

PostgreSQL

SQL

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PostgreSQL

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PostgreSQL3가 .

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

SQL

PostgreSQL가 PostgreSQL가 가
pg_dump, pg_dumpall, pg_restore, psql가 , 4가
가 .

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

4가

1. pg_dump → psql
2. pg_dump → pg_restore
3. pg_dumpall → psql

1.

2 port
 . pg_dump agents
 PostgreSQL pg_dump
 agents ,

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. 2 port
 pg_c_dump . pg_dump pg_restore
 PostgreSQL pg_dump
 -Fc
 가 . psql , pg_restore

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.
                                2 port
                                pg_dumpall
pg_dumpall psql
PostgreSQL pg_dumpall
psql ,
, postgres
pg_dumpall
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
data tar tar pg_backup
, f , tar c
pg_ctl 가 tar
-C
700
-m , 가
-p 가

```

```

1.PostgreSQL
$ pg_ctl -D /path/to/server/data stop

2.
$ cd /path/to/server/data
$ tar cf backup.tar *

```

```
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

pg_xlog (Ahead Log) , pg_wal (PG 9.x WAL(Write Ahead Log))

pg_basebackup PG 10 , pg_wal

pg_wal wals WAL

WAL backup_wal (1)

postgresql.conf 가

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

• pg_basebackup data

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

• recovery.conf data , restore_command WAL

()

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

()

```
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>

가

WAL tar , data pg_wal pg_wal WAL
가 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'
```

```
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>

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

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