

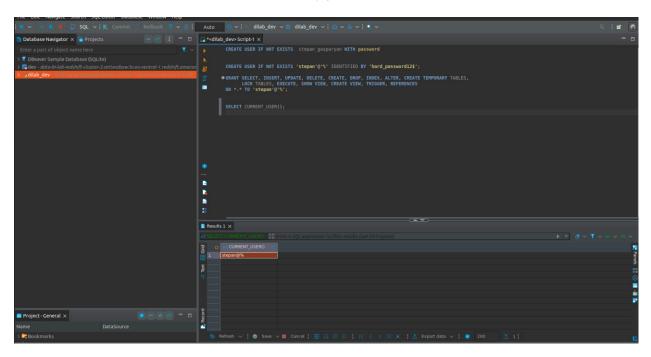
AWS Cloud Data Services

Legal Notice:

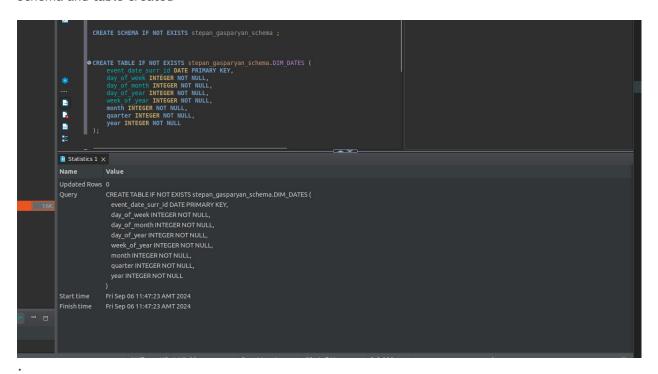
This document contains privileged and/or confidential information and may not be disclosed, distributed or reproduced without the prior written permission of EPAM®.

1. RDS MYSQL

Connected and new user created with all necessary permissions.

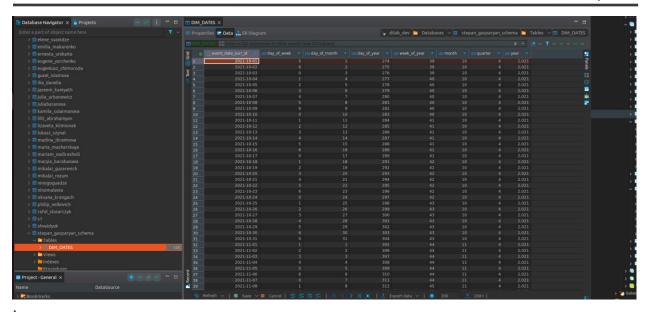


Schema and table created



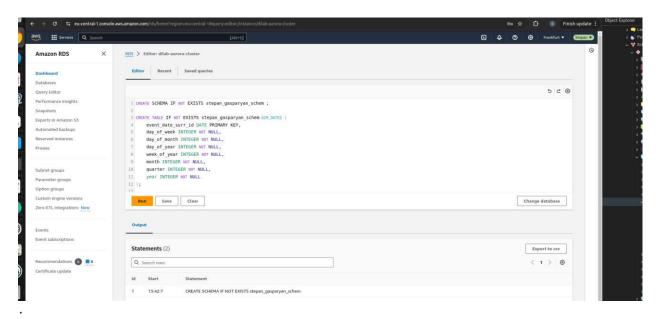
Procedure to load some data into table

Loaded



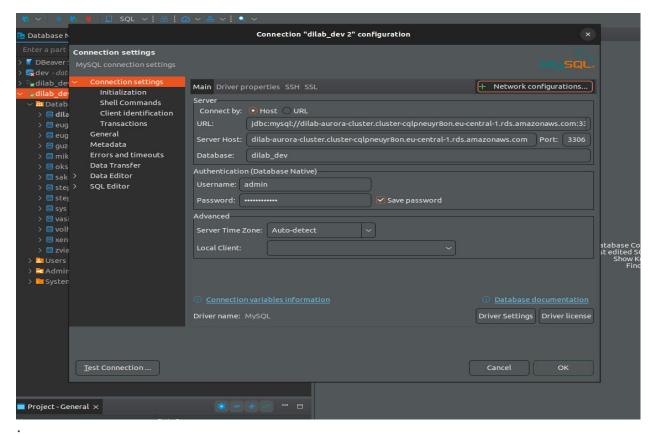
2. RDS Aurora

Schema and table created in Aurora

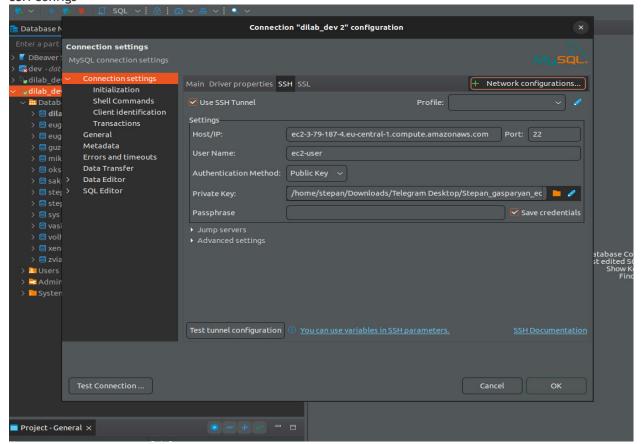


DM layer <@Dam>

Connecting to Aurora from my pc using SSH tunnel.



SSH configs



We can't connect directly to Aurora db because connection is not allowed from public and we need to connect to EC2 which is in same VPC subnet with Aurora db.



3. DynamoDB

Table created from AWS console

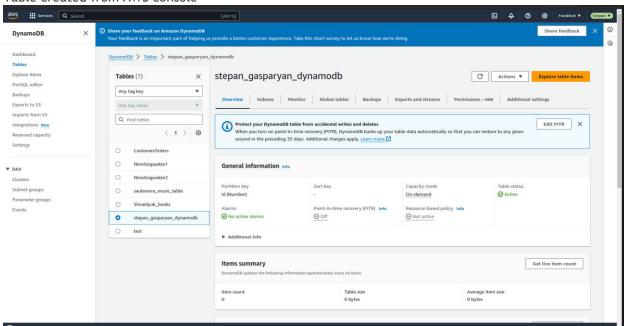
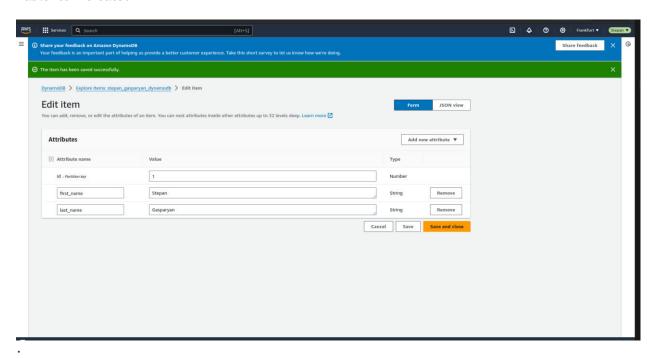


Table item created



To load 20 record into dynamo db table I created Json file

```
| "ttens_tp_add_json
| "ttens_tp_add_json
| "ttens_tp_add_json
| "ttens_ts_add_json
| "ttens_
```

For single record I use this command to put item into it`

```
aws dynamodb put-item --table-name stepan_gasparyan_dynamodb --item '{"customer_id": {"N": "1"}, "region": {"S": "Europe"}, "first_name": {"S": "Stepan"}}' --profile students-role
```

And run this`

```
Cec-user@ip-172-31-26-63 /]s sudo touch items to add.json

[ecc-user@ip-172-31-26-63 /]s sudo touch items to add.json

[ecc-user@ip-172-31-26-63 /]s sudo touch items to add.json

[ecc-user@ip-172-31-26-63 /]s sudo nano litems to add.json

[ecc-user@ip-172-31-26-63 /]s sudo nano items to add.json

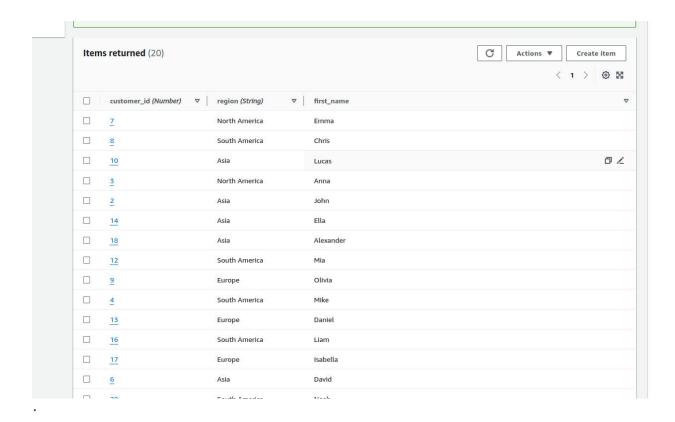
--request-items file://batch-items.json \
--profile students-role

Error parsing parameter '--request-items': Unable to load paramfile file://batch-items.json: [Errno 2] No such file or directory: 'batch-items.json'

[ec2-user@ip-172-31-26-63 /]s aws dynamodb batch-write-item --request-items file://items_to_add.json --profile students-role

[ec2-user@ip-172-31-26-63 /]s 1
```

Here is loaded records



Same approach for retriving data`

Get items `

```
[ec2-user@tp-1/2-31-26-63 /]$ sudo nano get_keys.]son
[ec2-user@tp-172-31-26-63 /]$ aws dynamodb batch-get-item --request-items '{"stepan_gasparyan_dynamodb": {"Keys": [{"customer_id": {"N": "7"}, "region": {"S": "North America"}}]}}' --profile students-role
CUSTOMER_ID 7
FIRST_NAME Emma
REGION North America
[ec2-user@tp-172-31-26-63 /]$ aws dynamodb batch-get-item --request-items '{"stepan_gasparyan_dynamodb": {"Keys": [{"customer_id": {"N": "7"}, "region": {"S": "North America"}},{"customer_id": {"N": "2"}, "region": {"S": "Asia"}}]}}' --profile students-role
CUSTOMER_ID 7
FIRST_NAME Emma
REGION North America
CUSTOMER_ID 2
FIRST_NAME John
REGION Asia
[ec2-user@ip-172-31-26-63 /]$
```