



Enhance Tools For PostgreSQL

2010.05.20

NTT OSS Center

Tomonari Katsumata

Introduction

pg_reorg
re-organizing tool

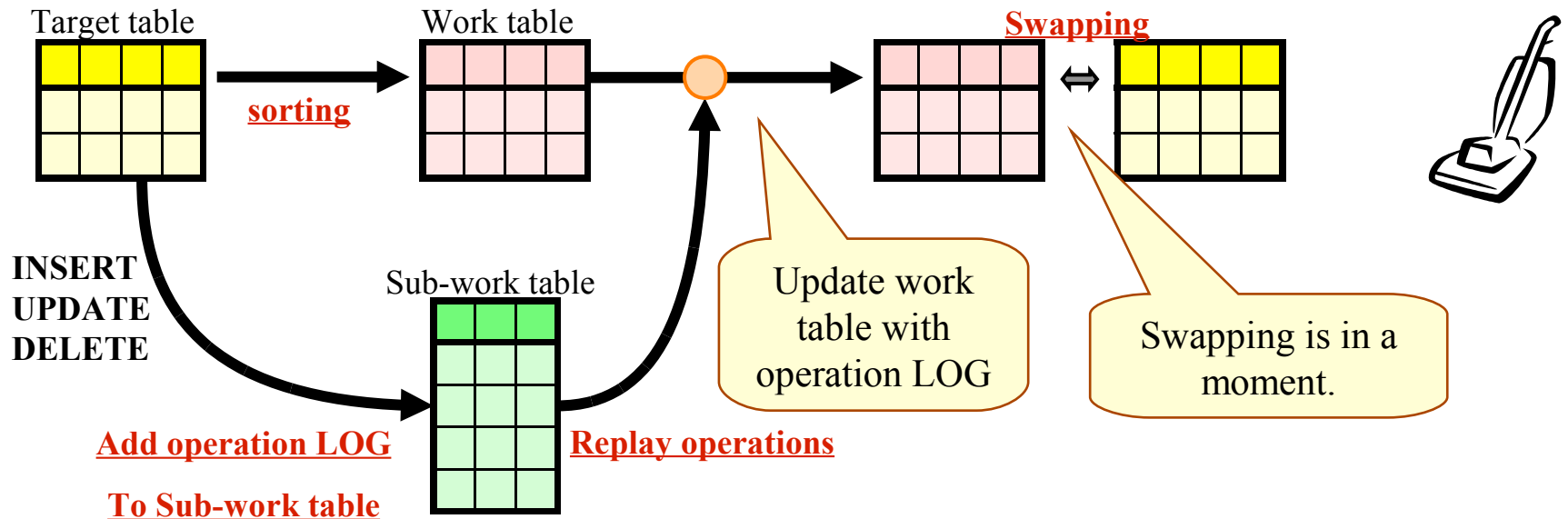
pg_rman
ONLINE backup tool

pglesslog
WAL compress and
decompress tool

NTT OSS Center has developed these tools, and made them to Open Source Software. So I want many people to try them. These tools make you to manage PostgreSQL easily !

pg_reorg

- pg_reorg can re-organize table with very short locks.
 - PostgreSQL has “CLUSTER” command to re-organize table, but it needs to lock the table in mode “EXCLUSIVE LOCK” for a long time.

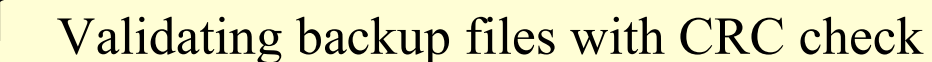


pg_rman

- pg_rman is online backup using very simply
 - online backup is too complex for novice DBAs.
 - Considering tablespace
 - Creating recovery.conf
 - Managin some periodical backup ... etc
 - pg_rman is easy to use like pg_dump.

```
$ pg_ctl start
```

```
$ pg_rman backup --backup-mode=full --with-serverlog
```

```
$ pg_rman validate 
```

```
$ pg_ctl stop -m immediate
```

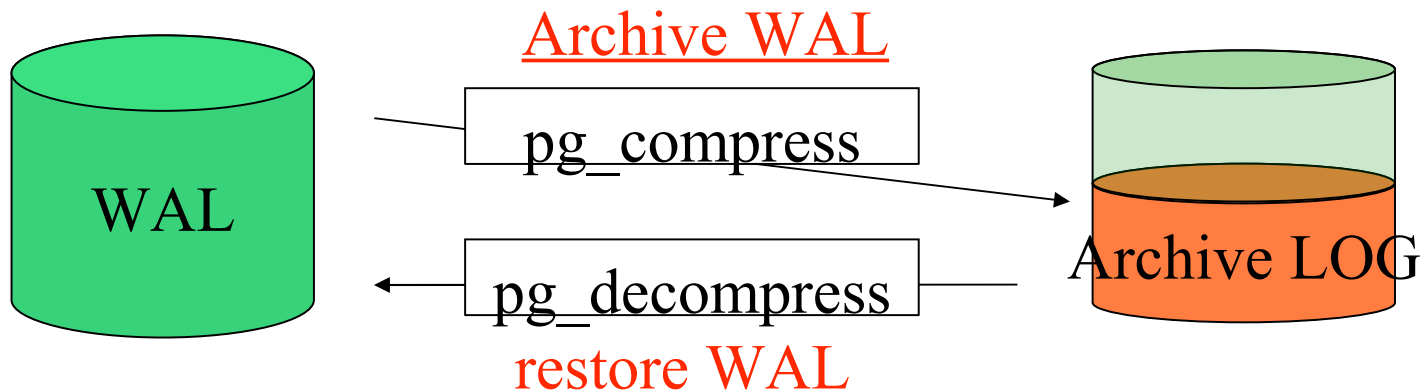
```
$ pg_rman restore 
```

```
$ pg_ctl start
```

- VERY SIMPLE !

pglesslog

- pglesslog is a set of tools to reduce the size of PostgreSQL Archive log.
 - Some cases, we need Archive LOG long time
- pg_compress / pg_decompress
 - pg_compress removes “full-page-image” from WAL to reduce the size
 - pg_decompress rebuild WAL to replay it.



Let's try them !

- Thank you.
 - pg_reorg
 - <http://reorg.projects.postgresql.org/index.html>
 - pg_rman
 - <http://code.google.com/p/pg-rman/>
 - pglesslog
 - <http://pglesslog.projects.postgresql.org/>
- To Be Continued with above WEB Pages ...
ACCESS !