

pgBackRest

Practical Applications

Review

<https://tinyurl.com/ybgyem2l>

Definitions

- Repository host: This is the server that backups occur from
- Master: This is the host that is running the master for the database cluster
- Slave: This is a box that is or will become the slave of the master for the cluster

Master postgresql.conf

```
listen_addresses = '*'  
wal_level = logical  
archive_mode = on  
archive_command = 'pgbackrest --stanza=demo-cluster archive-push %p'  
max_wal_senders = 10
```

Master pgbackrest.conf

```
[root@ip-172-30-0-76 ec2-user]# cat /etc/pgbackrest.conf  
[global]  
repo1-path=/var/lib/pgbackrest  
  
[demo-cluster]  
backup-host=[repository-host-or-ip]  
backup-user=postgres  
pg1-path=/var/lib/pgsql/10/data
```

Master postgres ssh

```
[bash-4.2$ ssh 34.237.2.212
The authenticity of host '34.237.2.212 (34.237.2.212)' can't be established.
ECDSA key fingerprint is SHA256:v+Ndu31UO+BBv9MyPLrXCiXHLhSXpQj9jJ9UD1PMk8.
ECDSA key fingerprint is MD5:a0:97:57:fe:78:4f:73:4d:72:c3:04:f3:30:b1:a0:60.
[Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '34.237.2.212' (ECDSA) to the list of known hosts.
Last login: Tue May 22 20:29:25 2018
-bash-4.2$
```

Repository pgbackrest.conf

```
[root@ip-172-30-0-34 etc]# cat pgbackrest.conf
[global]
repol-path=/var/lib/pgbackrest
repol-retention-full=3
start-fast=y

[demo-cluster]
pg1-host=[master-host]
pg1-host-user=postgres
pg1-path=/var/lib/pgsql/10/data
[root@ip-172-30-0-34 etc]# vim pgbackrest.conf
```

Repository Create Stanza

```
[bash-4.2$ pgbackrest --stanza=demo-cluster stanza-create
[bash-4.2$ echo $?
0
```

Repository Check Stanza

```
[bash-4.2$ pgbackrest --stanza=demo-cluster check  
[bash-4.2$ echo $?  
0
```

Repository Take Backup

```
pgbackrest --stanza=demo-cluster --log-level-console=info backup
```

```
pgbackrest --stanza=demo-cluster --log-level-console=info --type=incr backup
```

Create Slave Config

```
[bash-4.2$ cat /etc/pgbackrest.conf
[global]
repol-path=/var/lib/pgbackrest
recovery-option=standby_mode=on
recovery-option=primary_conninfo=host=18.205.3.144 port=5432 user=repl password=repl
recovery-option=trigger_file=/var/lib/pgsql/10/data/failover.txt
recovery-option=recovery_target_timeline=latest

[demo-cluster]
backup-host=34.201.16.83
backup-user=postgres
pg1-path=/var/lib/pgsql/10/data
```

Create Slave

```
service postgresql-10 stop
```

```
pgbackrest --stanza=demo-cluster --delta --force restore
```