

## Packages - Bug #3028

### postgresql installation and postgresql-openrc issue

2021-05-10 06:31 AM - 0xddc

<b>Status:</b> confirmed	<b>% Done:</b> 0%
<b>Priority:</b> bug	
<b>Assignee:</b>	
<b>Category:</b>	
<b>Description</b>	

#### History

##### #1 - 2021-05-11 12:48 AM - bill-auger

- Status changed from unconfirmed to confirmed

i have identified 4 bugs with one of postgresql, postgresql-openrc, opentmpfiles, or opensysusers

bug 1: (opentmpfiles) patch is broken

this was my bad - i had multiple WIP versions of the 'chattr-ignore-nocow.patch' patch, and i used the wrong one

bug 2: (postgresql-openrc?) HINT: is wrong

```
$ sudo rc-service postgresql start
[sudo] pasvorto por bill:
* /var/lib/postgres/data/postgresql.conf not found
* HINT: mv /var/lib/postgres/data/*.conf /var/lib/postgres/data/
* ERROR: postgresql failed to start
```

-----  
bug 3: (postgresql?) TODO: 'data' dir is not supposed to exist before running `initdb`

```
$ sudo ls /var/lib/postgres/data/
```

-----  
bug 4: (opensysusers?) PG user should have shell

```
$ sudo -iu postgres
This account is currently not available.

$ grep postgres /etc/passwd
postgres:x:968:968:PostgreSQL user:/var/lib/postgres:/sbin/nologin

$ cat /usr/share/libalpm/hooks/20-opensysusers.hook
[Trigger]
Type = File
Operation = Install
Operation = Upgrade
Target = usr/lib/sysusers.d/*.conf

[Action]
Description = Creating system user accounts...
When = PostTransaction
Exec = /usr/share/libalpm/scripts/sysusers-hook sysusers
NeedsTargets

$ pkgfile /usr/lib/sysusers.d/postgresql.conf
extra/postgresql

$ cat /usr/lib/sysusers.d/postgresql.conf
u postgres - "PostgreSQL user" /var/lib/postgres /bin/bash
```

##### #2 - 2021-06-04 11:41 AM - bill-auger

- Description updated

bug 1: (opentmpfiles) is fixed in abslibre

### #3 - 2022-05-22 06:35 AM - Zuss

bug 2 + 3:

This is caused by the postgres init file and the code block is shown here:

```
# Check for the existence of PostgreSQL's config files, and set the
# proper mode and ownership.
# Only three files should be checked as potentially other files
# may be in PGDATA that should not be touched.
local file
for file in postgresql pg_hba pg_ident ; do
    file="${PGDATA%}//${file}.conf"
    if [ -f "${file}" ] ; then
        checkpath -f -m 0600 -o postgres:postgres "${file}"
    else
        eerror "${file} not found"
        eerror "HINT: mv ${DATA_DIR%}//*.conf ${PGDATA}"
        return 1
    fi
done
```

The problem is that the Arch package creates the `/var/lib/postgres/data` dir upon installation which is empty by default and will always lead to this case being executed until you run the `initdb` command.

Perhaps we can add on the same hint line something like "or make sure you have run `initdb`"

bug 4:

This looks to be fixed in v14.3. The postgres user has shell access

```
$ grep postgres /etc/passwd
postgres:x:958:958:PostgreSQL user:/var/lib/postgres:/bin/bash
```