

1. check contrib package and make file are present or not:-

if not then configure bin path with the help of source code.

wget <https://ftp.postgresql.org/pub/source/v15.6/postgresql-15.6.tar.gz>

./configure --prefix=/usr/lib/pgsql-15.6

make && make install

Cd contrib

```
root@dr:/data/postgresql-15.6/contrib
root@dr:/data/postgresql-15.6/contrib# make && make install
```

2. Download pgaudit in contrib package:-

Github site:- <https://github.com/pgaudit/pgaudit/releases>

wget <https://github.com/pgaudit/pgaudit/archive/refs/tags/1.7.0.tar.gz>

```
root@dr:/data/postgresql-15.6/contrib
root@dr:/data/postgresql-15.6/contrib# wget https://github.com/pgaudit/pgaudit/archive/refs/tags/1.7.0.tar.gz
--2024-10-02 04:41:44-- https://github.com/pgaudit/pgaudit/archive/refs/tags/1.7.0.tar.gz
Resolving github.com (github.com)... 20.207.73.82
Connecting to github.com (github.com)[20.207.73.82]:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://codeload.github.com/pgaudit/pgaudit/tar.gz/refs/tags/1.7.0 [following]
--2024-10-02 04:41:44-- https://codeload.github.com/pgaudit/pgaudit/tar.gz/refs/tags/1.7.0
Resolving codeload.github.com (codeload.github.com)... 20.207.73.88
Connecting to codeload.github.com (codeload.github.com)[20.207.73.88]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [application/x-gzip]
Saving to: '1.7.0.tar.gz'

1.7.0.tar.gz           [ <=> ] 43.12K  137KB/s  in 0.3s

2024-10-02 04:41:45 (137 KB/s) - '1.7.0.tar.gz' saved [44151]

root@dr:/data/postgresql-15.6/contrib#
```

tar -xvf 1.7.0.tar.gz

```
root@dr:/data/postgresql-15.6/contrib
root@dr:/data/postgresql-15.6/contrib# tar -xvf 1.7.0.tar.gz
pgaudit-1.7.0/
pgaudit-1.7.0/.editorconfig
pgaudit-1.7.0/.github/
pgaudit-1.7.0/.github/workflows/
pgaudit-1.7.0/.github/workflows/test.yml
pgaudit-1.7.0/.gitignore
pgaudit-1.7.0/Makefile
pgaudit-1.7.0/README.md
pgaudit-1.7.0/expected/
pgaudit-1.7.0/expected/pgaudit.out
pgaudit-1.7.0/pgaudit-1.7.sql
pgaudit-1.7.0/pgaudit.c
pgaudit-1.7.0/pgaudit.conf
pgaudit-1.7.0/pgaudit.control
pgaudit-1.7.0/sql/
pgaudit-1.7.0/sql/pgaudit.sql
pgaudit-1.7.0/test/
pgaudit-1.7.0/test/Dockerfile.debian
pgaudit-1.7.0/test/Dockerfile.rhel
pgaudit-1.7.0/test/README.md
pgaudit-1.7.0/test/test.sh
root@dr:/data/postgresql-15.6/contrib# chown postgres:postgres pgaudit-1.7.0/
root@dr:/data/postgresql-15.6/contrib# chown postgres:postgres pgaudit-1.7.0/ -R
root@dr:/data/postgresql-15.6/contrib#
```

cd pgaudit-1.7.0 & execute make && make install command

```
root@dr:/data/postgresql-15.6/contrib/pgaudit-1.7.0
root@dr:/data/postgresql-15.6/contrib#
root@dr:/data/postgresql-15.6/contrib# cd pg
pgaudit-1.7.0/      pgcrypto/      pg_prewarm/      pg_stat_statements/ pg_surgery/      pg_visibility/
pg_buffercache/    pg_freeze/      pgrowlocks/      pgstattuple/      pg_trgm/         pg_walinspect/
root@dr:/data/postgresql-15.6/contrib# cd pgaudit-1.7.0/
root@dr:/data/postgresql-15.6/contrib/pgaudit-1.7.0# make
make -C ../../src/backend generated-headers
make[1]: Entering directory '/data/postgresql-15.6/src/backend'
make -C catalog distprep generated-header-symlinks
make[2]: Entering directory '/data/postgresql-15.6/src/backend/catalog'
make[2]: Nothing to be done for 'distprep'.
make[2]: Nothing to be done for 'generated-header-symlinks'.
make[2]: Leaving directory '/data/postgresql-15.6/src/backend/catalog'
make -C utils distprep generated-header-symlinks
make[2]: Entering directory '/data/postgresql-15.6/src/backend/utils'
make[2]: Nothing to be done for 'distprep'.
make[2]: Nothing to be done for 'generated-header-symlinks'.
make[2]: Leaving directory '/data/postgresql-15.6/src/backend/utils'
make[1]: Leaving directory '/data/postgresql-15.6/src/backend'
gcc -Wall -Wmissing-prototypes -Wpointer-arith -Wdeclaration-after-statement -Werror=vla -Wendif-labels -Wmissing-format-attribute -Wimplicit-fallthrough=3 -Wcast-function-type -Wformat-security -fno-strict-aliasing -fwrapv -fexcess-precision=standard -Wno-format-truncation -Wno-stringop-truncation -O2 -fPIC -I. -I. -I../src/include -D_GNU_SOURCE -I/usr/include/libxml2 -c -o pgaudit.o pgaudit.c
gcc -Wall -Wmissing-prototypes -Wpointer-arith -Wdeclaration-after-statement -Werror=vla -Wendif-labels -Wmissing-format-attribute -Wimplicit-fallthrough=3 -Wcast-function-type -Wformat-security -fno-strict-aliasing -fwrapv -fexcess-precision=standard -Wno-format-truncation -Wno-stringop-truncation -O2 -fPIC -shared -o pgaudit.so pgaudit.o -L../src/port -L../src/common -Wl,--as-needed -Wl,-rpath,'/usr/lib/pgsql-15.6/lib',--enable-new-dtags
root@dr:/data/postgresql-15.6/contrib/pgaudit-1.7.0#
```

If you got error then you have to change permission of file to postgres. Then switch to postgres user &

Execute make && make install command

3. Make changes in postgresql.conf:-

```
pgaudit.log = 'all'
pgaudit.log_level = 'log'
pgaudit.log_parameter = on
```

```
shared_preload_libraries = 'pgaudit'
```

4. Restart postgresql.service

5. create extension:-

Create extension pgaudit;

