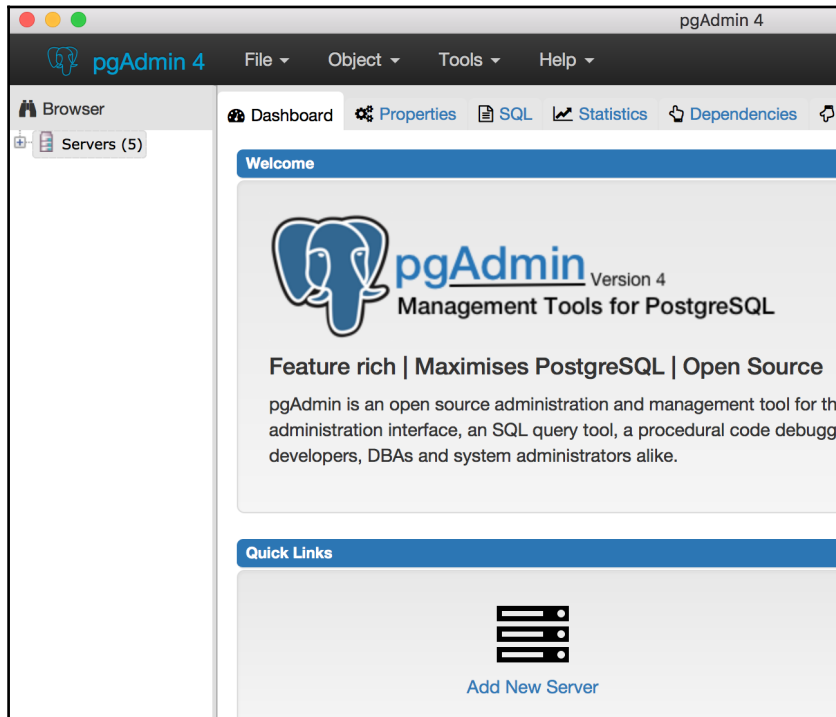


Chapter 01:First Steps



General	Connection
Host name/address	<input type="text"/>
Port	5432
Maintenance database	postgres
User name	postgres
Password	<input type="password"/>
Save password?	<input type="checkbox"/>
Role	<input type="text"/>
SSL mode	Prefer

pgAdmin 4 File Object Tools Help

Browser

- Servers (5)
 - articmonkeys
 - Databases (1)
 - postgres
 - Casts
 - Catalogs
 - Event Triggers
 - Extensions
 - Foreign Data Wrappers
 - Languages
 - Schemas (2)
 - example
 - public
 - Collations
 - Foreign Tables
 - Functions
 - Materialized Views
 - Sequences
 - Tables (4)
 - customer
 - foo
 - foo2

Dashboard Properties SQL Statistics

Statistics	
Backends	5
Xact committed	10382
Xact rolled back	18
Blocks read	452
Blocks hit	46632
Tuples returned	246096
Tuples fetched	24778
Tuples inserted	310
Tuples updated	6
Tuples deleted	172
Last statistics reset	2017-01-17 12:35:41.5
Tablespace conflicts	0
Lock conflicts	0
Snapshot conflicts	0
Bufferpin conflicts	0
Deadlock conflicts	0
Temporary files	0

postgres on sriggs@articmonkeys

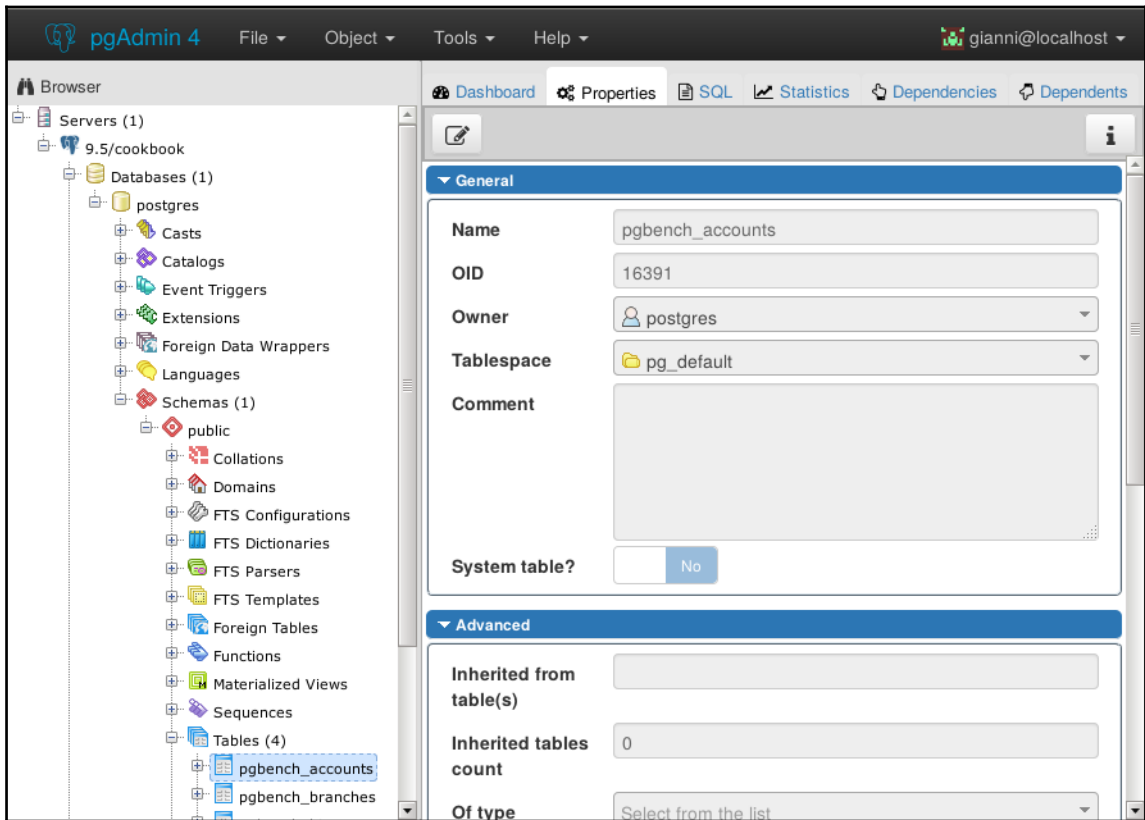
```
1 SELECT count(*)
2 FROM demo d1 JOIN demo d2 ON d1.col1 = d2.col1
3 WHERE d1.col1 = 'DEMO';
```

Data Output Explain Messages History

The diagram illustrates the execution plan for the provided SQL query. It starts with two 'demo' tables. The first 'demo' table feeds into a 'Materialize' step. The output of the 'Materialize' step and the second 'demo' table both feed into a 'Nested Loop Inner Join' step. The output of the 'Nested Loop Inner Join' step then feeds into an 'Aggregate' step, represented by a sigma symbol (Σ).

Tables (5)	
+	MYTABLE
+	My Table
+	MyTable
+	my table
+	mytable

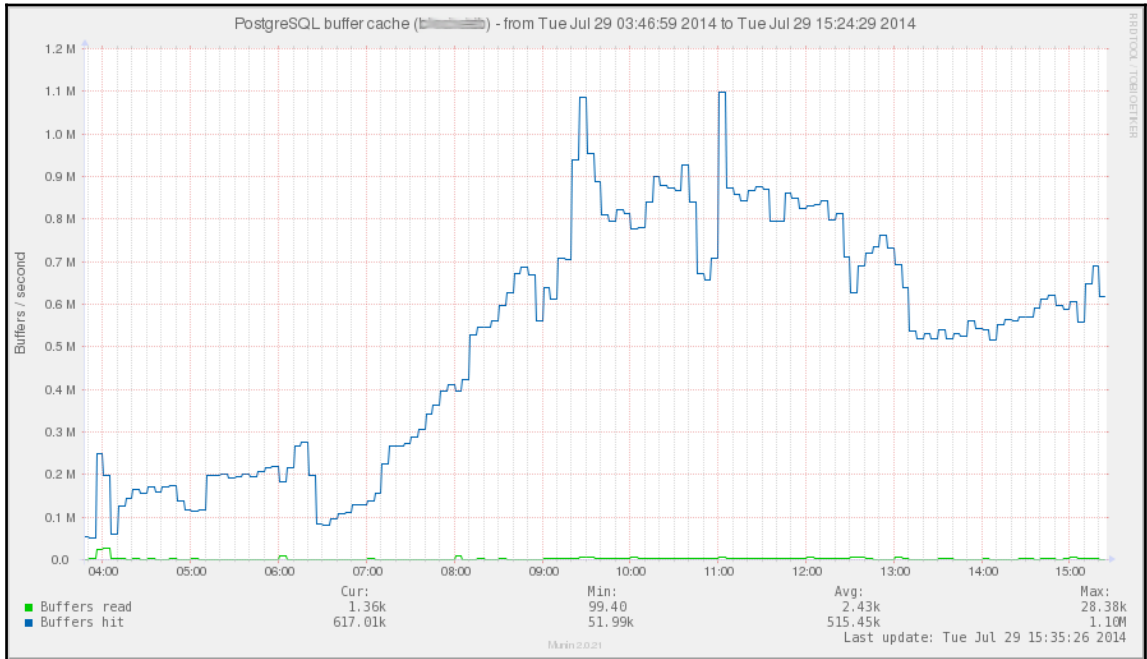
Chapter 02: Exploring the Database



Chapter 05: Tables and Data

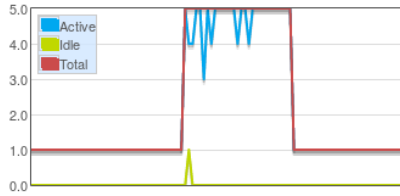
	A	B	C	D
1	Key	Value		
2		1	c	
3		2	d	
4				
5				
6				

Chapter 08: Monitoring and Diagnosis

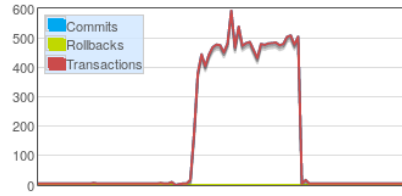


Dashboard

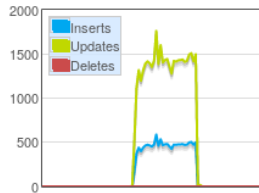
Server sessions



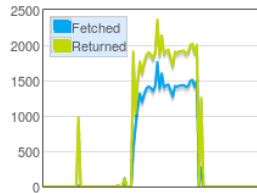
Transactions per second



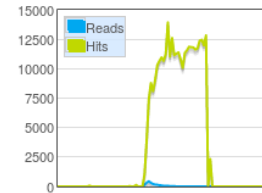
Tuples in



Tuples out



Block I/O



Server activity

Sessions Locks Prepared Transactions Configuration

PID	Database	User	Application	Client	Backend start	State	Waiting?
4397	postgres	gianni	pgAdmin 4 - DB:postgres		2017-04-21 00:10:51 BST	active	
5186	cookbook	gianni	pgbench		2017-04-21 00:12:12 BST	active	
5187	cookbook	gianni	pgbench		2017-04-21 00:12:12 BST	active	
5188	cookbook	gianni	pgbench		2017-04-21 00:12:12 BST	active	
5189	cookbook	gianni	pgbench		2017-04-21 00:12:12 BST	active	

Time consuming queries

Rank	Total duration	Times executed	Min duration	Max duration	Avg duration	Query
1	15h48m3s	44,075	1.113s	2.484s	1.291s	<code>SELECT t0.alias, t0.created, t0.modified, t0.personaname FROM public.alias t0 WHERE (lower (t0.alias) = '');</code>

[Details](#)

TIMES REPORTED TIME CONSUMING QUERIES #1

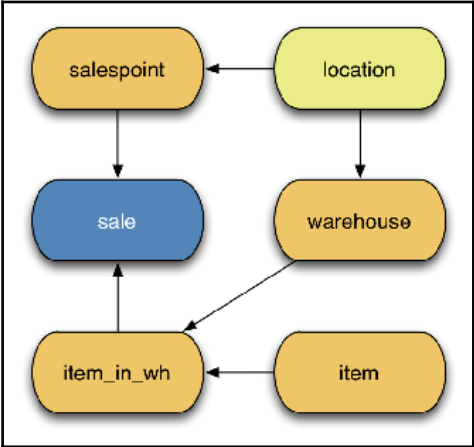


Day	Hour	Count	Duration	Avg duration
Jul 28	02	965	20m31s	1.277s
	03	435	9m5s	1.254s
	04	243	5m5s	1.255s
	05	250	5m15s	1.260s
	06	500	10m29s	1.259s
	07	1,269	26m38s	1.260s
	08	2,301	48m33s	1.266s
	09	3,457	1h13m48s	1.281s
	10	4,405	1h35m0s	1.294s
	11	5,142	1h51m10s	1.297s
	12	5,331	1h55m4s	1.295s
	13	5,667	2h1m56s	1.291s
	14	5,733	2h4m15s	1.300s
	15	5,560	2h7.283s	1.296s
	16	2,817	1h1m2s	1.300s

[x Hide](#)

[Examples](#)

Chapter 10: Performance and Concurrency



Chapter 11: Backup and Recovery

The screenshot shows the pgAdmin 4 interface with a 'Backup (Database: pgbench)' dialog box open. The dialog has two tabs: 'General' and 'Dump options'. The 'General' tab is active and contains the following fields:

- Filename:
- Format: Custom
- Compression ratio:
- Encoding: Select from the list
- Number of jobs:
- Role name: Select from the list

At the bottom of the dialog, there are 'Backup' and 'Cancel' buttons. Below the dialog, a table displays process information:

Process ID	User	Application name	Client address	Backend start	State
14837	gabriele	pgbench		2016-09-10 16:40:07.044572+02	active
14865	gabriele	pgAdmin 4 - DB:pgbench	:::1	2016-09-10 16:41:13.965057+02	idle

