

Features of PGCluster

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Features

- BSD licenced
- Multi-master synchronous replication
- Load balancer included
- HA
- Maintenance tools

Replication

- Multi-master & synchronous
- Query based replication
 - SELECT,INSERT,UPDATE,DELETE
 - CREATE xx, DROP xx
 - now(),random()...
 - Copy
 - Restore dump datas
 - Prepared query
 - Partial replication

Load balancer

- Based on pgpool
 - Manual weighted
 - Not mandatory

HA

- Mutually life check
- Automatic fail over
- Dynamic add server with data sync
- Dynamic version upgrade

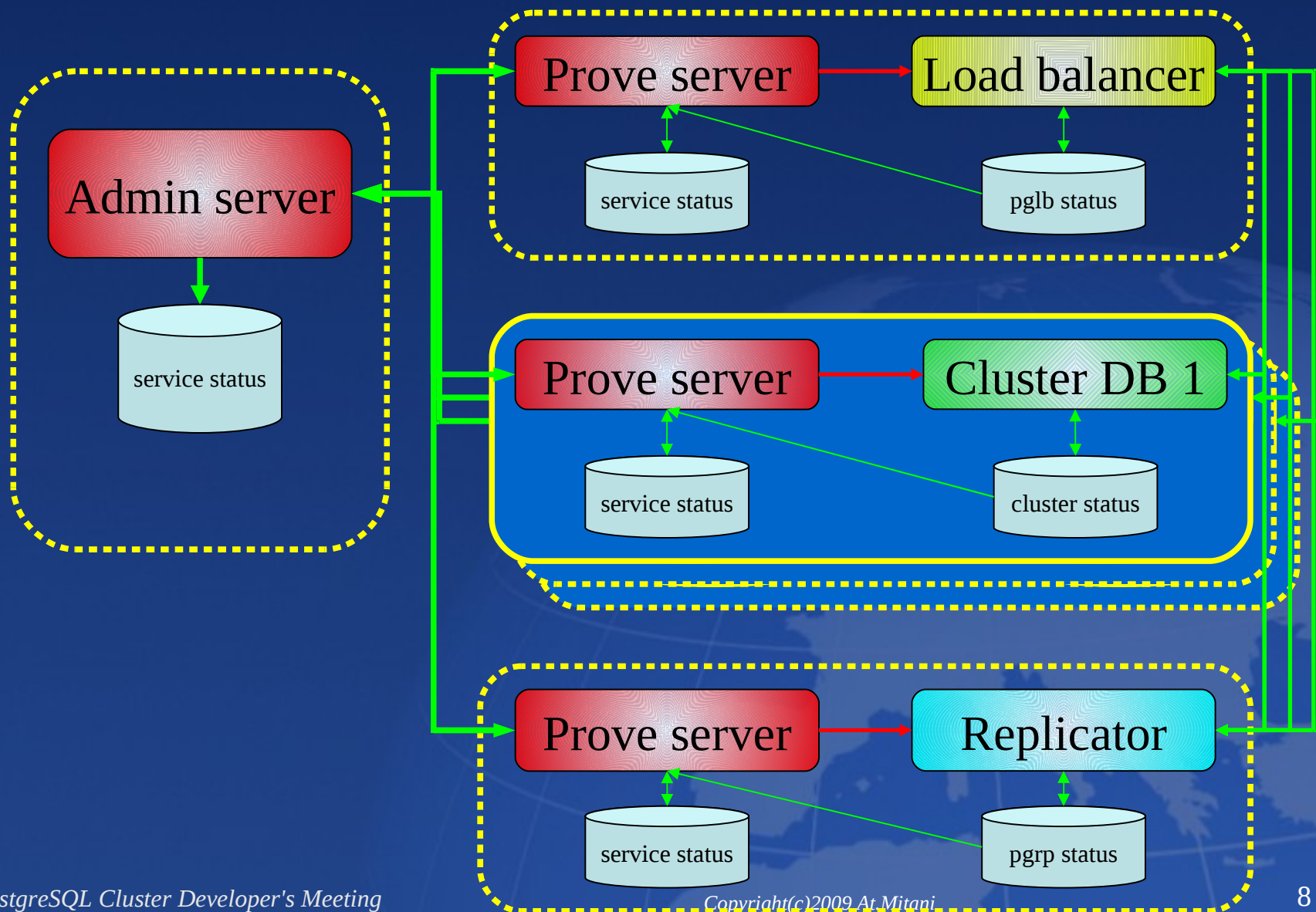
Maintenance tools (new)

- Administration server
 - Status monitoring
 - Automatic recovery
- Install support
 - Generate all setup files
 - Generate all key files
 - Copy all environments
 - Setup files, key files, binary files

Issues

- No write scale out
 - 10% of write query is divide ridge
- Need unique patch at each minor versions

Server structure



Thank you

- You can download from pgFoundry
 - <http://pgfoundry.org/projects/pgcluster/>
- Please send e-mail when you have any question
 - mitani@sraw.co.jp
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