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update: https://atl.kr/dokuwiki/doku.php/postgresql\_%EB%80%B1%EC%97%85\_%EB%B0%8F\_%EB%B3%B5%EA%B5%AC\_-\_%EB%AA%85%EB%A0%B9%EC%96%B4\_%EC%82%AC%EC%9A%A9  
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# PostgreSQL

# PostgreSQL

3가

- SQL
  - 
  -

SQL	pg_dump, pg_dumpall  pg_restore, psql	AgensGraph 가 가 가 가 )	가 64 (32	가 가
(PITR)	pg_basebackup wal  tar wal	AgensGraph 가 가 AgensGraph 가 가	가 가	가 가
	tar	AgensGraph 가 가		가

SQL

PostgreSQL 가 PostgreSQL 가 가  
pg\_dump, pg\_dumpall, pg\_restore, psql 가 , 4가  
가 .

pg_dump		가 , ,	가 가	role	tablespace
pg_dumpall		role tablespace	가 가		
pg_restore		pg_dump	가 가	pg_dumpall	
psql		pg_dump, pg_dumpall	가 가		

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4가

1. pg\_dump → psql
2. pg\_dump → pg\_restore
3. pg\_dumpall → psql

1.

```
2   port          .           graph_dump
     . pg_dump    agens
PostgreSQL      pg_dump
     agens ,
```

1. PostgreSQL 1  
\$ pg\_ctl -D /path/to/server1/data start

2.  
\$ pg\_dump dump > dump.backup

3. PostgreSQL 2  
\$ pg\_ctl -D /path/to/server2/data start

4.  
\$ createdb -p 5433 dump

5.  
\$ psql -p 5433 dump < dump.backup

6.  
\$ psql -p 5433 dump

2.  
pg\_c\_dump 2 port
 . pg\_dump pg\_restore
PostgreSQL pg\_dump
 -Fc
 . psql , pg\_restore
가 .

1. PostgreSQL 1  
\$ pg\_ctl -D /path/to/server1/data start

2.  
\$ pg\_dump -Fc pg\_c\_dump > pg\_c\_dump.backup

3. PostgreSQL 2  
\$ pg\_ctl -D /path/to/server2/data start

4.  
\$ createdb -p 5433 pg\_c\_dump

5.  
\$ pg\_restore -p 5433 -d pg\_c\_dump pg\_c\_dump.backup
  
6.  
\$ psql -p5433 pg\_c\_dump

3. PostgreSQL pg\_dumpall psql pg\_dumpall , pg\_dumpall , postgres  
<https://www.postgresql.org/docs/current/static/app-pg-dumpall.html>

```
1.PostgreSQL      1
$ pg_ctl -D /path/to/server1/data start

2.
$ pg_dumpall > pg_dumpall.backup

3.PostgreSQL      2
$ pg_ctl -D /path/to/server2/data start

5.
$ psql -p 5433 -f pg_dumpall.backup postgres

6.
$ psql -p 5433 pg_dumpall
```

```
pg_backup
tar
data      tar      .tar      c
, f          가
pg_ctl      .tar      .tar      .tar
-700
-p          -m      ,         가
-4          -C
```

```
1. PostgreSQL  
$ pg_ctl -D /path/to/server/data stop  
  
2.  
$ cd /path/to/server/data  
$ tar cf backup.tar *
```

```
Last      postgresql_
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```

```
3.
$ mkdir -m 700 -p /path/to/server/backup/data
$ tar xf backup.tar -C /path/to/server/backup/data
```

#### 4. PostgreSQL

```
$ pg_ctl -D /path/to/server/backup/data start
```

5.

```
$ psql pg_backup
```

가 가 가

가

pg\_basebackup pg\_xlog Ahead Log  
PG 10 pg\_wal pg\_wal (PG 9.x WAL(Write)

pg\_wal pg\_wal WAL  
,

- WAL backup\_wal postgresql.conf (1 )

```
wal_level = archive
archive_mode = on
archive_command = 'cp %p /home/bylee/test/backup/wals/%f'
archive_timeout = 1min
```

- pg\_basebackup data

```
pg_basebackup -D /home/bylee/test/data
```

- recovery.conf data , restore\_command WAL

( )

```
restore_command = 'cp /home/bylee/test/backup/wals/%f %p'
```

( )

```
restore_command = 'cp /home/bylee/test/backup/wals/%f %p'
recovery_target_time = '2018-05-09 13:50:00'
```

- 가 recovery.conf recovery.done

<https://www.postgresql.org/docs/current/static/recovery-target-settings.html>

가

tar				pg_wal
WAL				WAL
가				

2가 , 3.1

- WAL backup\_wal (1 )
- postgresql.conf 가

```
wal_level = archive
archive_mode = on
archive_command = 'cp %p /home/bylee/test/backup/wals/%f'
archive_timeout = 1min
```

- tar data . data pg\_wal

```
cd /path/to/data
tar cf backup.tar *
tar xf backup.tar /path/to/new/data
```

- recovery.conf /path/to/new/data , restore\_command  
WAL

```
restore_command = 'cp /home/bylee/test/backup/wals/%f %p'
```

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```
restore_command = 'cp /home/bylee/test/backup/wals/%f %p'
recovery_target_time = '2018-05-09 13:50:00'
```

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가 recovery.conf recovery.done

: <https://www.postgresql.org/docs/current/static/recovery-target-settings.html>

- <https://bylee5.tistory.com/73>

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