FreeBSD Administration - Bug #502

Can Not Create Shared Memory Segment in FreeNAS Jail

12/18/2014 11:00 PM - Daniel Curtis

Status:	Closed		**Start date:**	12/18/2014
Priority:	Normal		**Due date:**	
Assignee:	Daniel Curtis		**% Done:**	100%
Category:	Jails / Containers		**Estimated time:**	0.50 hour
Target version:	FreeNAS 9.x		**Spent time:**	1.00 hour

Description

I cam across a problem while setting up a PostgreSQL database server inside of a FreeNAS jail. The problem occurred after I installed the package and went to initialize the database.

- I initialized the database with the following command:

  ```
  service postgresql initdb
  ```

  - However the process failed with the following error

    ```
    creating template1 database in /usr/local/pgsql/data/base/1 ... FATAL:  could not create s
    hared memory segment: Function not implemented
    DETAIL:  Failed system call was shmget(key=1, size=48, 03600).
    child process exited with exit code 1
    initdb: removing data directory "/usr/local/pgsql/data"
    ```

- After searching around a bit I found that I needed to add the following sysctl value during the jail's creation:

  ```
  allow.sysvipc=true
  ```

  - Or from the shell, alternatively:

    ```
    warden set flags <jail_name> allow.sysvipc=true
    ```

Resources

- https://pcbsd.org/showthread.php?p=107171
- https://forums.freenas.org/index.php?threads/postgresql-in-plugin-jail.9058/

History

#1 - 12/19/2014 11:41 AM - Daniel Curtis

- Status changed from New to Resolved

- % Done changed from 0 to 100

#2 - 12/26/2014 07:16 PM - Daniel Curtis

- Status changed from Resolved to Closed

#3 - 02/14/2015 10:44 AM - Daniel Curtis

- Target version set to 5

#4 - 02/14/2015 11:22 AM - Daniel Curtis

- Category set to Network Attached Storage

- Target version changed from 5 to FreeNAS 9.x

#5 - 02/14/2015 12:02 PM - Daniel Curtis

- Category changed from Network Attached Storage to Jails / Containers