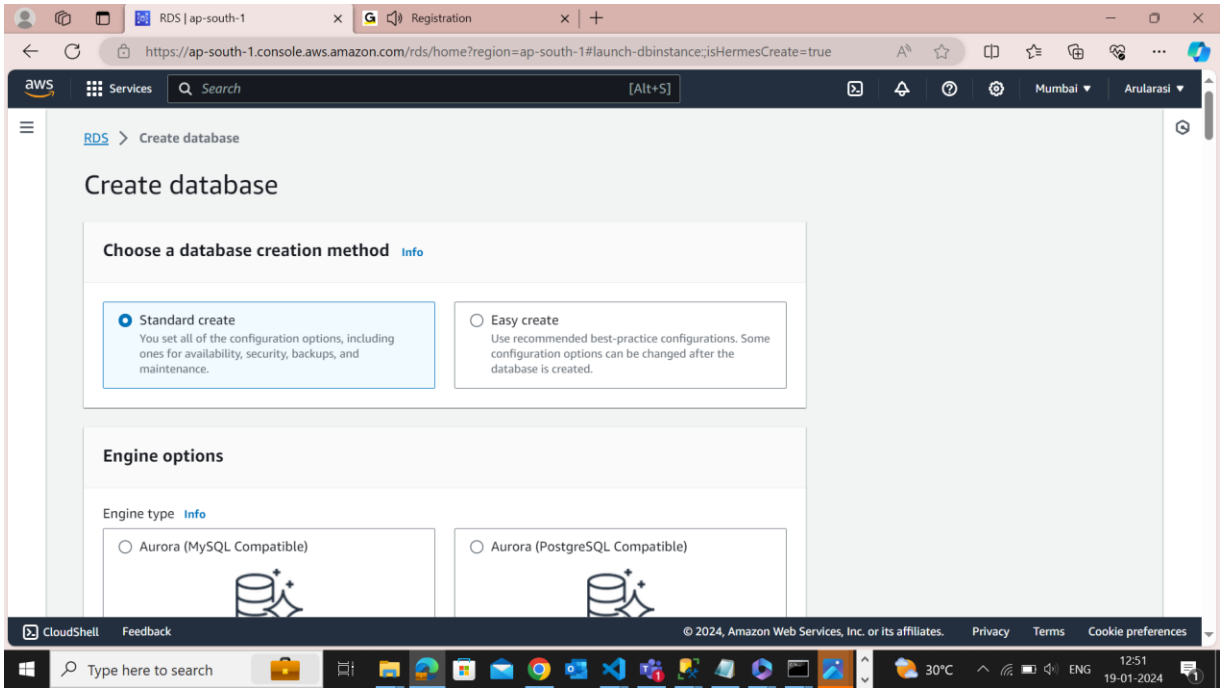
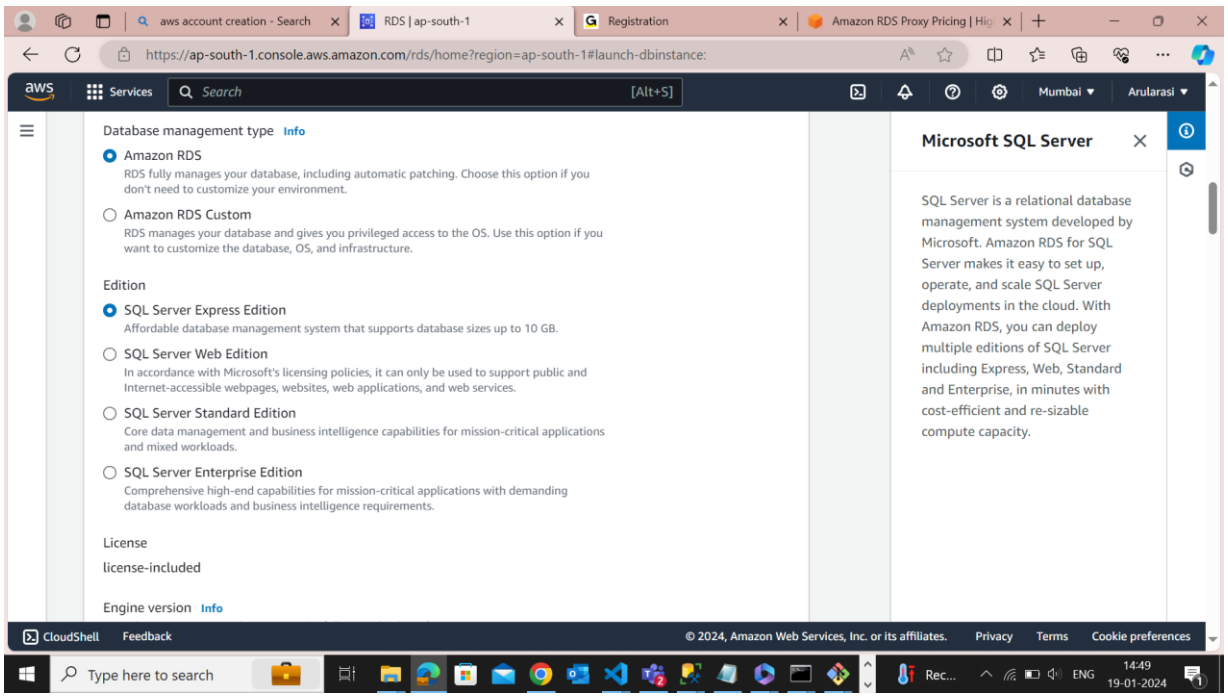
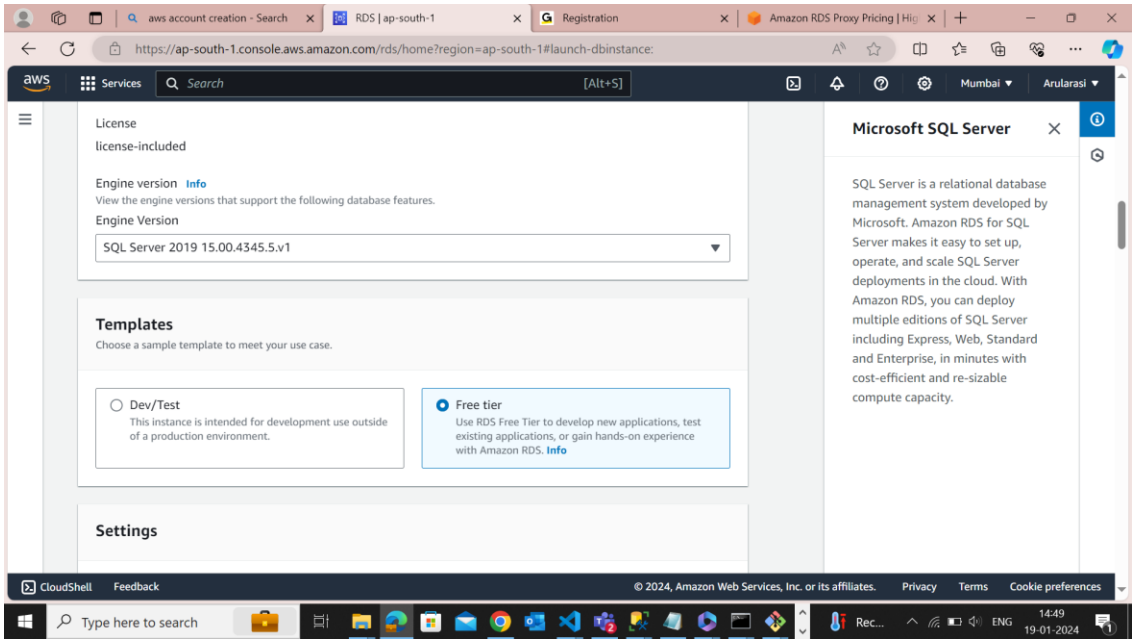
Task 3 – RDS In AWS






aws account creation - Search
RDS | ap-south-1
Registration
Amazon RDS Proxy Pricing | Hig
https://ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#launch-dbinstance:
Services
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License
license-included
Engine version Info
View the engine versions that support the following database features.
Engine Version
SQL Server 2019 15.00.4345.5.v1
Templates
Choose a sample template to meet your use case.
Dev/Test
This instance is intended for development use outside of a production environment.
Free tier
Use RDS Free Tier to develop new applications, test existing applications, or gain hands-on experience with Amazon RDS. Info
Settings
Microsoft SQL Server
SQL Server is a relational database management system developed by Microsoft. Amazon RDS for SQL Server makes it easy to set up, operate, and scale SQL Server deployments in the cloud. With Amazon RDS, you can deploy multiple editions of SQL Server including Express, Web, Standard and Enterprise, in minutes with cost-efficient and re-sizable compute capacity.
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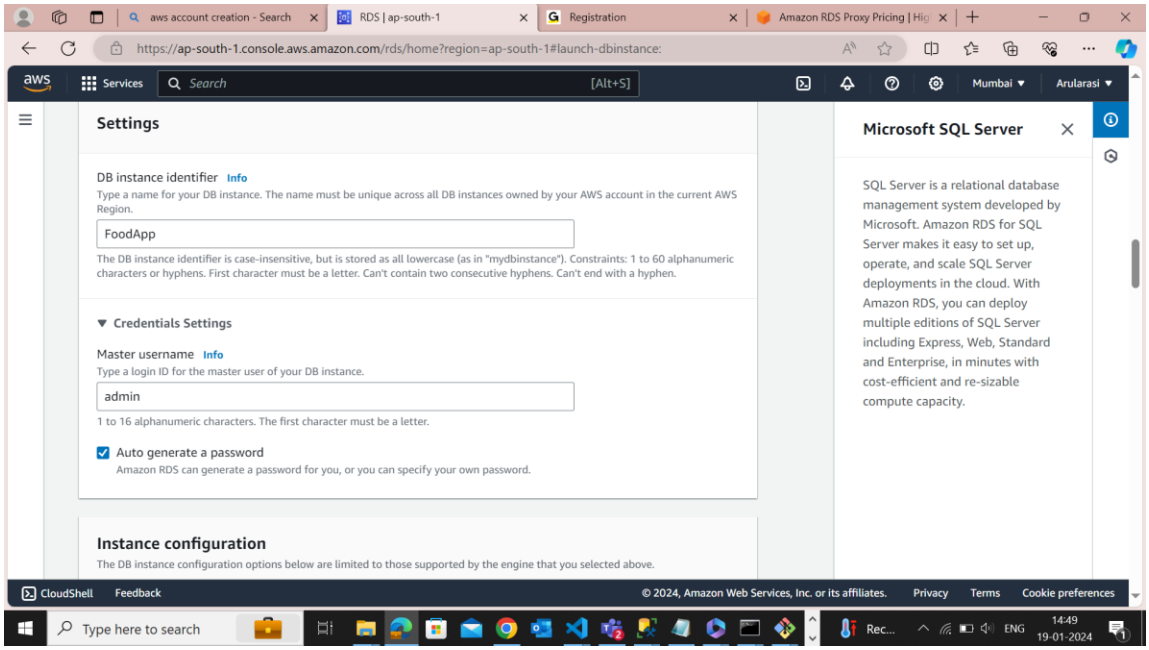
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https://ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#launch-dbinstance:
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Settings
DB instance identifier Info
Type a name for your DB instance. The name must be unique across all DB instances owned by your AWS account in the current AWS Region.
FoodApp
The DB instance identifier is case-insensitive, but is stored as all lowercase (as in "mydbinstance"). Constraints: 1 to 60 alphanumeric characters or hyphens. First character must be a letter. Can't contain two consecutive hyphens. Can't end with a hyphen.
Credentials Settings
Master username Info
Type a login ID for the master user of your DB instance.
admin
1 to 16 alphanumeric characters. The first character must be a letter.
Auto generate a password
Amazon RDS can generate a password for you, or you can specify your own password.
Instance configuration
The DB instance configuration options below are limited to those supported by the engine that you selected above.
Microsoft SQL Server
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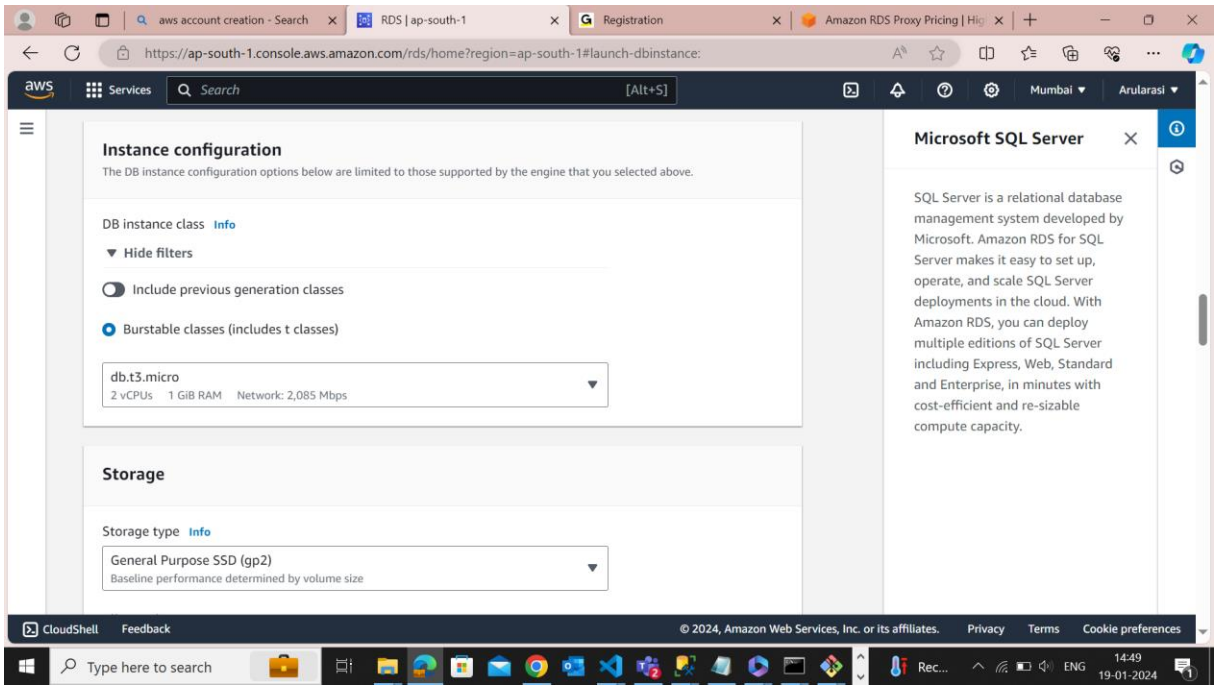
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Instance configuration
The DB instance configuration options below are limited to those supported by the engine that you selected above.
DB instance class Info
Hide filters
Include previous generation classes
Burstable classes (includes t classes)
db.t3.micro
2 vCPUs 1 GiB RAM Network: 2,085 Mbps
Storage
Storage type Info
General Purpose SSD (gp2)
Baseline performance determined by volume size
Microsoft SQL Server
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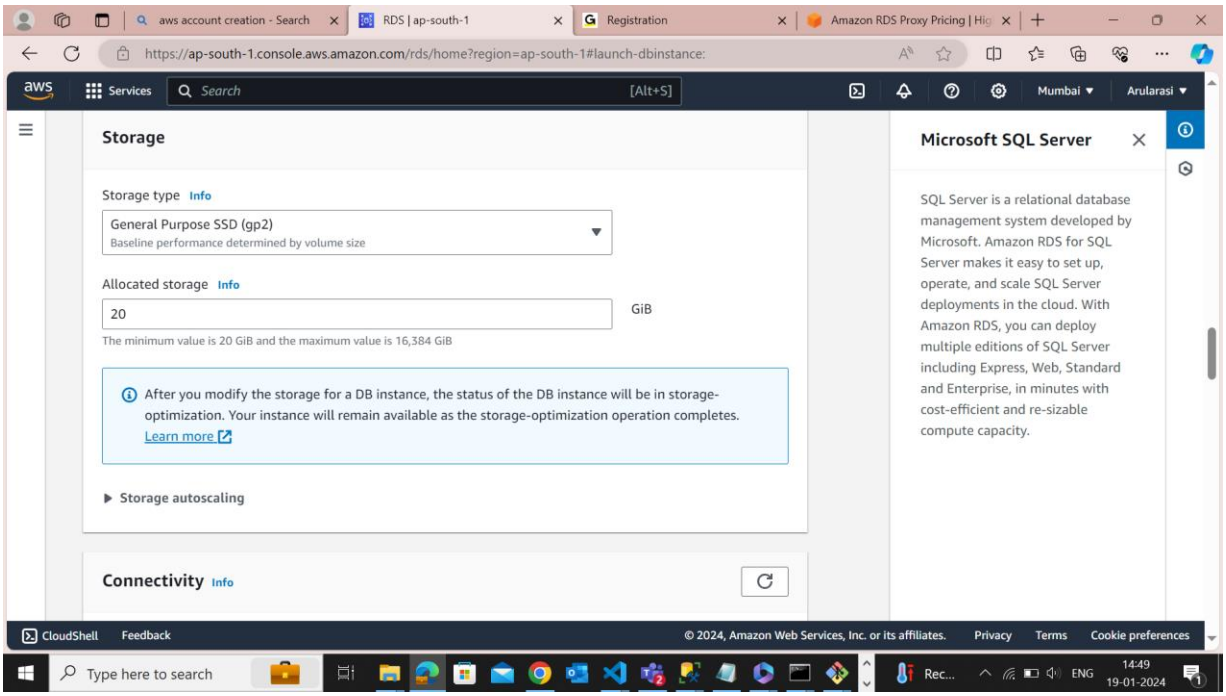
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Storage
Storage type Info
General Purpose SSD (gp2)
Baseline performance determined by volume size
Allocated storage Info
20
GiB
The minimum value is 20 GiB and the maximum value is 16,384 GiB
After you modify the storage for a DB instance, the status of the DB instance will be in storage-optimization. Your instance will remain available as the storage-optimization operation completes.
Learn more
Storage autoscaling
Connectivity Info
Microsoft SQL Server
SQL Server is a relational database management system developed by Microsoft. Amazon RDS for SQL Server makes it easy to set up, operate, and scale SQL Server deployments in the cloud. With Amazon RDS, you can deploy multiple editions of SQL Server including Express, Web, Standard and Enterprise, in minutes with cost-efficient and re-sizable compute capacity.
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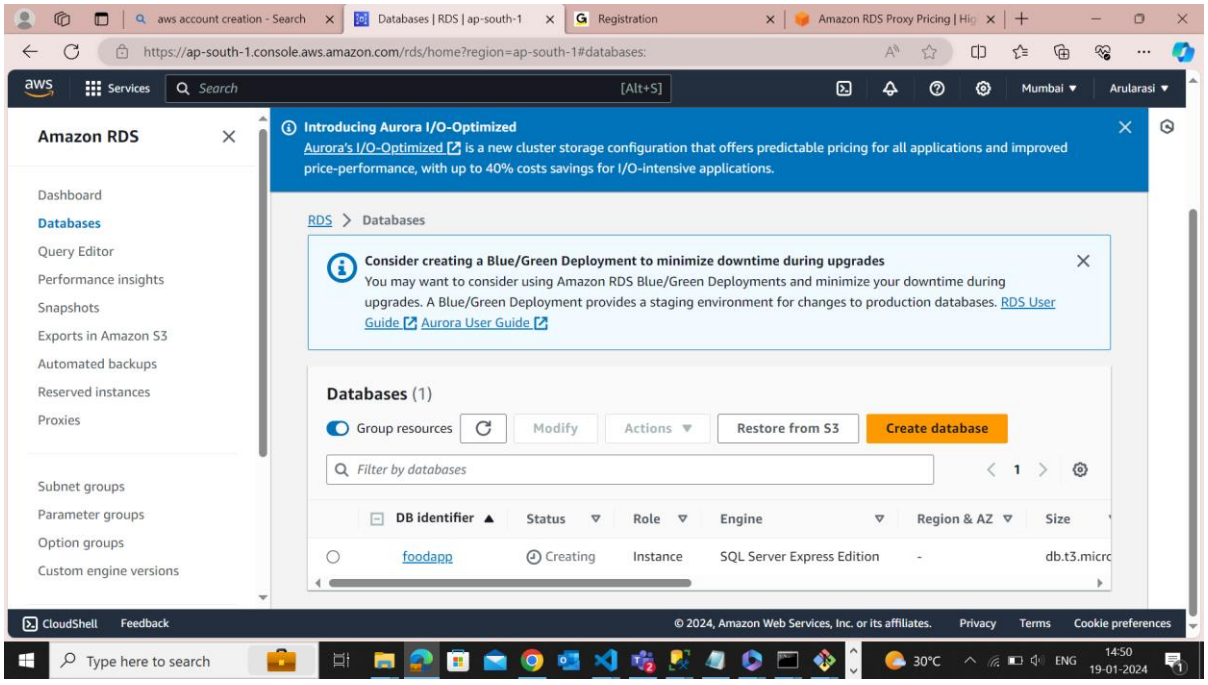
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Databases
Query Editor
Performance insights
Snapshots
Exports in Amazon S3
Automated backups
Reserved instances
Proxies
Subnet groups
Parameter groups
Option groups
Custom engine versions
Introducing Aurora I/O-Optimized
Aurora's I/O-Optimized is a new cluster storage configuration that offers predictable pricing for all applications and improved price-performance, with up to 40% costs savings for I/O-intensive applications.
RDS > Databases
Consider creating a Blue/Green Deployment to minimize downtime during upgrades
You may want to consider using Amazon RDS Blue/Green Deployments and minimize your downtime during upgrades. A Blue/Green Deployment provides a staging environment for changes to production databases. RDS User Guide Aurora User Guide
Databases (1)
Group resources
Modify
Actions
Restore from S3
Create database
Filter by databases
DB identifier
Status
Role
Engine
Region & AZ
Size
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Creating
Instance
SQL Server Express Edition
-
db.t3.micro
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