New features of PGCluster

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Atsushi Mitani
More Stable
PGCluster structure

- Physical server
  - Server service

- Load balancer
- Cluster DB
- Replicator

Life checking each other through the network
Server structure

Administration service (pgc_admin) and information probe service (pgc_probe) are added into the pgcluster services.
Service component

Admin server

Prove server

Load balancer

Cluster DB 1

Replicator

Prove server

Cluster DB 1

service status

pglb status

service status

cluster status

service status

pgrp status

service status
Automatic recovery

Service status

Check recovery plan

Service died

Ask service status

Notice the service status

Confirm the service status

Confirmed the service status

Sync service status during all server

Request the service recovery

Service status as response

Execute the service recovery start

Service died

pgrp/cluster status

pglb/pgrp/cluster status

Detect service fail down

Service status changed

pglb/pgrp/cluster status

pglb/pgrp/cluster status

Service Fail down
Simple
Generated setup files

Only one file should be described

server.conf

pgc_admin.conf
pgc_probe.conf
server.pem
client.pem
root.pem
rootcert.pem

pglb.conf
pgreplicate.conf
cluster.conf
postgresql.conf
pg_hba.conf

$ pgc_admin_init

$ pgc_admin_init install
Thank you

- You can download from pgFoundry
- Please send e-mail when you have any question
  - mitani@sraw.co.jp
  - pgcluster-general@pgfounfdry.org