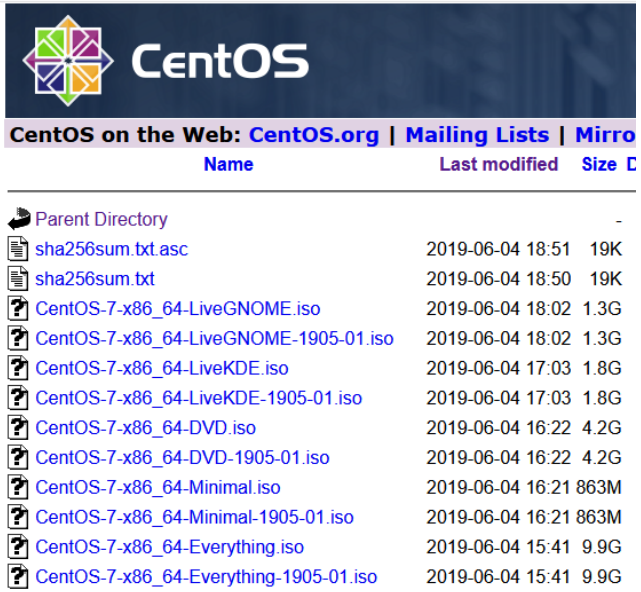
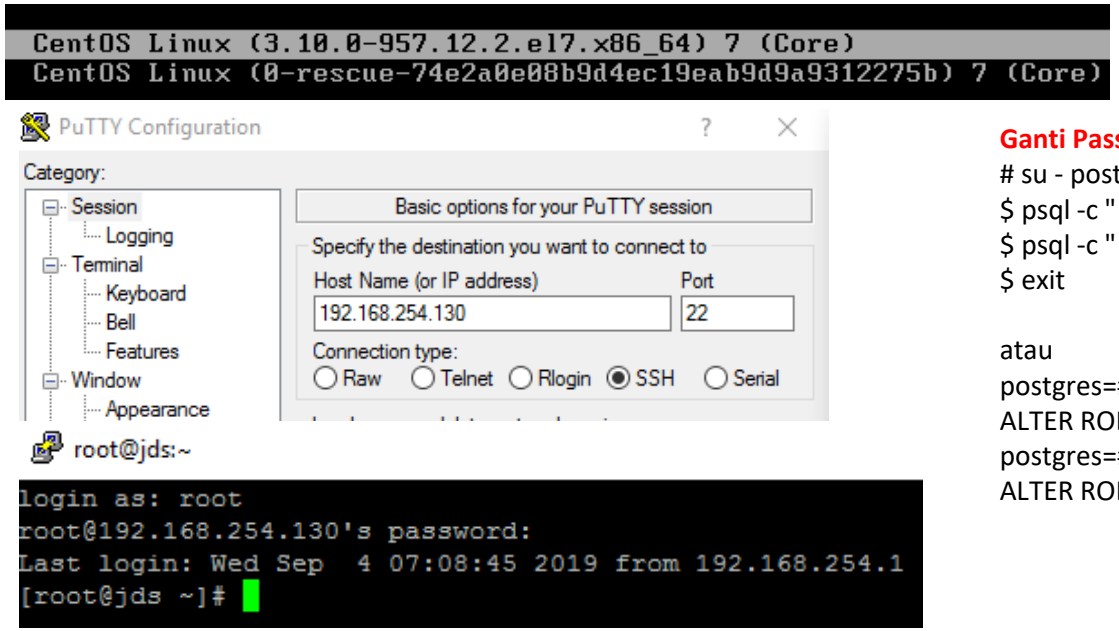
https://buildlogs.centos.org/rolling/7/isos/x86_64/





Ganti Password postgres

```
# su - postgres
$ psql -c " alter user postgres with password 'jdsIPSDH2019' "
$ psql -c " alter user postgres valid until 'infinity' "
$ exit

atau
postgres=# alter user postgres with password 'jdsIPSDH2019' ;
ALTER ROLE
postgres=# alter user postgres valid until 'infinity' ;
ALTER ROLE
```

Cek PostgreSQL

```
# pg_config --pkglibdir
# chmod a+x /usr/lib64/pgsql/st_geometry.so

versi 11
# cd /usr/pgsql-11/bin
 ./pg_config --pkglibdir
/usr/pgsql-11/lib

# sudo -u postgres psql -c "SELECT version();"
 postgres=# select version();
Buka terminal
# psql --version
```

Edit Hostname

```
# printf "\n192.168.254.130\tjds.ipsdh.lokal jds" >> /etc/hosts
# more /etc/hosts
127.0.0.1   localhost localhost.localdomain localhost4 localhost4.localdomain4
::1         localhost localhost.localdomain localhost6 localhost6.localdomain6

192.168.254.130 jds.ipsdh.lokal jds

# Set the hostname
# echo "jds.ipsdh.lokal" > /etc/hostname
# hostname
jds.ipsdh.lokal
```

```
# vi /var/lib/pgsql/11/data/pg_hba.conf
  # Accept from anywhere
host    all         all         0.0.0.0/0       md5
host    all         all         ::/0            md5 atau
host    all         all         all             md5
# vi /var/lib/pgsql/11/data/postgresql.conf
  listen_addresses = '*'
```

Paket PostgreSQL 11

https://yum.postgresql.org/repopackages.php#pg11
https://download.postgresql.org/pub/repos/yum/11/redhat/rhel-7-x86_64/

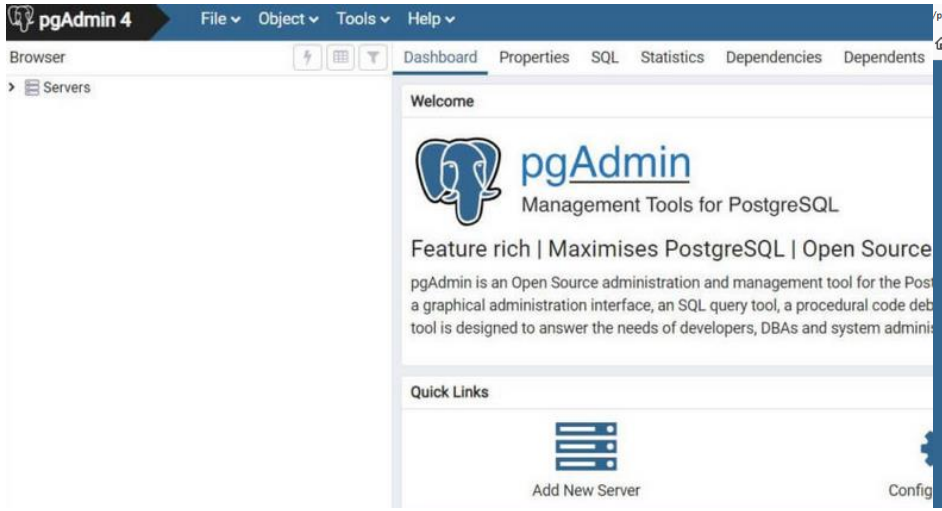
```
# yum install https://download.postgresql.org/pub/repos/yum/11/redhat/rhel-7-x86_64/pgdg-centos11-11-2.noarch.rpm
#  yum install postgresql11-server postgresql11-contrib –y
# /usr/pgsql-11/bin/postgresql-11-setup initdb
# systemctl enable postgresql-11.service
# systemctl start postgresql-11.service
# firewall-cmd --add-service=postgresql --permanent
# firewall-cmd --reload
```

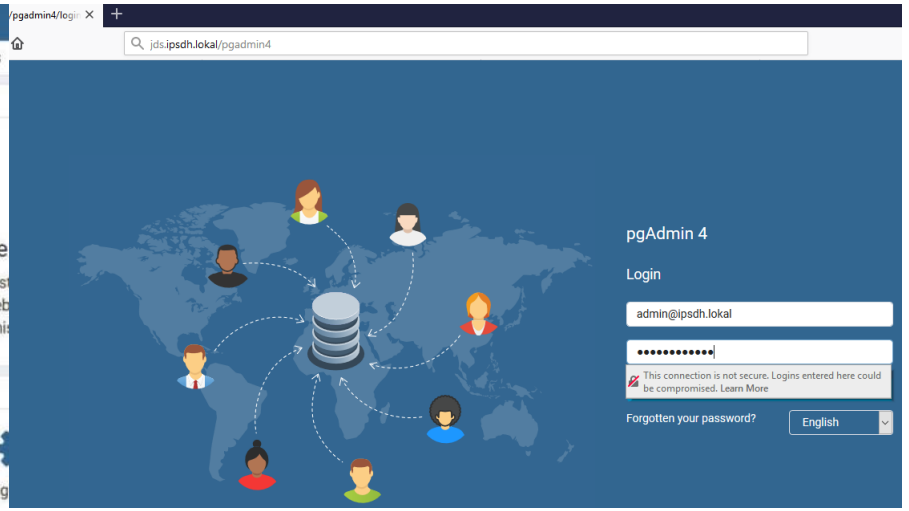
pgAdmin

```
# yum install pgadmin4 –y
# systemctl start httpd
# systemctl enable httpd
# firewall-cmd --permanent --add-service=http
# firewall-cmd --reload
# cp /etc/httpd/conf.d/pgadmin4.conf.sample /etc/httpd/conf.d/pgadmin4.conf
```

Lanjutan pgAdmin

```
# vi /etc/httpd/conf.d/pgadmin4.conf
<VirtualHost *:80>
ServerName jds.ipsdh.lokal
LoadModule wsgi_module modules/mod_wsgi.so
WSGIDaemonProcess pgadmin processes=1 threads=25
WSGIScriptAlias /pgadmin4 /usr/lib/python2.7/site-packages/pgadmin4-web/pgAdmin4.wsgi

<Directory /usr/lib/python2.7/site-packages/pgadmin4-web>
        WSGIProcessGroup pgadmin
        WSGIApplicationGroup %{GLOBAL}
        <IfModule mod_authz_core.c>
          # Apache 2.4
          Require all granted
        </IfModule>
        <IfModule !mod_authz_core.c>
          # Apache 2.2
          Order Deny,Allow
          Deny from All
          Allow from 127.0.0.1
          Allow from ::1
        </IfModule>
</Directory>
</VirtualHost>

# apachectl configtest
# mkdir /var/log/pgadmin4/ /var/lib/pgadmin4/
# vi /usr/lib/python2.7/site-packages/pgadmin4-web/config_distro.py
Tambahkan
LOG_FILE = '/var/log/pgadmin4/pgadmin4.log'
SQLITE_PATH = '/var/lib/pgadmin4/pgadmin4.db'
SESSION_DB_PATH = '/var/lib/pgadmin4/sessions'
STORAGE_DIR = '/var/lib/pgadmin4/storage'

# chown -R apache:apache /var/lib/pgadmin4/*
# chown -R apache:apache /var/log/pgadmin4/*
# chown -R apache:apache /var/lib/pgadmin4
# chown -R apache:apache /var/log/pgadmin4  ,atau
# chown -R apache:apache /var/lib/pgadmin4 /var/log/pgadmin4

# python /usr/lib/python2.7/site-packages/pgadmin4-web/setup.py
Enter the email address and password to use for the initial pgAdmin user account:
Email address: admin@ipsdh.lokal
Password: xxxxxxxxx
Retype password: xxxxxxxxx
pgAdmin 4 - Application Initialisation
==========
# systemctl restart httpd
http://jds.ipsdh.local/pgadmin4
```



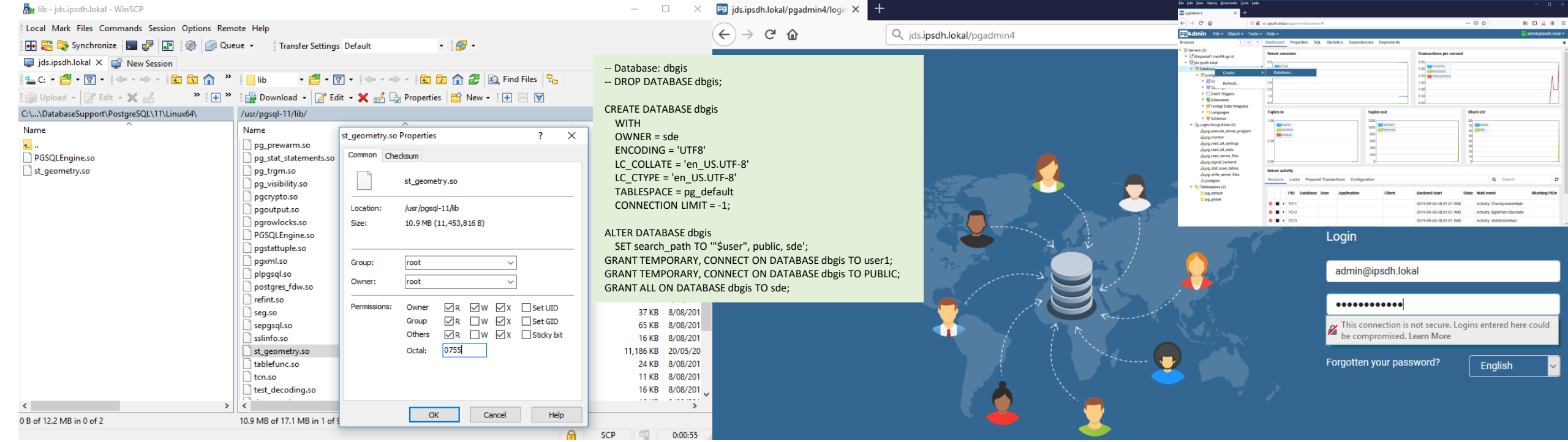


Fix error:

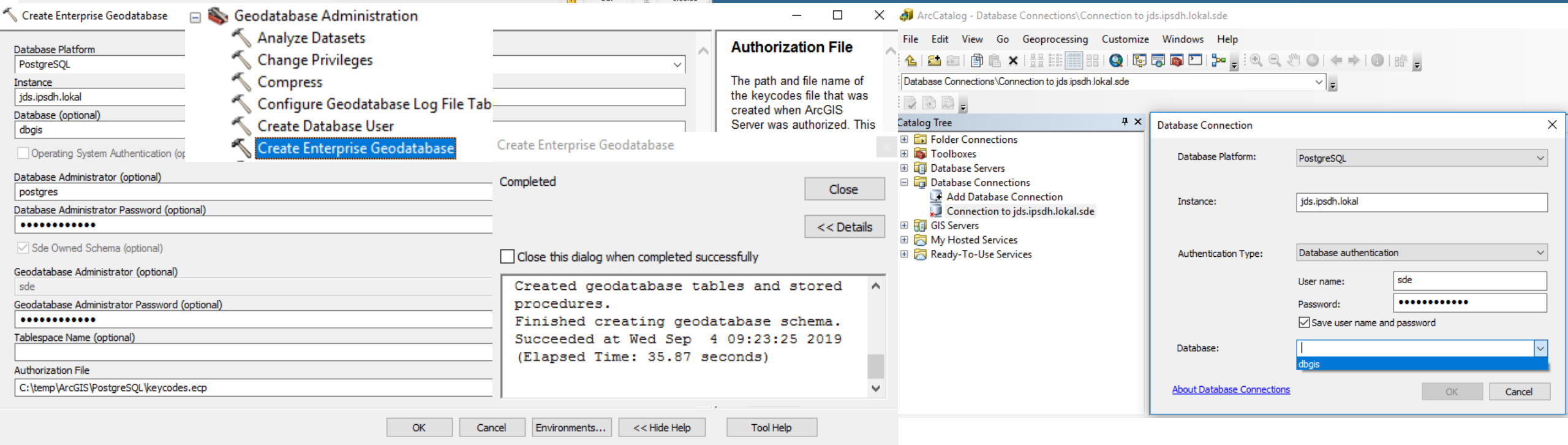
```
# chcon  -R -t httpd_sys_rw_content_rw_t /var/lib/pgadmin4
# chcon  -R -t httpd_sys_rw_content_rw_t /var/log/pgadmin4
# setsebool -P httpd_can_network_connect 1
# setsebool -P httpd_can_network_connect_db 1
```

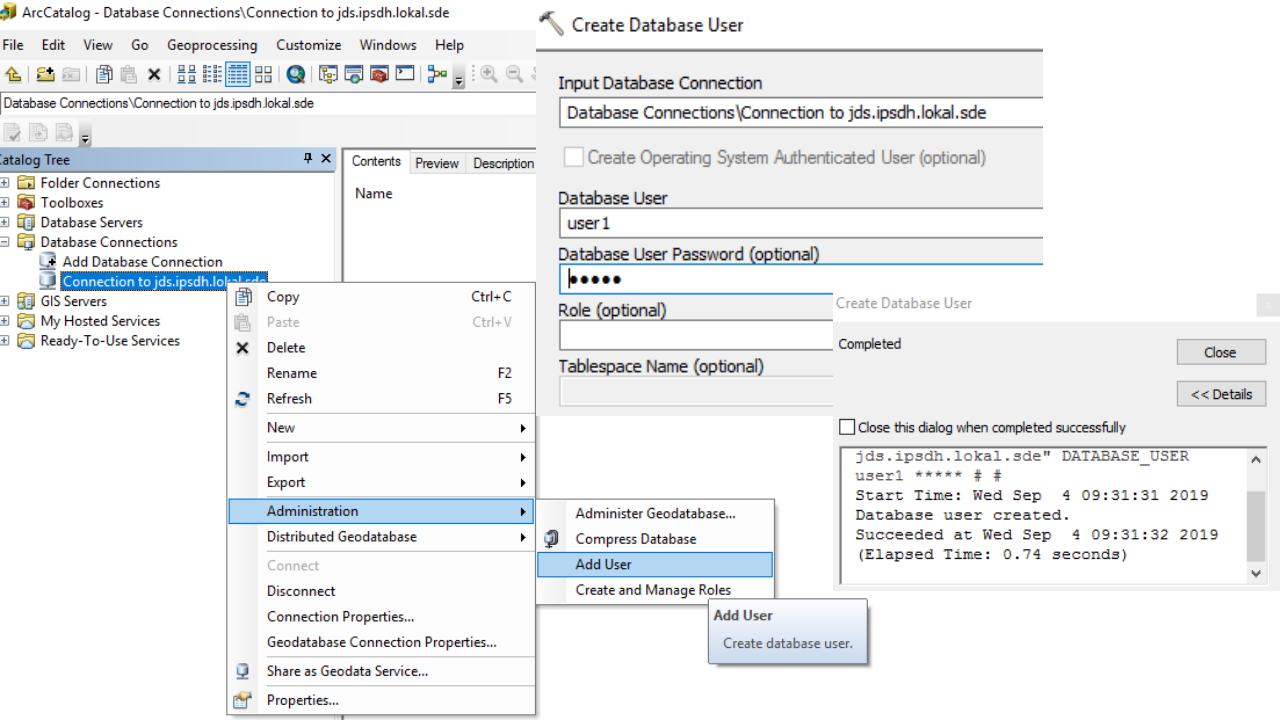
Ignore this step if SELinux is disabled

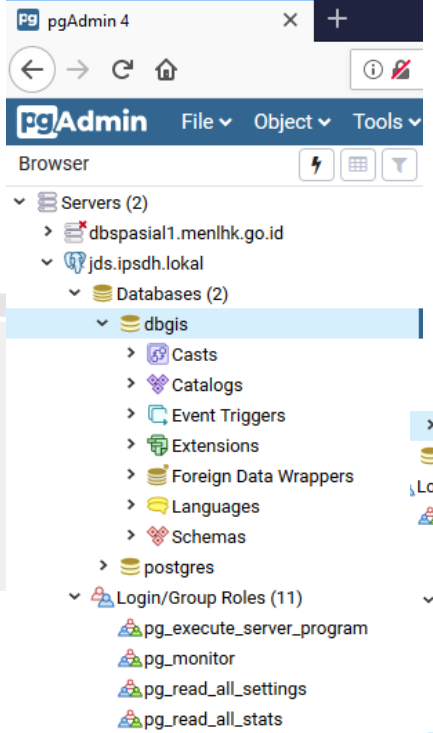
```
$ semanage fcontext -a -t httpd_sys_rw_content_t "/var/lib/pgadmin4(/.*)?"
$ semanage fcontext -a -t httpd_sys_rw_content_t "/var/log/pgadmin4(/.*)?"
$ restorecon -R /var/lib/pgadmin4/
$ restorecon -R /var/log/pgadmin4/
```

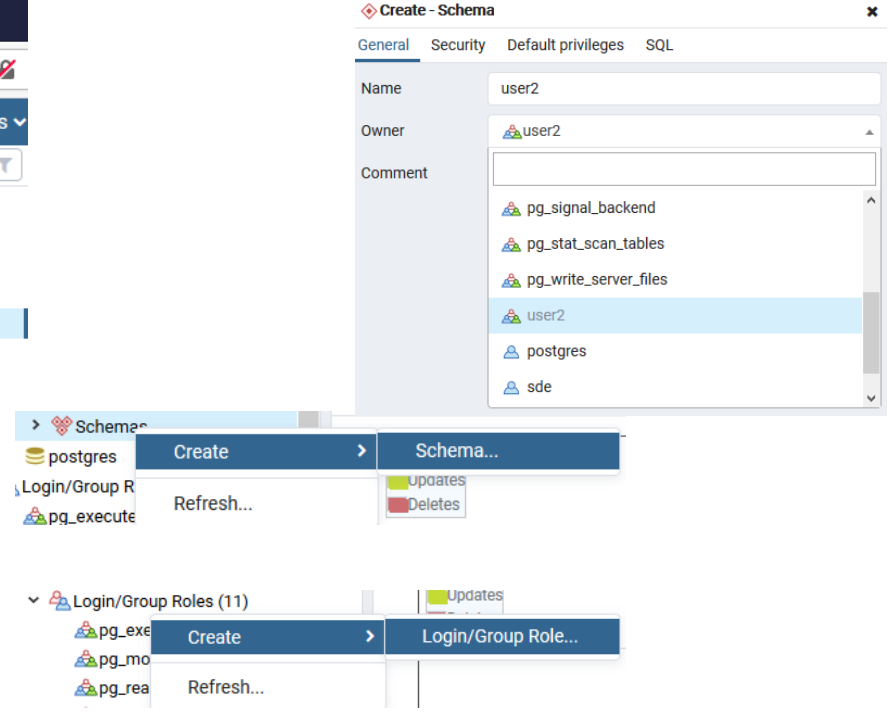



```
-- Database: dbgis
-- DROP DATABASE dbgis;

CREATE DATABASE dbgis
    WITH
    OWNER = sde
    ENCODING = 'UTF8'
    LC_COLLATE = 'en_US.UTF-8'
    LC_CTYPE = 'en_US.UTF-8'
    TABLESPACE = pg_default
    CONNECTION LIMIT = -1;

ALTER DATABASE dbgis
    SET search_path TO '"$user", public, sde';
GRANT TEMPORARY, CONNECT ON DATABASE dbgis TO user1;
GRANT TEMPORARY, CONNECT ON DATABASE dbgis TO PUBLIC;
GRANT ALL ON DATABASE dbgis TO sde;
```

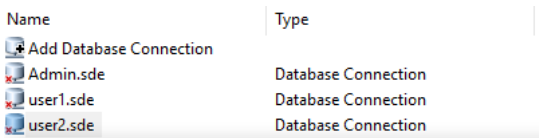


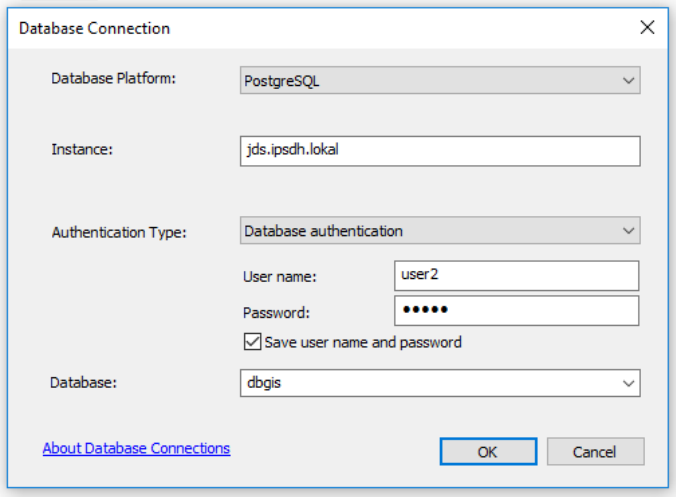






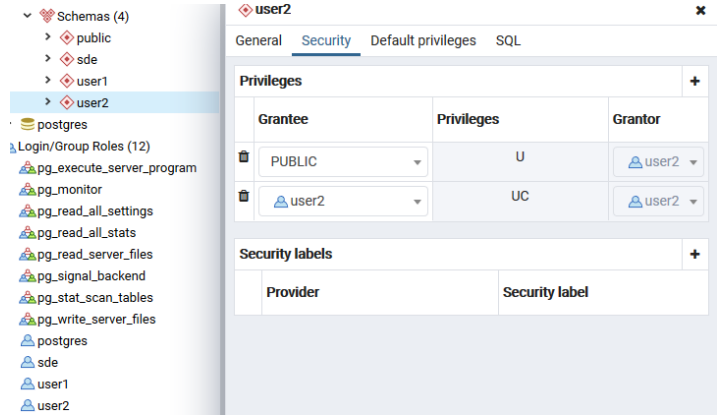
Buat user dengan ArcGIS

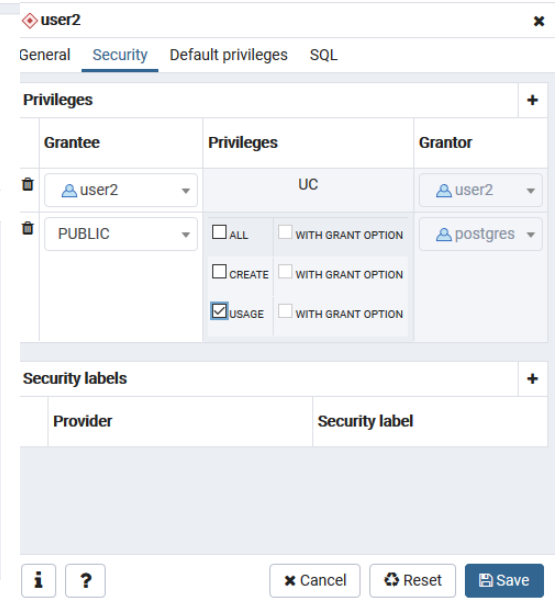


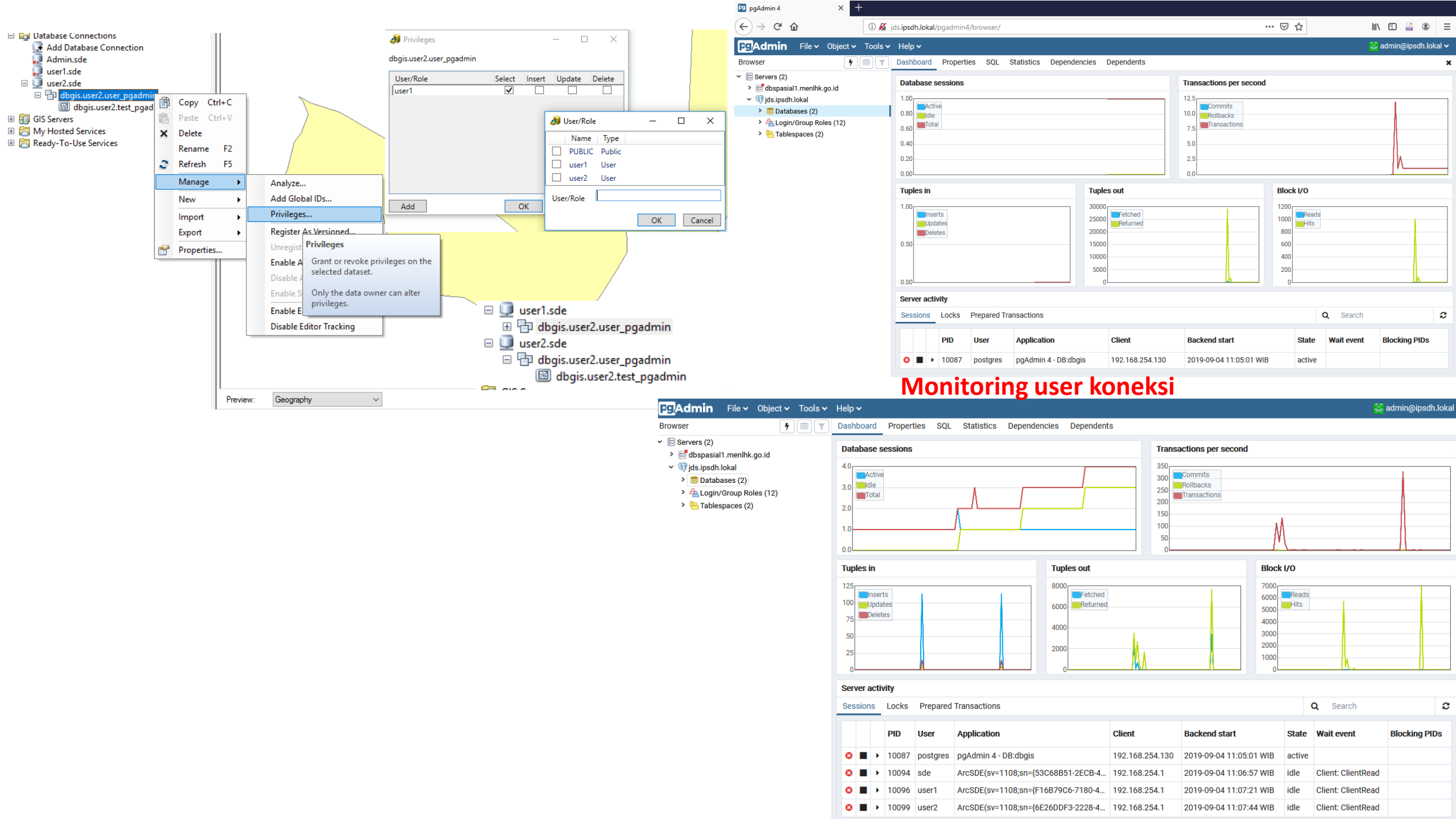



```
-- Role: user2
-- DROP ROLE user2;
CREATE ROLE user2 WITH
  LOGIN
  NOSUPERUSER
  INHERIT
  NOCREATEDB
  NOCREATEROLE
  NOREPLICATION;

-- SCHEMA: user2
-- DROP SCHEMA user2 ;
CREATE SCHEMA user2
    AUTHORIZATION user2;
GRANT ALL ON SCHEMA user2 TO user2;
GRANT USAGE ON SCHEMA user2 TO PUBLIC;
```

Buat user dengan pgAdmin






Database Connections
Add Database Connection
Admin.sde
user1.sde
user2.sde
dbgis.user2.user_pgadmin
dbgis.user2.test_pgad
GIS Servers
My Hosted Services
Ready-To-Use Services
Copy Ctrl+C
Paste Ctrl+V
Delete
Rename F2
Refresh F5
Manage
New
Import
Export
Properties...
Analyze...
Add Global IDs...
Privileges...
Register As Versioned...
Disable Editor Tracking
Privileges
Grant or revoke privileges on the selected dataset.
Only the data owner can alter privileges.
Privileges
dbgis.user2.user_pgadmin
User/Role Select Insert Update Delete
user1
Add
OK
User/Role
Name Type
PUBLIC Public
user1 User
user2 User
User/Role
OK Cancel
user1.sde
dbgis.user2.user_pgadmin
user2.sde
dbgis.user2.user_pgadmin
dbgis.user2.test_pgadmin
Preview: Geography
pgAdmin 4
jds.ipsdh.lokal/pgadmin4/browser/
pgAdmin File Object Tools Help
admin@ipsdh.lokal
Browser
Dashboard Properties SQL Statistics Dependencies Dependents
Servers (2)
dbspasial1.menlhk.go.id
jds.ipsdh.lokal
Databases (2)
Login/Group Roles (12)
Tablespaces (2)
Database sessions
Active
Idle
Total
Transactions per second
Commits
Rollbacks
Transactions
Tuples in
Inserts
Updates
Deletes
Tuples out
Fetched
Returned
Block I/O
Reads
Hits
Server activity
Sessions Locks Prepared Transactions
Search
PID User Application Client Backend start State Wait event Blocking PIDs
10087 postgres pgAdmin 4 - DB:dbgis 192.168.254.130 2019-09-04 11:05:01 WIB active
Monitoring user koneksi
pgAdmin File Object Tools Help
admin@ipsdh.lokal
Browser
Dashboard Properties SQL Statistics Dependencies Dependents
Servers (2)
dbspasial1.menlhk.go.id
jds.ipsdh.lokal
Databases (2)
Login/Group Roles (12)
Tablespaces (2)
Database sessions
Transactions per second
Tuples in
Tuples out
Block I/O
Server activity
Sessions Locks Prepared Transactions
Search
PID User Application Client Backend start State Wait event Blocking PIDs
10087 postgres pgAdmin 4 - DB:dbgis 192.168.254.130 2019-09-04 11:05:01 WIB active
10094 sde ArcSDE(sv=1108;sn={53C68B51-2ECB-4... 192.168.254.1 2019-09-04 11:06:57 WIB idle Client: ClientRead
10096 user1 ArcSDE(sv=1108;sn={F16B79C6-7180-4... 192.168.254.1 2019-09-04 11:07:21 WIB idle Client: ClientRead
10099 user2 ArcSDE(sv=1108;sn={6E26DDF3-2228-4... 192.168.254.1 2019-09-04 11:07:44 WIB idle Client: ClientRead