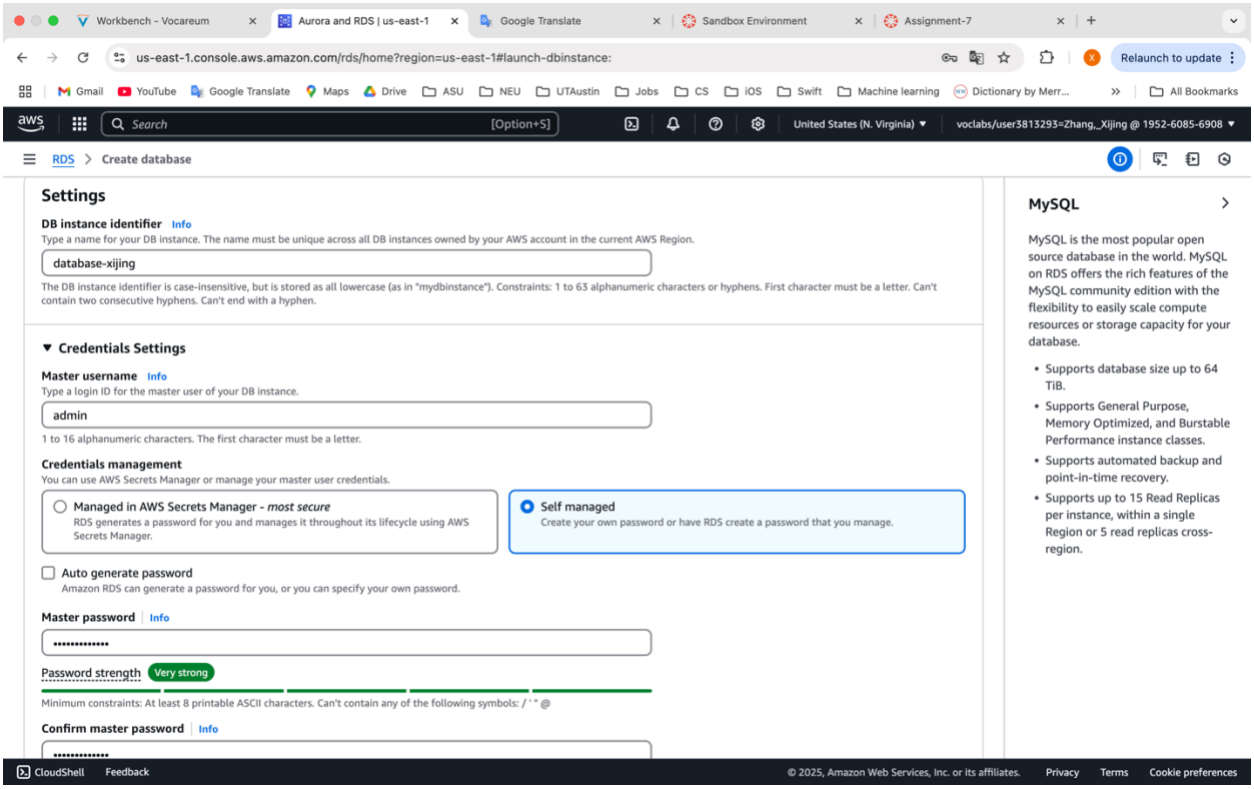
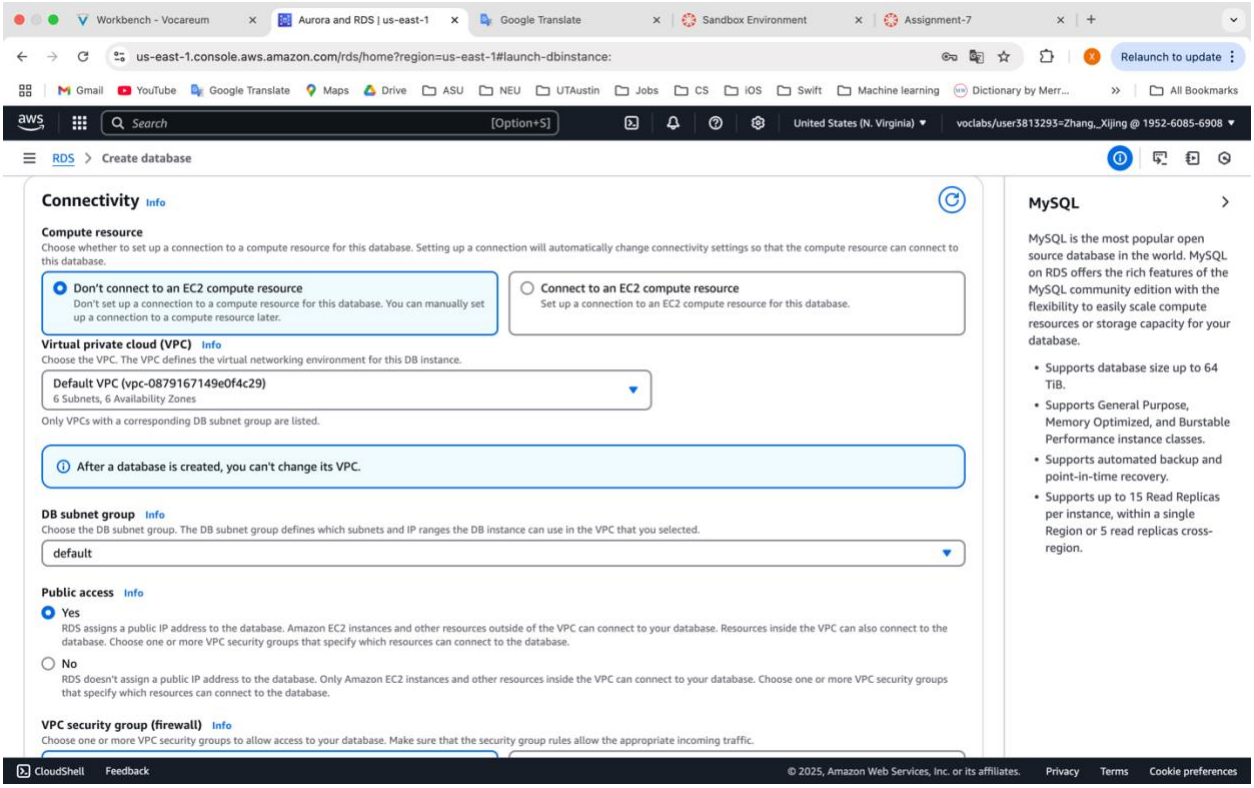
Screenshot #1: Show the completed RDS configuration page before clicking "Create"

This screenshot shows the RDS configuration page where all the database settings are defined, such as DB instance identifier, username, and storage size.




Workbench - Vocareum
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Google Translate
Sandbox Environment
Assignment-7
us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#launch-dbinstance:
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Gmail YouTube Google Translate Maps Drive ASU NEU UTAustin Jobs CS iOS Swift Machine learning Dictionary by Merr... All Bookmarks
Search [Option+S]
United States (N. Virginia)
voclabs/user3813293=Zhang,_Xijing @ 1952-6085-6908
RDS > Create database
Connectivity Info
Compute resource
Choose whether to set up a connection to a compute resource for this database. Setting up a connection will automatically change connectivity settings so that the compute resource can connect to this database.
Don't connect to an EC2 compute resource
Don't set up a connection to a compute resource for this database. You can manually set up a connection to a compute resource later.
Connect to an EC2 compute resource
Set up a connection to an EC2 compute resource for this database.
Virtual private cloud (VPC) Info
Choose the VPC. The VPC defines the virtual networking environment for this DB instance.
Default VPC (vpc-0879167149e0f4c29)
6 Subnets, 6 Availability Zones
Only VPCs with a corresponding DB subnet group are listed.
After a database is created, you can't change its VPC.
DB subnet group Info
Choose the DB subnet group. The DB subnet group defines which subnets and IP ranges the DB instance can use in the VPC that you selected.
default
Public access Info
Yes
RDS assigns a public IP address to the database. Amazon EC2 instances and other resources outside of the VPC can connect to your database. Resources inside the VPC can also connect to the database. Choose one or more VPC security groups that specify which resources can connect to the database.
No
RDS doesn't assign a public IP address to the database. Only Amazon EC2 instances and other resources inside the VPC can connect to your database. Choose one or more VPC security groups that specify which resources can connect to the database.
VPC security group (firewall) Info
Choose one or more VPC security groups to allow access to your database. Make sure that the security group rules allow the appropriate incoming traffic.
MySQL
MySQL is the most popular open source database in the world. MySQL on RDS offers the rich features of the MySQL community edition with the flexibility to easily scale compute resources or storage capacity for your database.
Supports database size up to 64 TiB.
Supports General Purpose, Memory Optimized, and Burstable Performance instance classes.
Supports automated backup and point-in-time recovery.
Supports up to 15 Read Replicas per instance, within a single Region or 5 read replicas cross-region.
CloudShell Feedback
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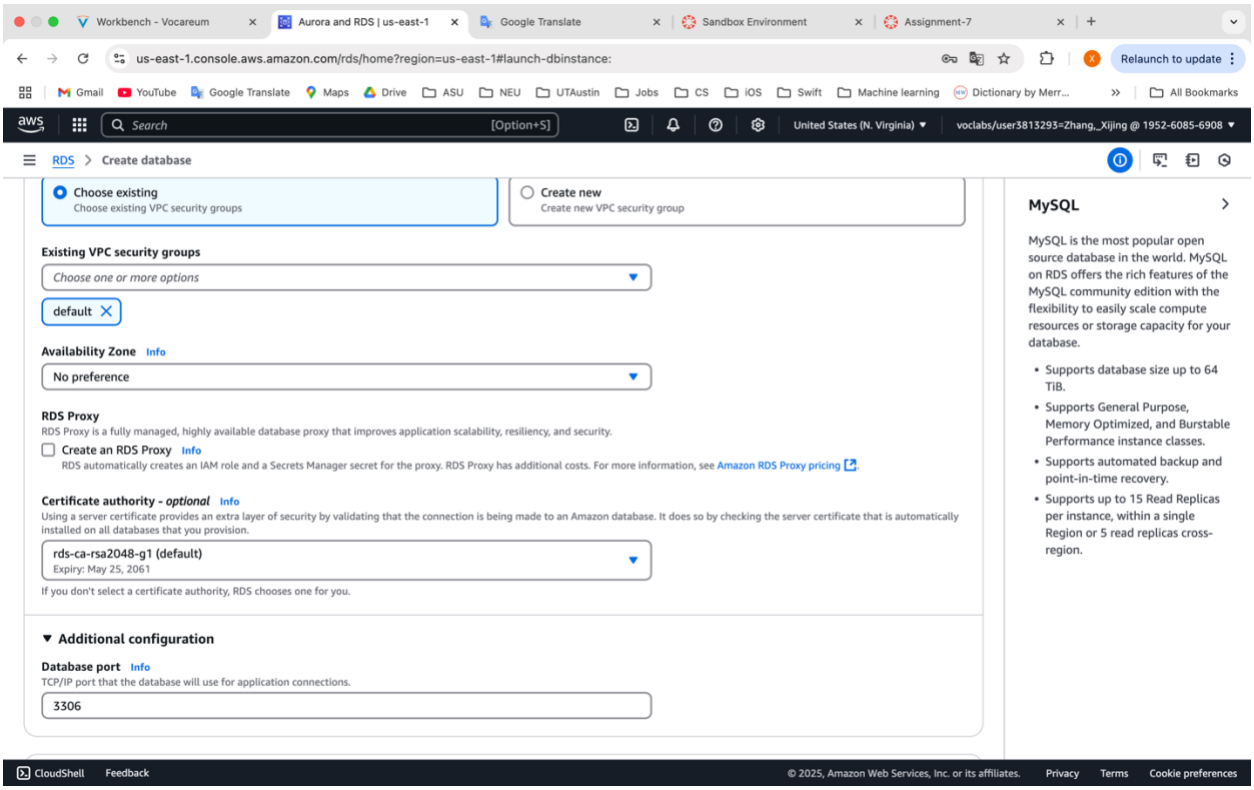
Workbench - Vocareum
Aurora and RDS | us-east-1
Google Translate
Sandbox Environment
Assignment-7
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Search [Option+S]
United States (N. Virginia)
voclabs/user3813293=Zhang,_Xijing @ 1952-6085-6908
RDS > Create database
Choose existing
Choose existing VPC security groups
Create new
Create new VPC security group
Existing VPC security groups
Choose one or more options
default
Availability Zone Info
No preference
RDS Proxy
RDS Proxy is a fully managed, highly available database proxy that improves application scalability, resiliency, and security.
Create an RDS Proxy Info
RDS automatically creates an IAM role and a Secrets Manager secret for the proxy. RDS Proxy has additional costs. For more information, see Amazon RDS Proxy pricing.
Certificate authority - optional Info
Using a server certificate provides an extra layer of security by validating that the connection is being made to an Amazon database. It does so by checking the server certificate that is automatically installed on all databases that you provision.
rds-ca-rsa2048-g1 (default)
Expiry: May 25, 2061
If you don't select a certificate authority, RDS chooses one for you.
Additional configuration
Database port Info
TCP/IP port that the database will use for application connections.
3306
MySQL
MySQL is the most popular open source database in the world. MySQL on RDS offers the rich features of the MySQL community edition with the flexibility to easily scale compute resources or storage capacity for your database.
Supports database size up to 64 TiB.
Supports General Purpose, Memory Optimized, and Burstable Performance instance classes.
Supports automated backup and point-in-time recovery.
Supports up to 15 Read Replicas per instance, within a single Region or 5 read replicas cross-region.
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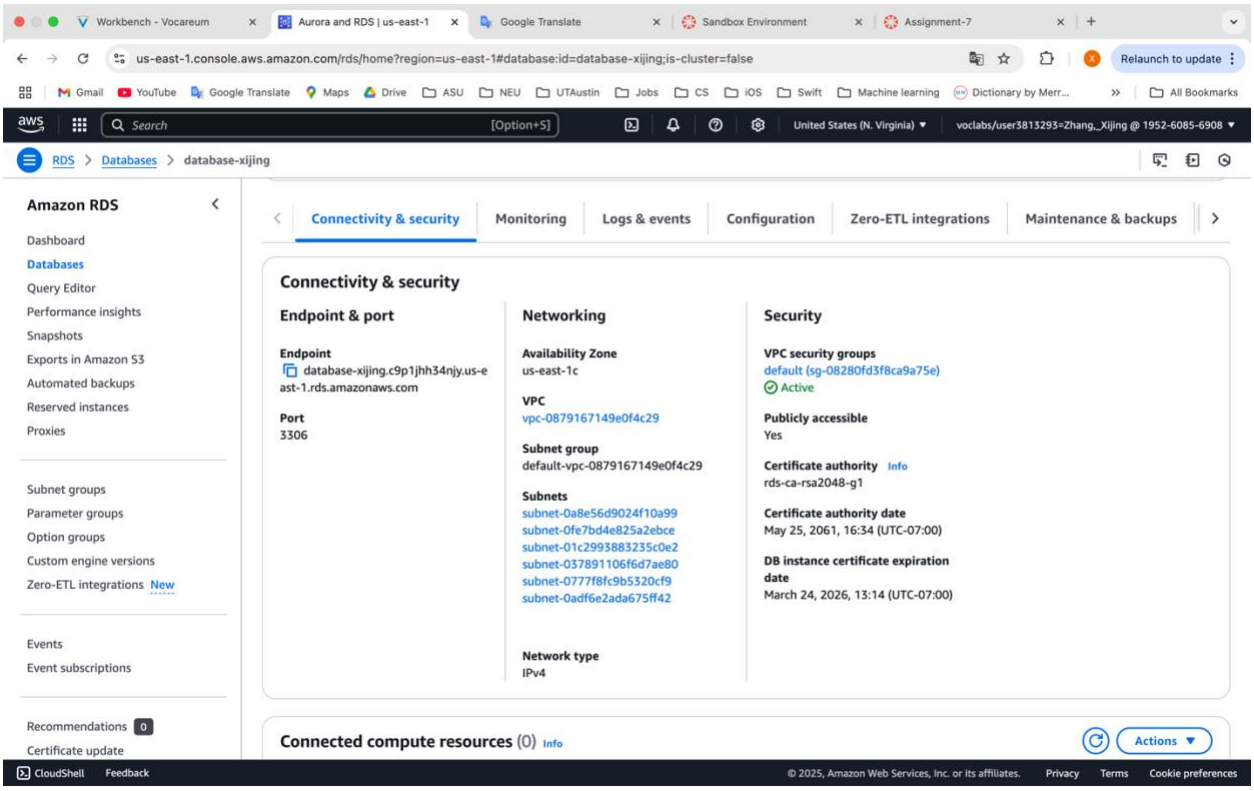
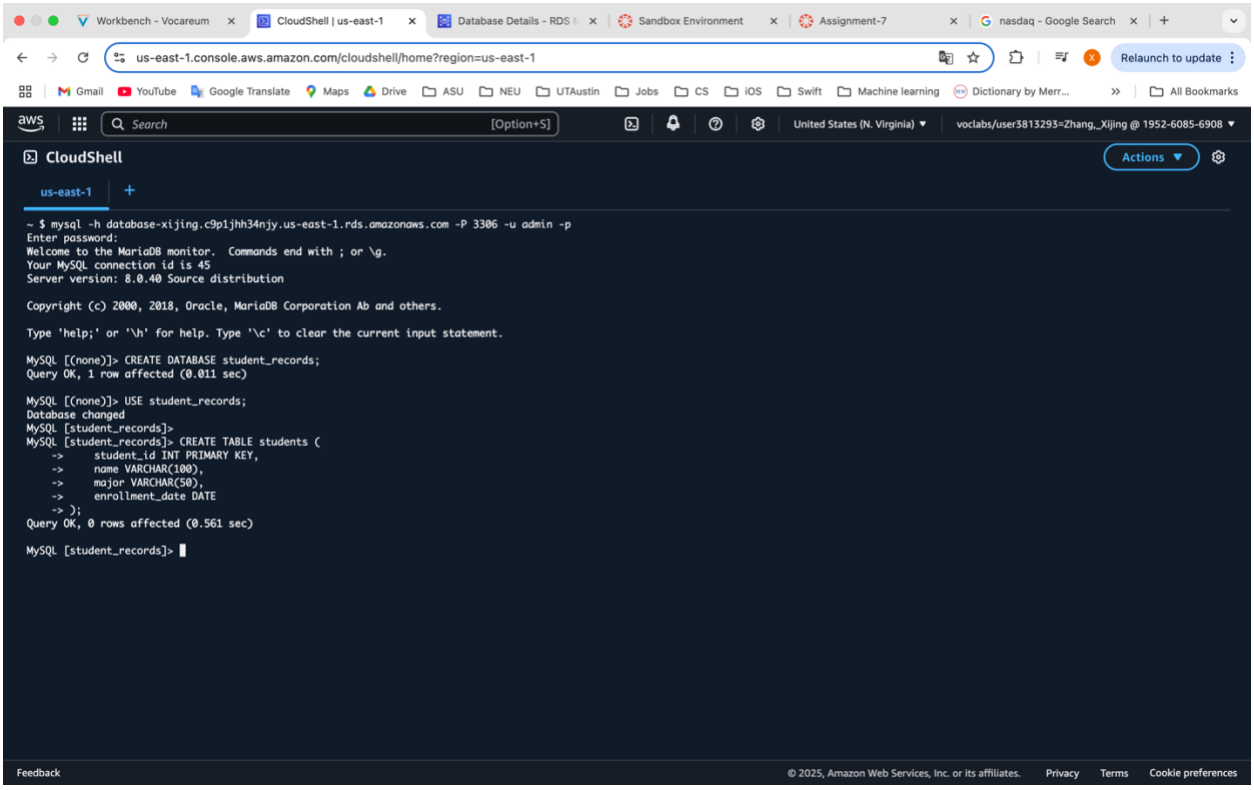
Screenshot #2: Show the successful database creation and endpoint from the Connectivity & Security section

This screenshot shows the successful creation of the RDS instance, with the endpoint displayed under the "Connectivity & Security" section.



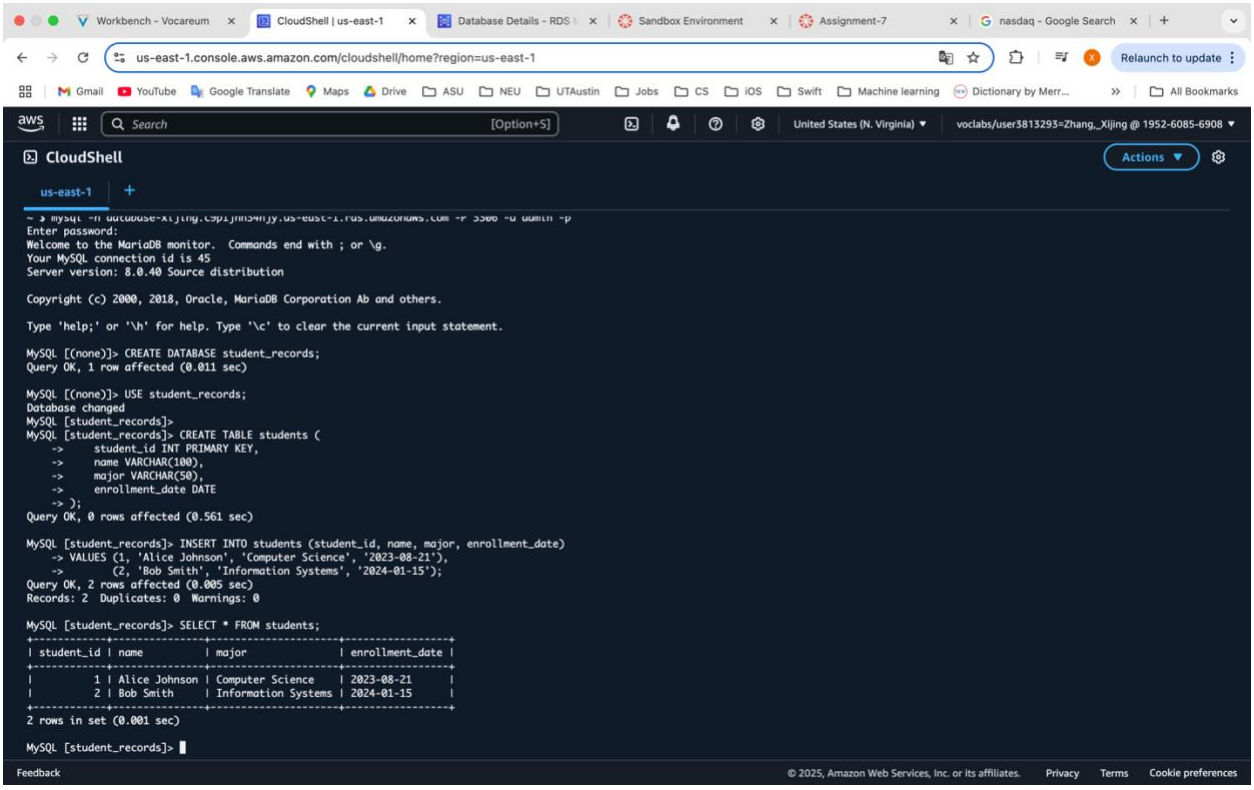
Screenshot #3: Show the successful table creation in the CloudShell terminal

This screenshot shows the successful creation of the "students" table within the "student_records" database.



Screenshot #4: Show the query results in the CloudShell terminal

This screenshot shows the results of querying the "students" table to retrieve all the records.



Screenshot #5: Show the successful deletion of the RDS database

This screenshot shows the deletion confirmation page or the status of the RDS instance being deleted.