



config file:

```
[profile user-role-260586643565]
sso_session = user-role
sso_account_id = 260586643565
sso_role_name = User
region = eu-central-1

[profile students-role ]
role_arn=arn:aws:iam::260586643565:role/students-role
source_profile=user-role-260586643565
role_session_name=session_studentsrole
region=eu-central-1
output=text

[sso-session user-role]
sso_start_url = https://epam.awsapps.com/start
sso_region = us-east-1
sso_registration_scopes = sso:account:access
```

Checking if students-role is active:

```
PS C:\Users\ivanr\OneDrive\Рабочий стол\SW Courses\EPAM DAE 2024\4.AWS\pizzaplace_dwh\schema_bl_dm\dim_times> aws sts get-caller-identity --profile students-role
260586643565 arn:aws:sts::260586643565:assumed-role/students-role/session_studentsrole AROATZLBMUBW65XATEWMA:session_studentsrole
```

Created bucket 'ivanrobinbucket' and uploaded there bl_dm schema

Amazon S3 > Buckets > rodinivanbucket > pizzaplace_dwh/ > schema_bl_dm/

schema_bl_dm/

[Copy S3 URI](#)

Objects | Properties

Objects (7) [Info](#)

[Refresh](#) [Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#) [Actions](#) [Create folder](#) [Upload](#)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	dim_addresses/	Folder	-	-	-
<input type="checkbox"/>	dim_customers_scd/	Folder	-	-	-
<input type="checkbox"/>	dim_dates/	Folder	-	-	-
<input type="checkbox"/>	dim_orders/	Folder	-	-	-
<input type="checkbox"/>	dim_pizzas/	Folder	-	-	-
<input type="checkbox"/>	dim_times/	Folder	-	-	-
<input type="checkbox"/>	fct_sales/	Folder	-	-	-

AWS CLI command to move file from local machine to aws bucket:

```
PS C:\Users\ivanr\OneDrive\Рабочий стол\SW Courses\EPAM DAE 2024\4.AWS\pizzaplace_dwh\schema_bl_dm\dim_times> aws s3 mv dim_times.csv s3://rodinivanbucket/pizzaplace_dwh/schema_bl_dm/dim_times/ --profile students-role
move: \dim_times.csv to s3://rodinivanbucket/pizzaplace_dwh/schema_bl_dm/dim_times/dim_times.csv
PS C:\Users\ivanr\OneDrive\Рабочий стол\SW Courses\EPAM DAE 2024\4.AWS\pizzaplace_dwh\schema_bl_dm\dim_times>
```

Created database 'pizaplace_rodin_db', tables and crawler 'pizzaplace_rodin_crawler' to 'glue' this tables:

AWS Glue > Crawlers > pizzaplace_rodin_crawler

pizzaplace_rodin_crawler

Last updated (UTC) August 29, 2024 at 13:47:04 [Refresh](#) [Run crawler](#) [Edit](#) [Delete](#)

Crawler properties

Name	IAM role	State	Description
pizzaplace_rodin_crawler	dialab-glue-role	READY	-
Security configuration	Lake Formation configuration		
-	-		

[Advanced settings](#)

Crawler runs | Schedule | Glue tables | Classifiers | Tags

Crawler runs (1) [Refresh](#) [Stop run](#) [View CloudWatch logs](#) [View run details](#)

The list of crawler runs for this crawler.

[Filter by a date and time range](#)

<input type="checkbox"/>	Start time (UTC)	End time (UTC)	Current/last duration	Status	DPU hours	Table changes
<input type="radio"/>	August 29, 2024 at 12:07:42	August 29, 2024 at 12:09:04	01 min 21 s	Completed	0.061	7 table changes, 0 partition changes

In Athena created query to select total sales of pizzas per year:

eu-central-1.console.aws.amazon.com/athena/home?region=eu-central-1#/query-editor

Amazon Athena > Query editor

Editor Recent queries Saved queries Settings Workgroup primary

Data

Data source: AwsDataCatalog

Database: pizzaplace_rodin_db

Tables and views: Create Filter tables and views

Tables (7): dim_addresses, dim_customers_scd, dim_dates, dim_orders, dim_pizzas

Query 2:

```
1 SELECT
2   p.pizza_name,
3   extract(year from to_date(s.event_dt, 'yyyy-mm-dd')) as accum_year,
4   round(sum(s.fct_cost_order), 2) as total_income
5 FROM fct_sales s
6 left join dim_pizzas p
7 on s.pizza_surr_id = p.pizza_surr_id
8 group by
9   p.pizza_name,
10  extract(year from to_date(s.event_dt, 'yyyy-mm-dd'));
```

SQL Ln 11, Col 1

Run Explain Cancel Clear Create

Reuse query results up to 60 minutes ago

Query results Query stats

Results (30)

Copy Download results

Search rows

#	pizza_name	accum_year	total_income
7	MARGARITA	2022	321453.45
8	TERIYAKI	2022	710500.17
15	JALAPENO	2022	316424.97
16	PEPPERONI	2022	312534.04
21	RANCHO	2022	661389.22
22	FOUR CHEESE	2022	337390.0
23	SALAMI	2022	303114.54
28	MUSHROOM	2022	324725.4
29	MEXICANA	2022	714170.73
30	HAM AND MUSHROOMS	2022	338508.5
2	RANCHO	2023	1362593.72
3	MEXICANA	2023	1472192.7