

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



Parent Directory			
sha256sum.txt.asc	2019-06-04 18:51	19K	
sha256sum.txt	2019-06-04 18:50	19K	
CentOS-7-x86_64-LiveGNOME.iso	2019-06-04 18:02	1.3G	
CentOS-7-x86_64-LiveGNOME-1905-01.iso	2019-06-04 18:02	1.3G	
CentOS-7-x86_64-LiveKDE.iso	2019-06-04 17:03	1.8G	
CentOS-7-x86_64-LiveKDE-1905-01.iso	2019-06-04 17:03	1.8G	
CentOS-7-x86_64-DVD.iso	2019-06-04 16:22	4.2G	
CentOS-7-x86_64-DVD-1905-01.iso	2019-06-04 16:22	4.2G	
CentOS-7-x86_64-Minimal.iso	2019-06-04 16:21	863M	
CentOS-7-x86_64-Minimal-1905-01.iso	2019-06-04 16:21	863M	
CentOS-7-x86_64-Everything.iso	2019-06-04 15:41	9.9G	
CentOS-7-x86_64-Everything-1905-01.iso	2019-06-04 15:41	9.9G	

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
```

Paket PostgreSQL 11

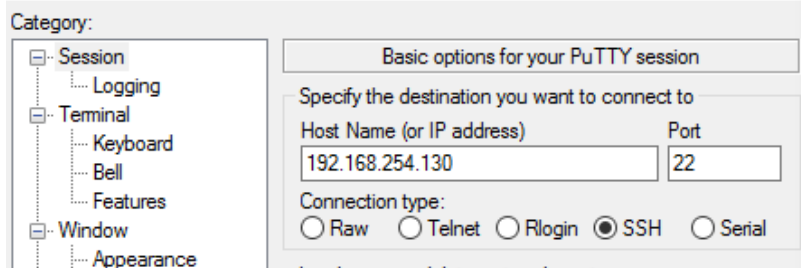
<https://yum.postgresql.org/repopackages.php#pg11>

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/pgsqsl-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
```

```
CentOS Linux (3.10.0-957.12.2.el7.x86_64) 7 (Core)
CentOS Linux (0-rescue-74e2a0e08b9d4ec19eab9d9a9312275b) 7 (Core)
```

Putty Configuration



```
root@jds:~
login as: root
root@192.168.254.130's password:
Last login: Wed Sep  4 07:08:45 2019 from 192.168.254.1
[root@jds ~]#
```

```
# 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 = '*'
```

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
```

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>
```

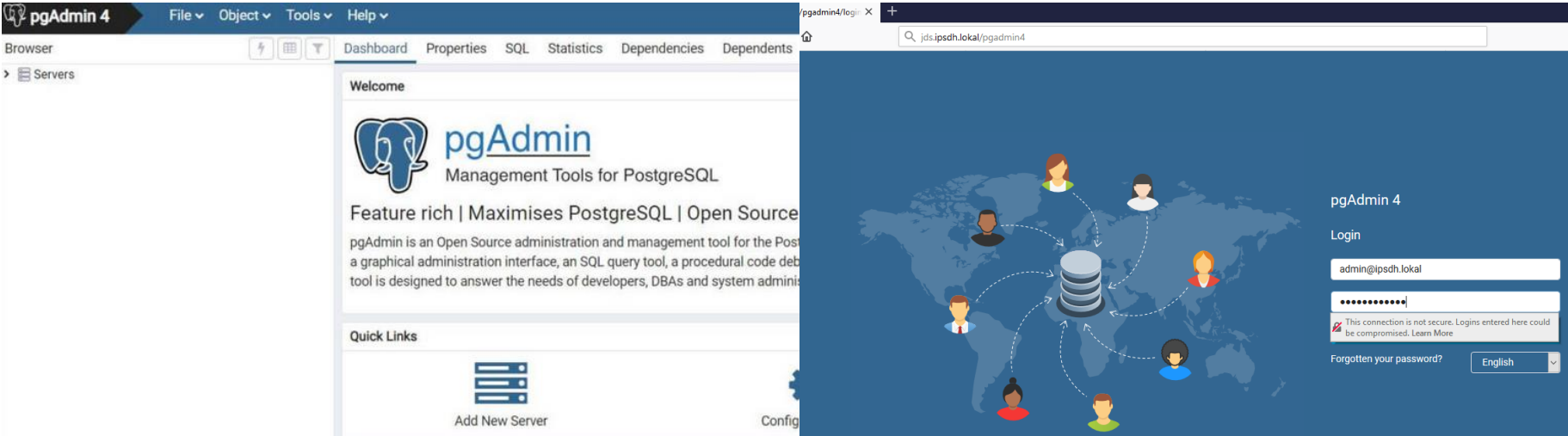
```
# apachectl configtest
# mkdir /var/log/pgadmin4/ /var/lib/pgadmin4/
# vi /usr/lib/python2.7/site-packages/pgadmin4-web/config_distro.py
Tambahkan
LOG_FILE = '/var/log/pgadmin4/pgadmin4.log'
SQLITE_PATH = '/var/lib/pgadmin4/pgadmin4.db'
SESSION_DB_PATH = '/var/lib/pgadmin4/sessions'
STORAGE_DIR = '/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: xxxxxxxxxx
Retype password: xxxxxxxxxx
pgAdmin 4 - Application Initialisation
=====
```

```
# systemctl restart httpd
http://jds.ipsdh.lokal/pgadmin4
```



```
Fix error:
# chcon -R -t httpd_sys_rw_content_t /var/lib/pgadmin4
# chcon -R -t httpd_sys_rw_content_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/
```

lib - jds.ipsdh.lokal - WinSCP

Local Mark Files Commands Session Options Remote Help

Synchronize Queue Transfer Settings Default

jds.ipsdh.lokal X New Session

C:\...DatabaseSupport\PostgreSQL\11\Linux64\

Name

PGSQLEngine.so

st_geometry.so

lib

pg_prewarm.so

pg_stat_statements.so

pg_trgm.so

pg_visibility.so

pgcrypto.so

pgoutput.so

pgrowlocks.so

PGSQLEngine.so

pgstattuple.so

pgxml.so

plpgsql.so

postgres_fdw.so

refint.so

seg.so

sepgsql.so

sslinfo.so

st_geometry.so

tablefunc.so

tcn.so

test_decoding.so

st_geometry.so Properties

Common Checksum

st_geometry.so

Location: /usr/pgsql-11/lib

Size: 10.9 MB (11,453,816 B)

Group: root

Owner: root

Permissions: Owner ☒ R ☒ W ☒ X ☐ Set UID

Group ☒ R ☐ W ☒ X ☐ Set GID

Others ☒ R ☐ W ☒ X ☐ Sticky bit

Octal: 0755

OK Cancel Help

PG jds.ipsdh.lokal/pgadmin4/login X

jds.ipsdh.lokal/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;

37 KB 8/08/201

65 KB 8/08/201

16 KB 8/08/201

11,186 KB 20/05/20

24 KB 8/08/201

11 KB 8/08/201

16 KB 8/08/201

0 B of 12.2 MB in 0 of 2

10.9 MB of 17.1 MB in 1 of 5

SCP 0:00:55

pgAdmin 4

Dashboard Properties SQL Statistics Dependencies

Server sessions

Transactions per second

Tables in

Tables out

Block I/O

Server activity

Logins

admin@ipsdh.lokal

This connection is not secure. Logins entered here could be compromised. Learn More

Forgotten your password?

English

Create Enterprise Geodatabase

Geodatabase Administration

Analyze Datasets

Change Privileges

Compress

Configure Geodatabase Log File Tab

Create Database User

Create Enterprise Geodatabase

Operating System Authentication (optional)

Database Platform

PostgreSQL

Instance

jds.ipsdh.lokal

Database (optional)

dbgis

Database Administrator (optional)

postgres

Database Administrator Password (optional)

Sde Owned Schema (optional)

Geodatabase Administrator (optional)

sde

Geodatabase Administrator Password (optional)

Tablespace Name (optional)

Authorization File

C:\temp\ArcGIS\PostgreSQL\keycodes.ecp

Completed

Close this dialog when completed successfully

Created geodatabase tables and stored procedures.

Finished creating geodatabase schema.

Succeeded at Wed Sep 4 09:23:25 2019

(Elapsed Time: 35.87 seconds)

Close

<< Details

ArcCatalog - Database Connections\Connection to jds.ipsdh.lokal.sde

File Edit View Go Geoprocessing Customize Windows Help

Database Connections\Connection to jds.ipsdh.lokal.sde

Catalog Tree

Folder Connections

Toolboxes

Database Servers

Database Connections

Add Database Connection

Connection to jds.ipsdh.lokal.sde

GIS Servers

My Hosted Services

Ready-To-Use Services

Database Connection

Database Platform: PostgreSQL

Instance: jds.ipsdh.lokal

Authentication Type: Database authentication

User name: sde

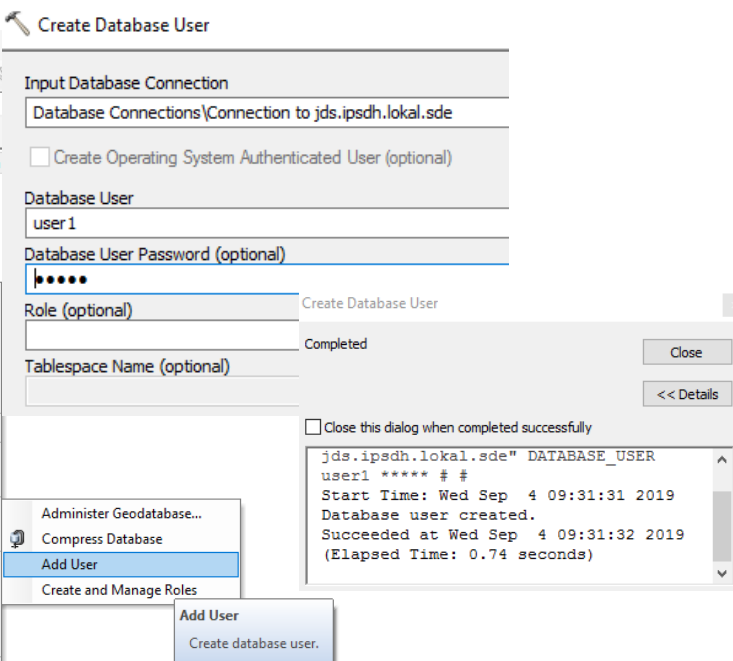
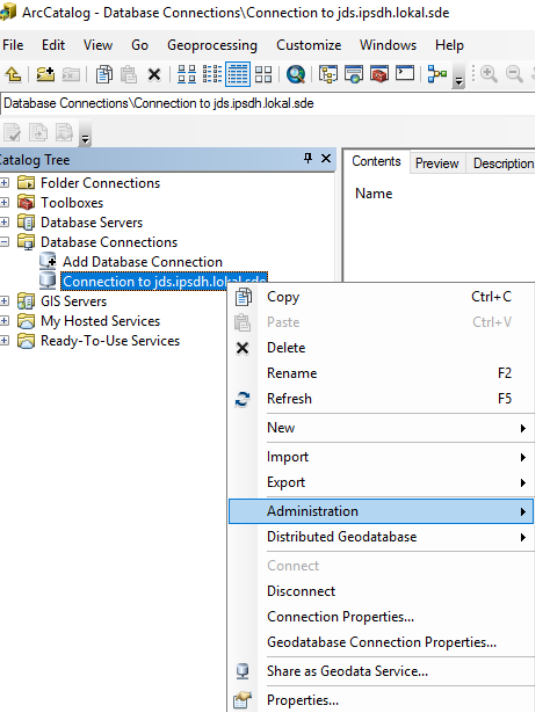
Password:

Save user name and password

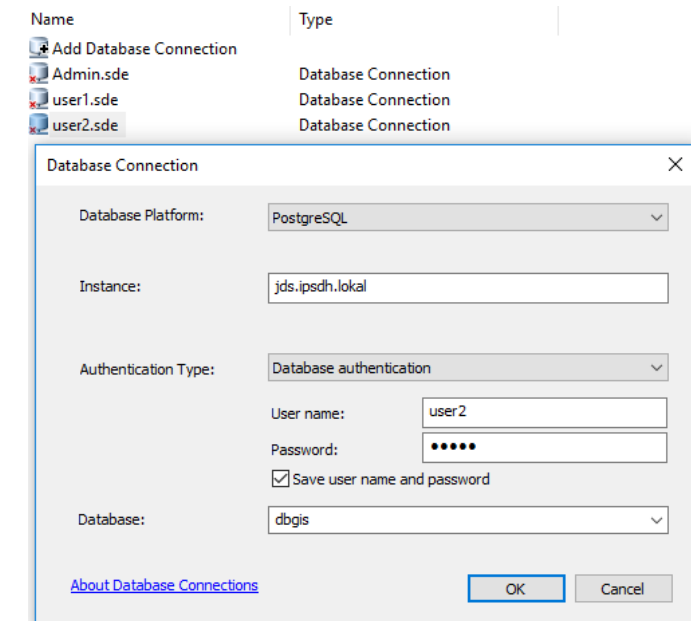
Database: dbgis

About Database Connections

OK Cancel

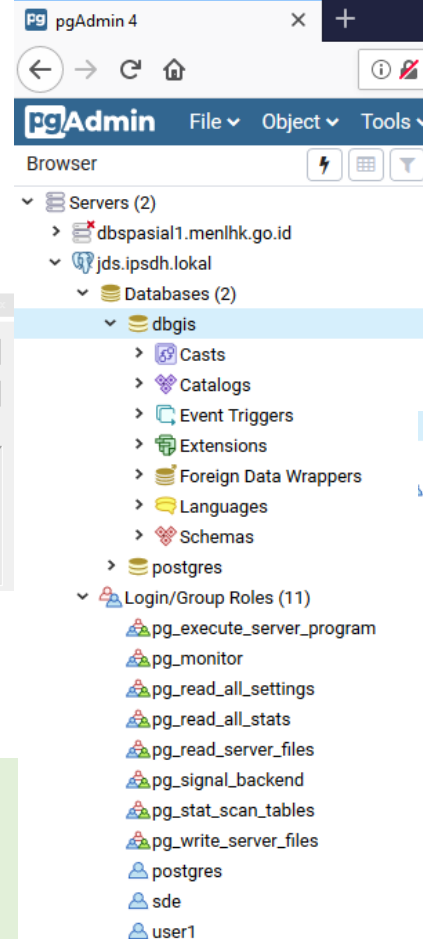


Buat user dengan ArcGIS

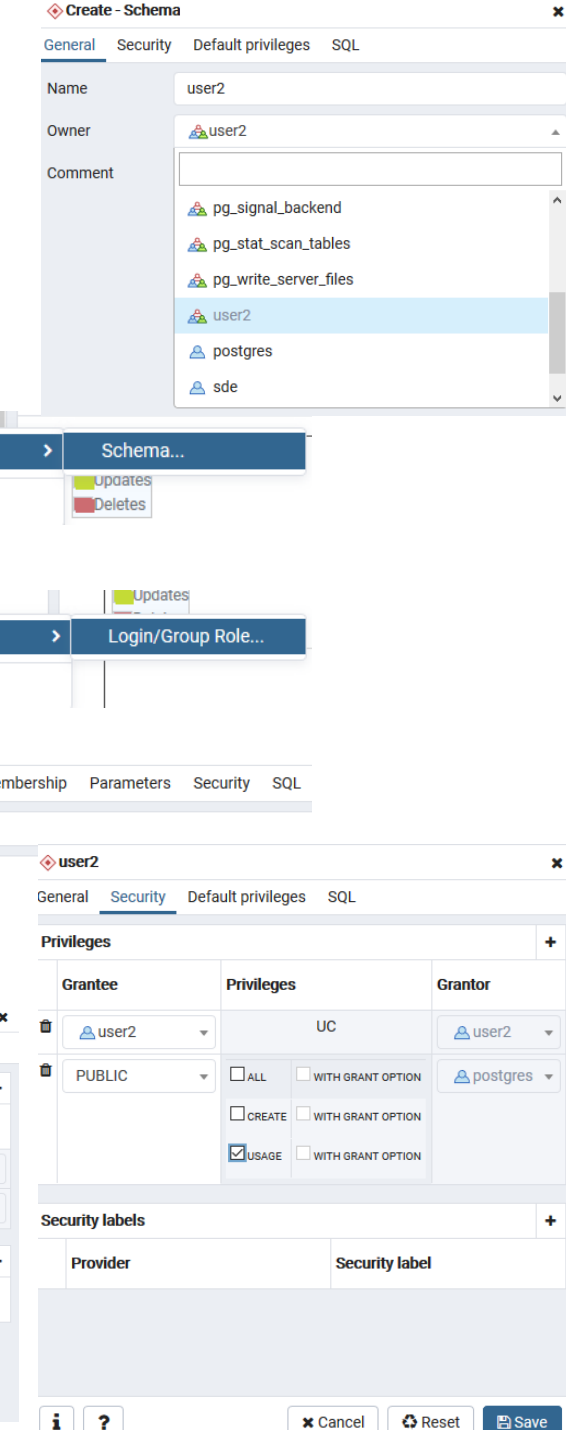
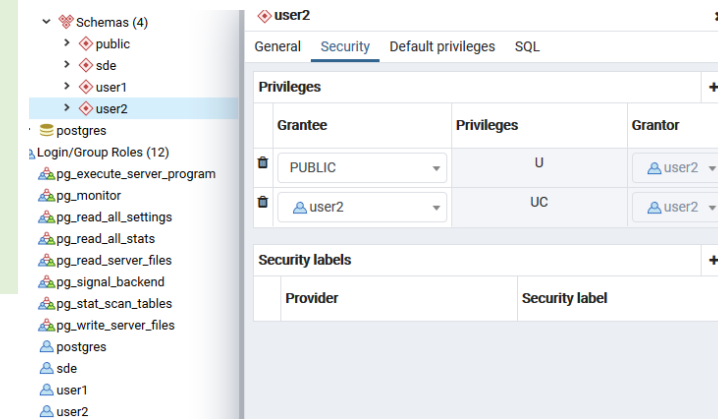


```
-- Role: user2
-- DROP ROLE user2;
CREATE ROLE user2 WITH
LOGIN
NOSUPERUSER
INHERIT
NOCREATEDB
NOCREATEROLE
NOREPLICATION;
```

```
-- 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...

Unregister

Enable A

Disable A

Enable S

Enable E

Disable Editor Tracking

Privileges

Grant or revoke privileges on the selected dataset.

Only the data owner can alter privileges.

dbgis.user2.user_pgadmin

dbgis.user2.test_pgad

user1.sde

dbgis.user2.user_pgadmin

user2.sde

dbgis.user2.user_pgadmin

dbgis.user2.test_pgad

Preview: Geography

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

pgAdmin 4

File

Object

Tools

Help

Browser

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

Fetches

Returned

Block I/O

Reads

Hits

Server activity

Sessions

Locks

Prepared Transactions

Monitoring user koneksi

pgAdmin 4

File

Object

Tools

Help

Browser

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

Fetches

Returned

Block I/O

Reads

Hits

Server activity

Sessions

Locks

Prepared Transactions

	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		