

Pulp - Story #5832

As a developer, ansible-pulp will provide me with the cool postgres WebGUI

12/03/2019 11:35 PM - mdepaulo@redhat.com

Status: NEW	Start date:
Priority: Normal	Due date:
Assignee:	% Done: 0%
Category: Installer	Estimated time: 0:00 hour
Sprint/Milestone:	Tags: CI/CD
Platform Release:	Sprint:
Groomed: No	Quarter:
Sprint Candidate: No	

Description

The following PoC was done. For implementation, it can be incorporated into the pulp-devel role, and pulplift.

On the host, reconnect to the pulplift VM pulp3-source-fedora31 with a new SSH tunnel (this will be added to pulplift config during implementation):

```
vagrant ssh pulp3-source-fedora31 -- -L 8443:127.0.0.1:8443
```

On the pulplift VM pulp3-source-fedora31:

Modified /var/lib/pgsql/data/pg_hba.conf to replace the 127.0.0.1 line with:

```
host all all 0.0.0.0/0 md5
```

(Because the container has a NAT'd IP address.)

Modified /var/lib/pgsql/data/postgresql.conf to contain

```
listen_addresses = '*'
```

(Because otherwise it's localhost only; see above.)

```
sudo systemctl restart postgresql.service
```

```
sudo dnf install -y podman-docker
```

```
docker pull dpage/pgadmin4
```

```
# "--restart always" will be ignored for podman-docker. Only real docker/moby-engine will use it. podman will need a systemd unit to survive VM reboots.
```

```
docker run --restart always -p 8443:8443 -e 'PGADMIN_DEFAULT_EMAIL=user@domain.com' -e 'PGADMIN_DEFAULT_PASSWORD=SuperSecret' -e 'PGADMIN_LISTEN_PORT=8443' -d dpage/pgadmin4
```

Now back on your host:

Open your browser to:
<http://127.0.0.1:8443/>

And login with the username/email and password listed above.

Then create a new connection to:
The IP address of the pulplift VM
database: pulp
user: pulp
password: pulp
(These settings will later be set via PGADMIN_SERVER_JSON_FILE)

Reference:
https://www.pgadmin.org/docs/pgadmin4/latest/container_deployment.html#examples

History

#1 - 12/12/2019 06:59 PM - fao89

- Tags CI/CD added

#2 - 05/13/2020 10:20 PM - bmbouter

- Category set to Installer

- Tags deleted (Pulp 3 installer)

#3 - 09/25/2020 06:54 AM - dalley

So I first suggested pgadmin because I thought it was kind of an official tool, apparently it's just a community tool just like any other community tool. I didn't do much research towards what other alternatives existed.

Apparently, out of all the commonly-used GUI database tools for postgres, PGAdmin4 is actually considered to be the most painful and unituitive to use and to set up (especially to set up). Actually the fact that it's such a pain to set up is the reason this issue was filed in the first place.

If other tools like DBeaver (FOSS) and JetBrains DataGrip are better and also vastly easier to set up, then I'm not sure how much we need this issue any longer. Maybe the only thing we need to do is add some notes or a default (developer-only) configuration for exposing the database through the VM to make it easier to connect to from a developer system.

#4 - 09/25/2020 07:09 AM - dalley

Yeah, can confirm that DBeaver is muuuuch easier to set up. It's available as a flatpak so the only setup involved is whatever is required to connect through the VM boundary.

#5 - 10/14/2020 07:13 PM - dalley

- Subject changed from *As a developer, ansible-pulp will provide me with the cool postgres WebGUI pgadmin4* to *As a developer, ansible-pulp will provide me with the cool postgres WebGUI*