PostgreSQL Extension Installation Guide

Contrib package download link:-
https://download.postgresql.org/pub/repos/yum/15/redhat/rhel-8.7-x86_64/
To see all extension:-
SELECT * FROM pg_available_extensions;
export PG_CONFIG=/usr/lib/pgsql-15.6/bin/pg_config
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https://centos.pkgs.org/7/centos-sclo-rh-x86_64/rh-postgresql13-pgaudit-1.5.0-1.el7.x86_64.rpm.html
https://gist.github.com/joelonsql/e5aa27f8cc9bd22b8999b7de8aee9d47 1000+ extension package
if you install postgresql through rpm package than use following website to install extension.
1. https://ubuntu.pkgs.org/22.04/ubuntu-universe-amd64/postgresql-15-partman_4.6.0-1_amd64.deb.html
pg_cron and pg_partman

git clone https://github.com/pgpartman/pg_partman.git
git clone https://github.com/citusdata/pg_cron.git
if postgresql is installed through an rpm package:
extension dependency:- (pgxs.mk)
sudo yum install -y centos-release-scl
sudo yum install -y llvm-toolset-7
sudo yum install -y postgresql15-devel-15.3
export PATH=\$PATH:/usr/pgsql-15/bin
Install pg_cron extension:
1. Go to path & install pg_cron package:-
cd /data/postgresql/postgresql-15.6/contrib
git clone https://github.com/citusdata/pg_cron.git
2. Change permission:-

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3. Switch user & configure pg_cron:-
su - postgres cd /data/postgresql/postgresql-15.6/contrib/pg_cron
make
make install
4. Add parameter in the postgresql.conf file:-
vi postgresql.conf
shared_preload_libraries = 'pg_cron,pg_partman_bgw' cron.timezone='Asia/Kolkata'
5. Restart PostgreSQL service:
systemctl restart postgresql.service
6. Create extension:-
create extension pg_cron;

chown -R postgres:postgres pg_cron

2. UUID extension :-
1. Configure:
sudo apt-get update
sudo apt-get install uuid-dev libossp-uuid-dev build-essentialUbuntu
For CentOS/RedHat:
sudo yum install libuuid-devel
sudo yum install ossp-uuid-devel
cd /path/to/postgresql-15.6 ./configurewith-uuid=e2fs # Orwith-uuid=ossp if using OSSP UUID
2. Install:
cd /data/postgresql-15/postgresql-15.6/contrib/uuid-ossp
make && make install
3. Create extension:
create extension "uuid-ossp";

3. pg_partman:
Go to path & install pg_partman package:
cd /data/postgresql/postgresql-15.6/contrib
git clone https://github.com/pgpartman/pg_partman.git
2. Change permission:
chown -R postgres:postgres pg_partman
3. Switch user & configure pg_partman:
su - postgres
cd /data/postgresql/postgresql-15.6/contrib/pg_partman
make
make install
4. Create extension:
create extension pg_partman;

4. pg_financial: (For RPM-based PostgreSQL installations)
1. Extension dependency:
sudo yum install -y centos-release-scl
sudo yum install -y llvm-toolset-7
sudo yum install -y postgresql15-devel-15.3
yum install gcc
2. Download & configure:
git clone https://github.com/intgr/pg_financial
chown -R postgres:postgres pg_financial
export PATH=\$PATH:/usr/pgsql-15/bin
make && make install
5. pgaudit:
For PostgreSQL-15:
4. On the through the Property and Containing the containing
Go to the contrib directory and install pgaudit package:
was to better out / gritter who comes/or ground its/source and to see a figure / 4.7.0
wget https://github.com/pgaudit/pgaudit/releases/tag/1.7.0

unzip 1.7.0.zip
2. Go to the pgaudit directory and run make & install:
cd pgaudit-1.7.0
make && make install
3. Add pgaudit parameters in postgresql.conf:
shared_preload_libraries = 'pgaudit'
log_destination = 'stderr'
pgaudit.log = 'all'
pgaudit.log_relation = on
4. Create extension:
create extension pgaudit;
Vacuum and Log Configuration:

log_min_duration_statement = 5000 # log queries longer than 5 seconds

log only DDL statements

log_statement = 'ddl'

log_lock_waits = on # log lock waits

Vacuum parameters:

autovacuum = on

autovacuum_max_workers = 3

autovacuum_naptime = 15min