

HW6

Step-1:Account Created using sdsu id.

Step-2:

AWS Database setup

Connectivity & security

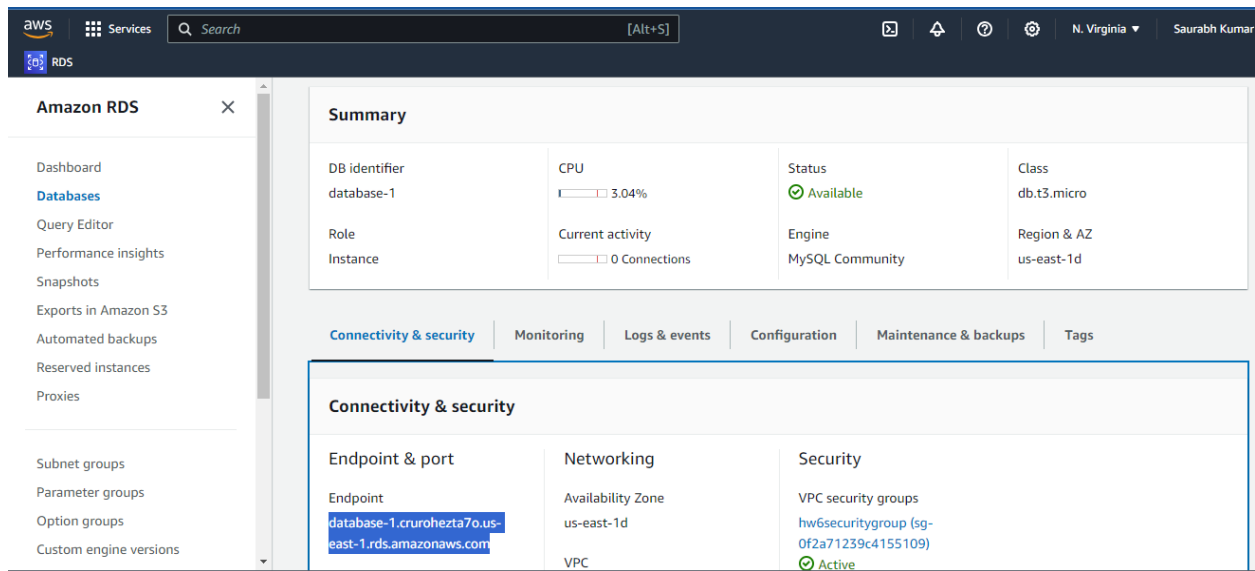
Endpoint & port	Networking	Security
Endpoint -	Availability Zone us-east-1d	VPC security groups hw6securitygroup (sg-0f2a71239c4155109) Active
Port -	VPC vpc-00db62a554a255b0b	Publicly accessible Yes
	Subnet group default-vpc-00db62a554a255b0b	Certificate authority Info rds-ca-2019
	Subnets subnet-0e452279750944dc9 subnet-0b43606a7479c4165 subnet-02f5d234bd13fc614 subnet-05424daef3259be8c subnet-05e45e2466adc62c2 subnet-04a72e63951a84d45	Certificate authority date August 22, 2024, 10:08 (UTC-07:00)

DB identifier database-1	CPU -	Status Available	Class db.t3.micro
Role Instance	Current activity	Engine MySQL Community	Region & AZ us-east-1d

Connectivity & security | Monitoring | Logs & events | Configuration | Maintenance & backups | Tags

Connectivity & security

Endpoint & port	Networking	Security
Endpoint database-1.crurohezta7o.us-east-1.rds.amazonaws.com	Availability Zone us-east-1d	VPC security groups hw6securitygroup (sg-0f2a71239c4155109) Active
Port 3306	VPC vpc-00db62a554a255b0b	Publicly accessible



Step 3: used SalesCo2.sql to create this database with all the tables and records

Step 4: Created a trigger named trg_line_prod that automatically updates the quantity on hand (P_QOH) for each product sold after a new LINE row is added

Delimiter \$\$

CREATE TRIGGER trg_line_prod

AFTER INSERT ON LINE

FOR EACH ROW

BEGIN

-- Update the quantity on hand for the product

UPDATE PRODUCT

SET P_QOH = P_QOH - NEW.LINE_UNITS

WHERE P_CODE = NEW.P_CODE;


END;

\$\$

Delimiter ;

Query 1 SalesCo - Schema LINE SalesCo.LINE x

Info Columns Indexes Triggers Foreign keys Partitions Grants DDL

Name	Event	Timing	Created	SQL Mode	Definer
 trg_line_prod	INSERT	AFTER	2023-11-12 03:1...	NO_ENGINE_SJ...	admin@%


Count: 1 Refresh

Output

Step 5: Run commands below to test the trigger.

SET SQL_SAFE_UPDATES = 0;

INSERT INTO LINE VALUES('1008','2','54778-2T','3','4.99','14.97');

Result Grid Filter Rows: Export: Wrap Cell Content: 


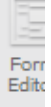
	P_CODE	P_DESCRIPT	P_INDATE	P_QOH	P_MIN	P_PRICE	P_DISCOUNT	V_CODE
▶	54778-2T	Rat-tail file, 1/8-in. fine	2017-12-15 00:00:00	43	20	4.99	0.00	21344

After trigger execution

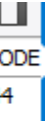

Query 1 SalesCo - Schema LINE SalesCo.LINE **PRODUCT** × LINE

Limit to 1000 rows

```
1 • SELECT * FROM SalesCo.PRODUCT where P_CODE='54778-2T';
2
3 • SET SQL_SAFE_UPDATES = 0;
4
5 • INSERT INTO LINE VALUES('1008','2','54778-2T','3','4.99','14.97');
```

Result Grid Filter Rows: Export: Wrap Cell Content:  Result Grid
 Form Edit

	P_CODE	P_DESCRIPT	P_INDATE	P_QOH	P_MIN	P_PRICE	P_DISCOUNT	V_CODE
▶	54778-2T	Rat-tail file, 1/8-in. fine	2017-12-15 00:00:00	40	20	4.99	0.00	21344

Result Grid Filter Rows: Export: Wrap Cell Content:  Result Grid
 Form Edit

	P_CODE	P_DESCRIPT	P_INDATE	P_QOH	P_MIN	P_PRICE	P_DISCOUNT	V_CODE
▶	54778-2T	Rat-tail file, 1/8-in. fine	2017-12-15 00:00:00	40	20	4.99	0.00	21344

Navigator

Filter objects

Schemas

SalesCo

Tables

CUSTOMER

INVOICE

LINE

Columns

Indexes

Foreign Keys

Triggers

PRODUCT

Columns

Indexes

Foreign Keys

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VENDOR

Views

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sys

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Administration

Schemas

Query 1

SalesCo - Schema

LINE

SalesCo.LINE

PRODUCT

LINE

SQLAdditions

Jump to

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position to toggle automatic help.

SELECT * FROM SalesCo.LINE where P_CODE='54778-2T';

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Result Grid

Form Editor

INV_NUMBER	LINE_NUMBER	P_CODE	LINE_UNITS	LINE_PRICE	LINE_TOTAL
1002	1	54778-2T	2	4.99	9.98
1004	1	54778-2T	3	4.99	14.97
1007	2	54778-2T	1	4.99	4.99
1008	2	54778-2T	3	4.99	14.97

LINE 4

Read Only

Context Help

Snippets

Information

Table: LINE

Columns:

INV_NUMBER int

LINE_NUMBER int

P_CODE varchar(10)

LINE_UNITS int

LINE_PRICE decimal(8,2)

LINE_TOTAL decimal(11,2)

Object Info

Session

Output

Action Output

#	Time	Action	Message	Duration / Fetch
80	19:25:32	INSERT INTO LINE VALUES('1008','2','54778-2T','3','4.99','14.97')	1 row(s) affected	0.094 sec
81	19:25:40	SELECT * FROM SalesCo.PRODUCT where P_CODE='54778-2T' LIMIT 0, 1000	1 row(s) returned	0.078 sec / 0.000 sec
82	19:27:22	SELECT * FROM SalesCo.LINE LIMIT 0, 1000	19 row(s) returned	0.078 sec / 0.000 sec
83	19:35:32	SELECT * FROM SalesCo.LINE where P_CODE='54778-2T' LIMIT 0, 1000	4 row(s) returned	0.078 sec / 0.000 sec
84	19:36:42	SELECT * FROM SalesCo.LINE where P_CODE='54778-2T'and INV_NUMBER=1008 LIM...	1 row(s) returned	0.094 sec / 0.000 sec
85	19:37:06	SELECT * FROM SalesCo.LINE where P_CODE='54778-2T' LIMIT 0, 1000	4 row(s) returned	0.063 sec / 0.000 sec

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

INV_NUMBER	LINE_NUMBER	P_CODE	LINE_UNITS	LINE_PRICE	LINE_TOTAL
1008	2	54778-2T	3	4.99	14.97