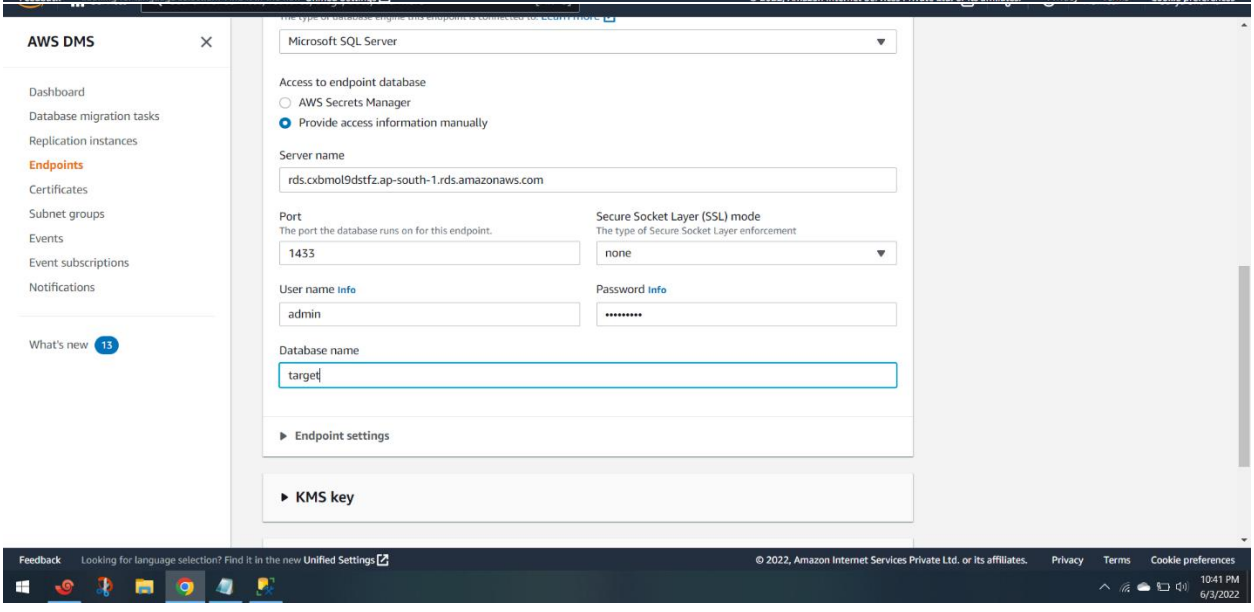
AWS DMS
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What's new 13
Microsoft SQL Server
Access to endpoint database
AWS Secrets Manager
Provide access information manually
Server name
rds.cxbmol9dstfz.ap-south-1.rds.amazonaws.com
Port
The port the database runs on for this endpoint.
1433
Secure Socket Layer (SSL) mode
The type of Secure Socket Layer enforcement
none
User name Info
admin
Password Info
Database name
target
Endpoint settings
KMS key
Feedback
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10:41 PM
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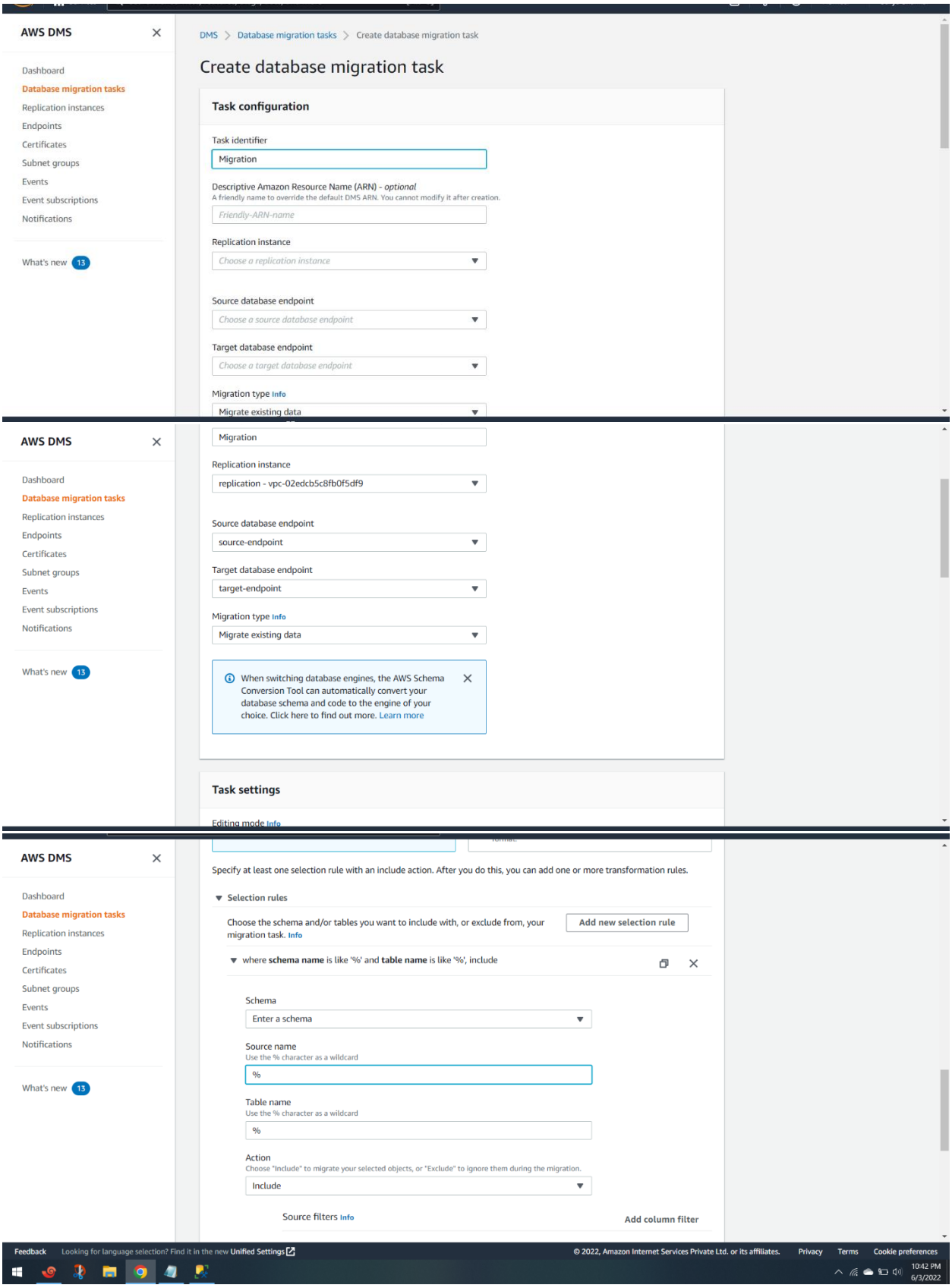
AWS DMS
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DMS > Database migration tasks > Create database migration task
Create database migration task
Task configuration
Task identifier
Migration
Descriptive Amazon Resource Name (ARN) - optional
A friendly name to override the default DMS ARN. You cannot modify it after creation.
Friendly-ARN-name
Replication instance
Choose a replication instance
Source database endpoint
Choose a source database endpoint
Target database endpoint
Choose a target database endpoint
Migration type Info
Migrate existing data
Migration
Replication instance
replication - vpc-02edcb5c8fb0f5df9
Source database endpoint
source-endpoint
Target database endpoint
target-endpoint
Migration type Info
Migrate existing data
When switching database engines, the AWS Schema Conversion Tool can automatically convert your database schema and code to the engine of your choice. Click here to find out more. Learn more
Task settings
Editing mode Info
Specify at least one selection rule with an include action. After you do this, you can add one or more transformation rules.
Selection rules
Choose the schema and/or tables you want to include with, or exclude from, your migration task. Info
Add new selection rule
where schema name is like '%' and table name is like '%', include
Schema
Enter a schema
Source name
Use the % character as a wildcard
%
Table name
Use the % character as a wildcard
%
Action
Choose "Include" to migrate your selected objects, or "Exclude" to ignore them during the migration.
Include
Source filters Info
Add column filter
Feedback
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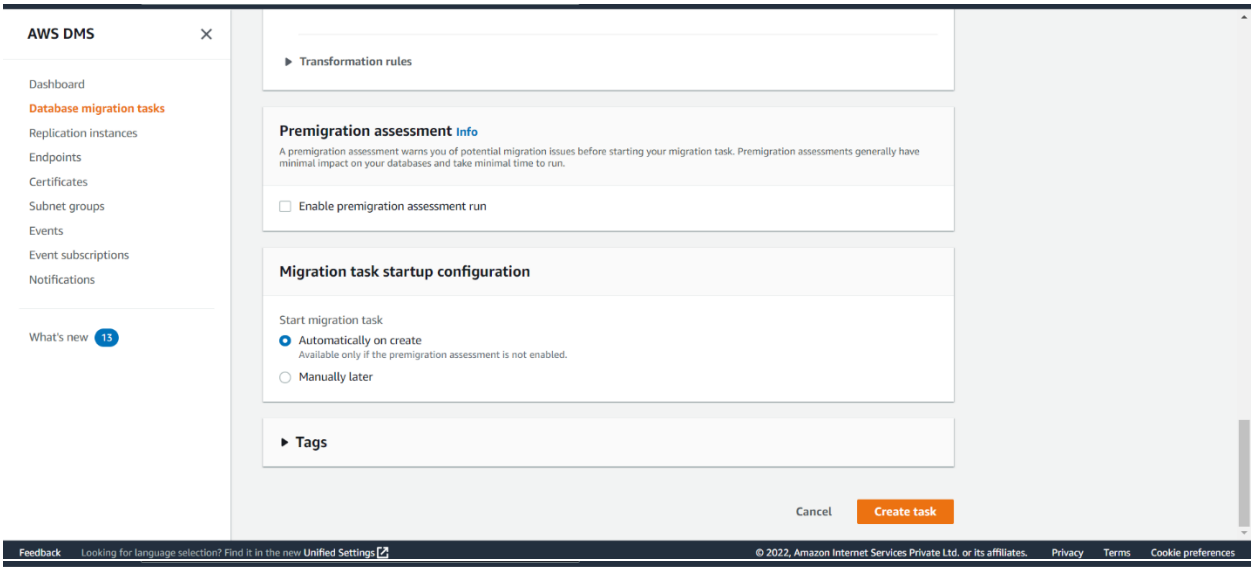
6/3/2022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Transformation rules
Premigration assessment Info
A premigration assessment warns you of potential migration issues before starting your migration task. Premigration assessments generally have minimal impact on your databases and take minimal time to run.
Enable premigration assessment run
Migration task startup configuration
Start migration task
Automatically on create
Available only if the premigration assessment is not enabled.
Manually later
Tags
Cancel
Create task
Feedback
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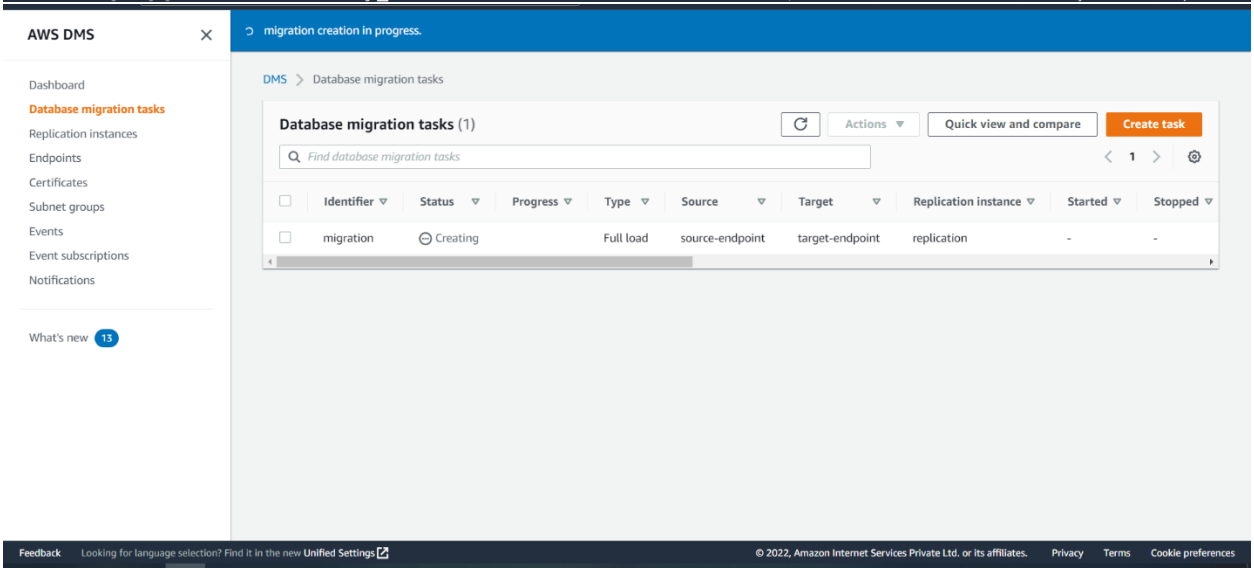
AWS DMS
migration creation in progress.
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Quick view and compare
Create task
Find database migration tasks
1
Identifier
Status
Progress
Type
Source
Target
Replication instance
Started
Stopped
migration
Creating
Full load
source-endpoint
target-endpoint
replication
-
-
Feedback
Looking for language selection? Find it in the new Unified Settings
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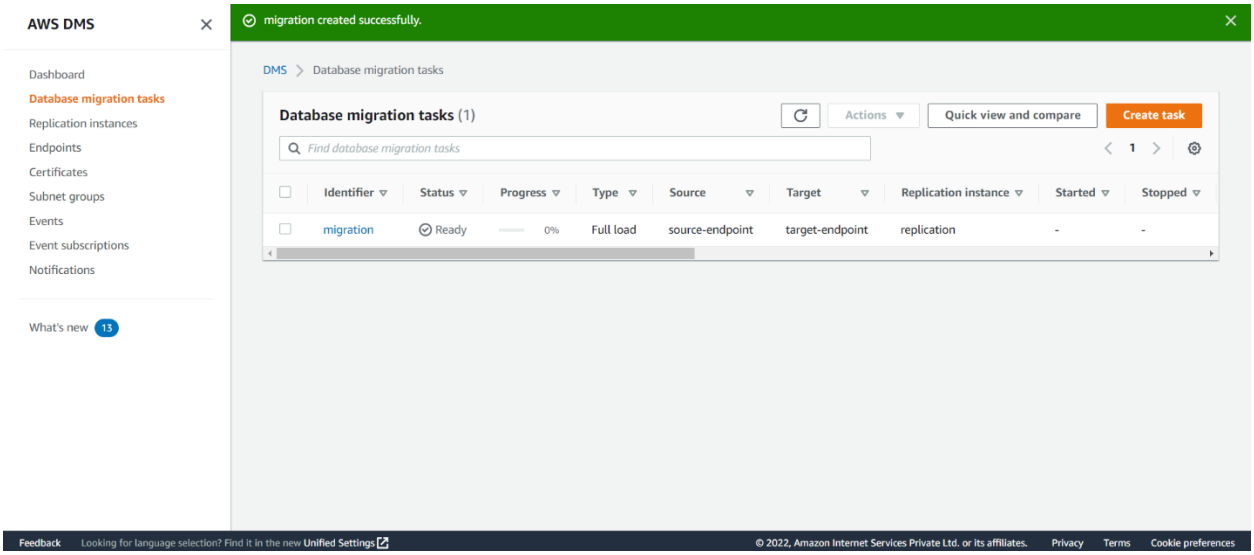
AWS DMS
migration created successfully.
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DMS > Database migration tasks
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Quick view and compare
Create task
Find database migration tasks
Identifier
Status
Progress
Type
Source
Target
Replication instance
Started
Stopped
migration
Ready
0%
Full load
source-endpoint
target-endpoint
replication
-
-
Feedback
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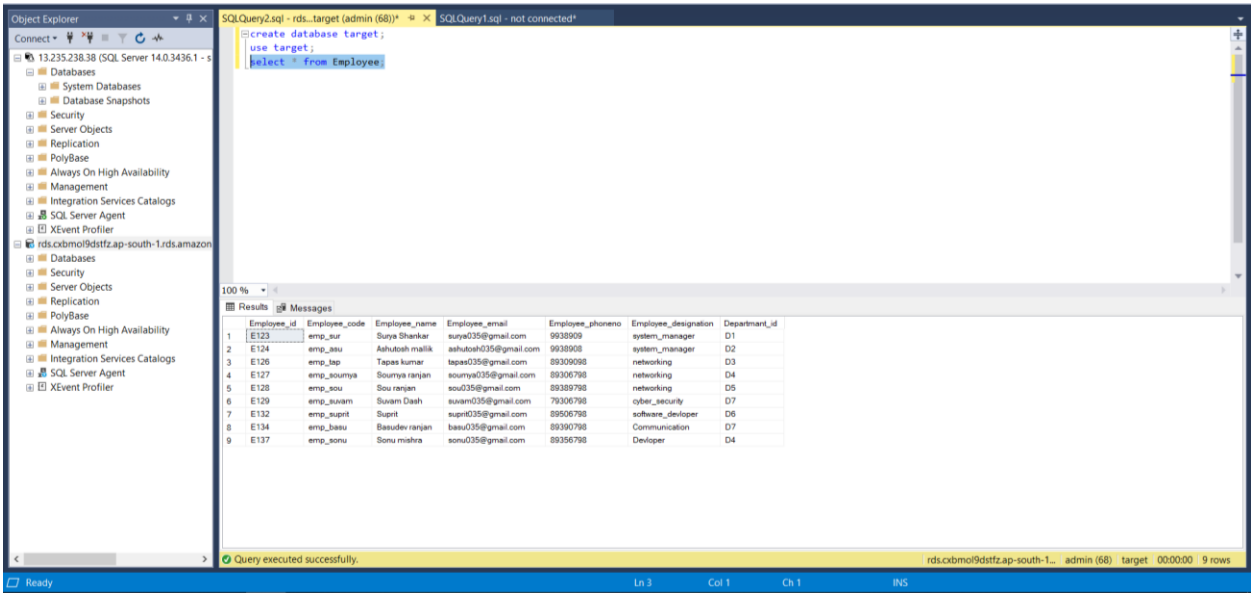
Object Explorer
Connect
13.235.238.38 (SQL Server 14.0.3436.1 - s
Databases
System Databases
Database Snapshots
Security
Server Objects
Replication
PolyBase
Always On High Availability
Management
Integration Services Catalogs
SQL Server Agent
XEvent Profiler
rds.cxbmol9dstfz.ap-south-1.rds.amazon
Databases
Security
Server Objects
Replication
PolyBase
Always On High Availability
Management
Integration Services Catalogs
SQL Server Agent
XEvent Profiler
SQLQuery2.sql - rds...target (admin (68))*
SQLQuery1.sql - not connected*
create database target;
use target;
select * from Employee;
100 %
Results
Messages
Employee_id Employee_code Employee_name Employee_email Employee_phoneno Employee_designation Department_id
1 E123 emp_sur Surya Shankar surya035@gmail.com 9938909 system_manager D1
2 E124 emp_asu Ashutosh mallik ashutosh035@gmail.com 9938908 system_manager D2
3 E126 emp_tap Tapas kumar tapas035@gmail.com 89309098 networking D3
4 E127 emp_soumya Soumya ranjan soumya035@gmail.com 89306798 networking D4
5 E128 emp_sou Sou ranjan sou035@gmail.com 89389798 networking D5
6 E129 emp_suvam Suvam Dash suvam035@gmail.com 79306798 cyber_security D7
7 E132 emp_suprit Suprit suprit035@gmail.com 89506798 software_devloper D6
8 E134 emp_basu Basudev ranjan basu035@gmail.com 89390798 Communication D7
9 E137 emp_sonu Sonu mishra sonu035@gmail.com 89356798 Devloper D4
Query executed successfully.
rds.cxbmol9dstfz.ap-south-1... admin (68) target 00:00:00 9 rows
Ready
Ln 3
Col 1
Ch 1
INS