

GIS - Support #12895

Migrate backups to Bung

16/09/2021 12:27 - Philippe May

Status:	Resolved	Start date:	16/09/2021
Priority:	Normal	Due date:	
Assignee:	Philippe May	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Description			
It's long time overdue to move backups of the gisdb VM to Bung.			

History

#1 - 16/09/2021 14:28 - Charles Atkinson

Very good :)

#2 - 16/09/2021 15:47 - Philippe May

Installed the latest (3.1.1) Bung .deb from <https://redmine.auroville.org.in/projects/bung/files> .

Installed packages at and lsscsi which are needed (maybe shouldn't they be optional?)

Playing with bung, filing tickets for Charles ;)

#3 - 16/09/2021 15:53 - Philippe May

Copied the provided sample super_bu sample config to /etc/bung/super_bu.conf

Then added for postgres:

Subsidiary script = postgres_bu pg.conf

with a minimal /etc/bung/pg.conf:

```
root@gisdb:/var/log/bung# cat /etc/bung/pg.conf
PostgreSQL =
```

Test run with super_bu -c /etc/bung/super_bu.conf

The log file reports a missing directory, fixing with:

```
mkdir -p /var/backup/postgres
```

#4 - 16/09/2021 16:26 - Philippe May

After a run with `super_bu -c /etc/bung/super_bu.conf`, found something happened:

```
root@gisdb:/var/log/bung# ll /var/backup/postgres/avgis/avgis-2021-09-16@15\53\00.sql
-rw-r--r-- 1 root root 97635587 Sep 16 15:53 '/var/backup/postgres/avgis/avgis-2021-09-16@15:53:00.sql'
```

By the way, that file is not a sql script: the file extension is misleading (@Charles, if you read this... innocent.png)

Now, i suppose that i need to add a command to push via rsync, **after** the postgres_bu Subsidiary script (I didn't find it explicit in the documentation).

So:

```
root@gisdb:/var/log/bung# tail -n 2 /etc/bung/super_bu.conf
Subsidiary script = postgres_bu pg.conf
Subsidiary script = rsync_bu to_remote.conf nice=19
```

```
root@gisdb:/var/log/bung# cat /etc/bung/to_remote.conf
rsync = /var/backup/ backup-rsync.iciti.av:/srv/remote_backup/gisdb.csr.av
```

Note that the rsync destination was found in the config of the current backup tool:

```
root@gisdb:/var/log/bung# tail -n 1 /etc/default/autopostgresqlbackup
POSTBACKUP="rsync -a /var/lib/autopostgresqlbackup/daily/avgis backup-rsync.iciti.av:/srv/remote_backup/gisdb.csr.av"
```

#5 - 16/09/2021 16:56 - Philippe May

- Assignee changed from Philippe May to Charles Atkinson

Ran the command `super_bu -c /etc/bung/super_bu.conf`.

From the log file, it seems that bung deleted on the remote server all backups done previously. That should free a lot of space there, but let's hope they won't be needed.

Eg:

```
...
deleting avgis/avgis_2021-06-18_22h35m.Friday.sql.gz
deleting avgis/avgis_2021-06-17_22h35m.Thursday.sql.gz
deleting avgis/avgis_2021-06-16_22h35m.Wednesday.sql.gz
deleting avgis/
...
```

I guess our postgres DB has been backed up and pushed to the backup server.

I'd feel more comfortable if:

@Charles, could you check if the backup has reached the remote server, before i schedule the bung job?

Note: i haven't decided yet if i'll keep `autopostgresqlbackup` altogether. Maybe i'll keep it and remove the `rsync` post-hook.

#6 - 17/09/2021 08:35 - Charles Atkinson

- Assignee changed from Charles Atkinson to Philippe May

Charles, could you check if the backup has reached the remote server, before i schedule the bung job?

```
root@backup5.iciti.av:~# tree /srv/backup/gisdb.csr.av
/srv/backup/gisdb.csr.av
├── avgis
│   ├── avgis_2021-09-10_22h35m.Friday.sql.gz
│   ├── avgis_2021-09-12_22h35m.Sunday.sql.gz
│   ├── avgis_2021-09-13_22h35m.Monday.sql.gz
│   ├── avgis_2021-09-14_22h35m.Tuesday.sql.gz
│   ├── avgis_2021-09-15_22h35m.Wednesday.sql.gz
│   └── avgis_2021-09-16_22h35m.Thursday.sql.gz
├── _Changed and deleted files
│   └── 2021
│       └── Sep
│           └── 16@16:27
│               └── avgis
│                   └── avgis_2021-06-16_22h35m.Wednesday.sql.gz
```

avgis_2021-06-17_22h35m.Thursday.sql.gz
avgis_2021-06-18_22h35m.Friday.sql.gz
avgis_2021-06-20_22h35m.Sunday.sql.gz
avgis_2021-06-21_22h35m.Monday.sql.gz
avgis_2021-06-22_22h35m.Tuesday.sql.gz
avgis_2021-06-23_22h35m.Wednesday.sql.gz
avgis_2021-06-24_22h35m.Thursday.sql.gz
avgis_2021-06-27_22h35m.Sunday.sql.gz
avgis_2021-06-28_10h05m.Monday.sql.gz
avgis_2021-06-28_22h35m.Monday.sql.gz
avgis_2021-06-29_22h35m.Tuesday.sql.gz
avgis_2021-06-30_22h35m.Wednesday.sql.gz
avgis_2021-07-01_22h35m.Thursday.sql.gz
avgis_2021-07-02_22h35m.Friday.sql.gz
avgis_2021-07-04_22h35m.Sunday.sql.gz
avgis_2021-07-05_22h35m.Monday.sql.gz
avgis_2021-07-06_22h35m.Tuesday.sql.gz
avgis_2021-07-07_22h35m.Wednesday.sql.gz
avgis_2021-07-08_22h35m.Thursday.sql.gz
avgis_2021-07-09_22h35m.Friday.sql.gz
avgis_2021-07-11_22h35m.Sunday.sql.gz
avgis_2021-07-12_22h35m.Monday.sql.gz
avgis_2021-07-13_22h35m.Tuesday.sql.gz
avgis_2021-07-14_22h35m.Wednesday.sql.gz
avgis_2021-07-15_22h35m.Thursday.sql.gz
avgis_2021-07-16_15h33m.Friday.sql.gz
avgis_2021-07-16_22h35m.Friday.sql.gz
avgis_2021-07-18_22h35m.Sunday.sql.gz
avgis_2021-07-19_22h35m.Monday.sql.gz
avgis_2021-07-20_22h35m.Tuesday.sql.gz
avgis_2021-07-21_22h35m.Wednesday.sql.gz
avgis_2021-07-22_22h35m.Thursday.sql.gz
avgis_2021-07-23_22h35m.Friday.sql.gz
avgis_2021-07-25_22h35m.Sunday.sql.gz
avgis_2021-07-26_22h35m.Monday.sql.gz
avgis_2021-07-27_22h35m.Tuesday.sql.gz
avgis_2021-07-28_22h35m.Wednesday.sql.gz
avgis_2021-07-29_22h35m.Thursday.sql.gz
avgis_2021-07-30_22h35m.Friday.sql.gz
avgis_2021-08-01_22h35m.Sunday.sql.gz
avgis_2021-08-02_22h35m.Monday.sql.gz
avgis_2021-08-03_22h35m.Tuesday.sql.gz
avgis_2021-08-04_22h35m.Wednesday.sql.gz
avgis_2021-08-05_22h35m.Thursday.sql.gz
avgis_2021-08-06_22h35m.Friday.sql.gz
avgis_2021-08-08_22h35m.Sunday.sql.gz
avgis_2021-08-09_22h35m.Monday.sql.gz
avgis_2021-08-10_22h35m.Tuesday.sql.gz
avgis_2021-08-11_22h35m.Wednesday.sql.gz
avgis_2021-08-12_22h35m.Thursday.sql.gz
avgis_2021-08-13_22h35m.Friday.sql.gz
avgis_2021-08-15_22h35m.Sunday.sql.gz
avgis_2021-08-16_22h35m.Monday.sql.gz
avgis_2021-08-17_22h35m.Tuesday.sql.gz
avgis_2021-08-18_22h35m.Wednesday.sql.gz
avgis_2021-08-19_22h35m.Thursday.sql.gz
avgis_2021-08-20_22h35m.Friday.sql.gz
avgis_2021-08-22_22h35m.Sunday.sql.gz
avgis_2021-08-23_22h35m.Monday.sql.gz
avgis_2021-08-24_22h35m.Tuesday.sql.gz
avgis_2021-08-25_22h35m.Wednesday.sql.gz
avgis_2021-08-26_22h35m.Thursday.sql.gz
avgis_2021-08-27_22h35m.Friday.sql.gz
avgis_2021-08-29_22h35m.Sunday.sql.gz
avgis_2021-08-30_22h35m.Monday.sql.gz
avgis_2021-08-31_22h35m.Tuesday.sql.gz
avgis_2021-09-01_22h35m.Wednesday.sql.gz
avgis_2021-09-02_22h35m.Thursday.sql.gz
avgis_2021-09-03_22h35m.Friday.sql.gz
avgis_2021-09-05_22h35m.Sunday.sql.gz
avgis_2021-09-06_22h35m.Monday.sql.gz
avgis_2021-09-07_11h35m.Tuesday.sql.gz
avgis_2021-09-07_22h35m.Tuesday.sql.gz
avgis_2021-09-08_22h35m.Wednesday.sql.gz
avgis_2021-09-09_22h35m.Thursday.sql.gz

```

├── avgis_2021-09-10_22h35m.Friday.sql.gz
├── avgis_2021-09-12_22h35m.Sunday.sql.gz
├── avgis_2021-09-13_22h35m.Monday.sql.gz
├── avgis_2021-09-14_22h35m.Tuesday.sql.gz
└── avgis_2021-09-15_22h35m.Wednesday.sql.gz
└── postgres
    ├── avgis
    │   ├── avgis-2021-09-16@15:53:00.sql
    │   └── avgis-2021-09-16@16:26:39.sql
    ├── global-2021-09-16@15:53:00.sql
    ├── global-2021-09-16@16:26:38.sql
    ├── phil
    │   ├── phil-2021-09-16@15:53:00.sql
    │   └── phil-2021-09-16@16:26:39.sql
    └── postgres
        ├── postgres-2021-09-16@15:53:00.sql
        └── postgres-2021-09-16@16:26:39.sql

```

10 directories, 95 files

#7 - 21/09/2021 12:32 - Philippe May

Thanks, looks OK to me.

Configure systemd service:

```

root@gisdb:~# cat /etc/systemd/system/bung.service
[Unit]
Description=Backup Postgres and push to Aurinoco's server

[Service]
ExecStart=/usr/bin/super_bu -c /etc/bung/super_bu.conf

```

Add timer:

```
systemctl enable --now bung.timer
```

Deactivate uploads from autopostgresqlbackup (commented out rsync):

```

root@gisdb:~# tail -n 1 /etc/default/autopostgresqlbackup
#POSTBACKUP="rsync -a /var/lib/autopostgresqlbackup/daily/avgis backup-rsync.iciti.av:/srv/remote_backup/gisdb
.csr.av"

```

#8 - 12/11/2021 00:36 - Philippe May

- % Done changed from 0 to 100

- Status changed from New to Resolved

Closing now: all seems OK, with daily mails telling that the backups are successful and remote file system is 22% full innocent.png