

Object Explorer

Servers (2)

- PostgreSQL 13
- PostgreSQL 17
 - Databases (2)
 - Product_Sales
 - Casts
 - Catalogs
 - Event Triggers
 - Extensions
 - Foreign Data Wrappers
 - Languages
 - Publications
 - Schemas
 - Subscriptions
 - postgres
 - Casts
 - Catalogs
 - Event Triggers
 - Extensions
 - Foreign Data Wrappers
 - Languages
 - Publications
 - Schemas

Product_Sales/postgres@PostgreSQL 17*

Query

```
1 SELECT * FROM Product_Sales;
```

Data Output

	agentid integer	callid [PK] integer	customerid integer	pickedup boolean	duration integer	productsold character varying (100)	agent_name character varying (100)
1	0	7999	519	true	117	0	Michele Williams
2	0	7100	469	true	235	0	Michele Williams
3	0	3752	74	true	185	0	Michele Williams
4	0	3751	562	true	121	0	Michele Williams
5	0	6783	30	true	102	1	Michele Williams
6	0	6019	353	true	261	0	Michele Williams

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Product_Sales/postgres@PostgreSQL 17*

Query

```
1 CREATE TABLE Product_Sales(  
2 AgentID INT NOT NULL,  
3 CallID INT PRIMARY KEY,  
4 CustomerID INT NOT NULL,  
5 PickedUp BOOLEAN NOT NULL,  
6 Duration INT NOT NULL, -- Duration in seconds  
7 ProductSold VARCHAR(100),  
8 Agent_Name VARCHAR(100) NOT NULL  
9 );  
10  
11 COPY Product_Sales(AgentID,CallID,CustomerID,PickedUp, Duration,ProductSold,Agent_Name)  
12 FROM 'E:\Product_Sales.csv'  
13 DELIMITER ','  
14 CSV HEADER;
```

Product_Sales/postgres@PostgreSQL 17

Query

```
1  
2 SELECT * FROM Product_Sales  
3 WHERE Agent_Name = 'Michele Williams' AND PickedUp = TRUE;  
4
```

Data Output

	agentid integer	callid [PK] integer	customerid integer	pickedup boolean	duration integer	productsold character varying (100)	agent_name character varying (100)
1	0	7999	519	true	117	0	Michele Williams
2	0	7100	469	true	235	0	Michele Williams
3	0	3752	74	true	185	0	Michele Williams
4	0	3751	562	true	121	0	Michele Williams
5	0	6783	30	true	102	1	Michele Williams
6	0	6019	353	true	261	0	Michele Williams

Descriptions

No limit E

Query Query History
 Scratch Pad ✕

```

1 SELECT ProductSold, COUNT(*) AS Times_Sold
2 FROM Product_Sales
3 WHERE ProductSold IS NOT NULL
4 GROUP BY ProductSold
5 ORDER BY Times_Sold DESC;
6
7
8
    
```

Data Output Messages Notifications

SQL

Showing rows: 1 to 11 Page No: 1 of 1

	agent_name character_v	total_duration bigint
1	Michele W	121848
2	Gloria Singh	120600
3	Paul Nunez	117334
4	Agent X	115824
5	Christopher Moreno	115509
6	Lisa Cordova	114518

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Query Query History

1 SELECT Agent_Name, AVG(Duration) AS Avg_Duration
2 FROM Product_Sales
3 GROUP BY Agent_Name
4 ORDER BY Avg_Duration DESC;
5
6
7

Scratch Pad X

Data Output Messages Notifications

Showing rows: 1 to 11 Page No: 1 of 1

	agent_name character varying (100)	avg_duration numeric
1	Jocelyn Parker	132.6812796208530806
2	Gloria Singh	130.2375809935205184
3	Paul Nunez	127.5369565217391304
4	Christopher Moreno	126.9329670329670330
5	Agent X	125.7589576547231270

Product_Sales/postgres@PostgreSQL 17

Query Query History

1 SELECT Agent_Name, COUNT(*) AS Sales_Count
2 FROM Product_Sales
3 WHERE ProductSold IS NOT NULL
4 GROUP BY Agent_Name
5 HAVING COUNT(*) > 10
6 ORDER BY Sales_Count DESC;
7
8
9

Scratch Pad X

Data Output Messages Notifications

Showing rows: 1 to 11 Page No: 1 of 1

	agent_name character varying (100)	sales_count bigint
1	Michele Williams	976
2	Gloria Singh	926
3	Agent X	921
4	Paul Nunez	920
5	Lisa Cordova	919
6	Todd Morrow	912

Total rows: 11 Query complete 00:00:00.130 CRLF Ln 7, Col 1

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Product_Sales/postgres@PostgreSQL 17

Query

Query History

Scratch Pad X

```
1 SELECT * FROM Product_Sales
2 ORDER BY Duration ASC
3
4 LIMIT 5;
5
6
7
8
```

Data Output

Messages

Notifications

Showing rows: 1 to 5

Page No: 1 of 1

	agentid integer	callid [PK] integer	customerid integer	pickedup boolean	duration integer	productsold character varying (100)	agent_name character varying (100)
1	5	4918	707	true	-5	0	Paul Nunez
2	3	4670	480	true	-3	0	Todd Morrow
3	0	680	837	false	0	0	Michele Williams
4	0	2768	779	false	0	0	Michele Williams
5	0	5331	10	false	0	0	Michele Williams

Product_Sales/postgres@PostgreSQL 17

Query

Query History

Scratch Pad X

```
1 SELECT * FROM Product_Sales
2 WHERE PickedUp = FALSE;
3
4
5
```

Data Output

Messages

Notifications

Showing rows: 1 to 1000

Page No: 1 of 4

	agentid integer	callid [PK] integer	customerid integer	pickedup boolean	duration integer	productsold character varying (100)	agent_name character varying (100)
61	0	7942	536	false	0	0	Michele Williams
62	0	8148	475	false	0	0	Michele Williams
63	0	5049	707	false	0	0	Michele Williams
64	0	8118	817	false	0	0	Michele Williams
65	0	2864	291	false	0	0	Michele Williams

[illegible]

Query Query history Scratch Pad

```

1 SELECT ps.AgentID, ps.CallID, a.Agent_Name, a.Region
2 FROM Product_Sales ps
3 LEFT JOIN agents a ON ps.AgentID = a.AgentID;
4
5
6
7
8
9
10
11

```

Data Output Messages Notifications

Showing rows: 1 to 1000 Page No: 1 of 10

	agentid integer	callid integer	agent_name character varying (100)	region character varying (100)
1	0	7999	[null]	[null]
2	0	7100	[null]	[null]
3	0	3752	[null]	[null]
4	0	3751	[null]	[null]
5	0	6783	[null]	[null]



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QueryQuery History

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11

SELECT AVG(Duration) AS Average_Call_Duration

FROM Product_Sales;

Data OutputMessagesNotifications

Showing rows: 1 to 1

Page No: 1

	average_call_duration	
	numeric	
1	125.1626924237850890	

Product_Sales/postgres@PostgreSQL 17

No limit

SQL

QueryQuery History

1

2

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5

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10

11

SELECT AgentID, SUM(Duration) AS Total_Duration

FROM Product_Sales

GROUP BY AgentID;

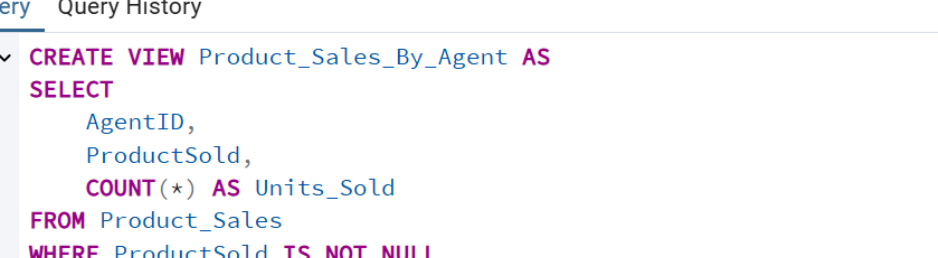
Data OutputMessagesNotifications

Showing rows: 1 to 11

Page No: 1

of 1

	agentid	total_duration
	integer	bigint
1	8	114518
2	9	98171
3	7	107019
4	10	115824
5	1	111983
6	5	117334



The screenshot displays the SQL Server Enterprise Manager interface. The top toolbar contains various icons for file operations, editing, and execution. The 'Query' window is active, showing a T-SQL script to create a view named 'Product_Sales_By_Agent'. The script includes a 'SELECT' statement with columns 'AgentID', 'ProductSold', and 'COUNT(*) AS Units_Sold' from the 'Product_Sales' table, filtered by 'ProductSold IS NOT NULL' and grouped by 'AgentID' and 'ProductSold'. Below the query window, the 'Messages' window shows the output: 'CREATE VIEW' followed by 'Query returned successfully in 49 msec.'

```
1 CREATE VIEW Product_Sales_By_Agent AS
2 SELECT
3     AgentID,
4     ProductSold,
5     COUNT(*) AS Units_Sold
6 FROM Product_Sales
7 WHERE ProductSold IS NOT NULL
8 GROUP BY AgentID, ProductSold;
9
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 49 msec.

