

YUM Installation

From PostgreSQL wiki

PostgreSQL can be installed using RPMs (binary) or SRPMs (source) managed by YUM (http://en.wikipedia.org/wiki/Yellowdog_Updater,_Modified) . This is available for the following Linux distributions (both 32- and 64-bit platforms; for the current release and prior release or two):

- Fedora
- Red Hat Enterprise Linux
- CentOS
- Scientific Linux
- Oracle Enterprise Linux

See links from the main repository, <http://yum.postgresql.org>:

- A list of available packages (<https://yum.postgresql.org/packages.php>)
- Repository packages for different version combinations (<https://yum.postgresql.org/repopackages.php>)
- Status of RPM builds (<https://yum.postgresql.org/rpmchart.php>)

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Instructions

Configure your YUM repository

Locate and edit your distributions .repo file, located:

- On Fedora: */etc/yum.repos.d/fedora.repo* and */etc/yum.repos.d/fedora-updates.repo*, **[fedora]** sections
- On CentOS: */etc/yum.repos.d/CentOS-Base.repo*, **[base]** and **[updates]** sections
- On Red Hat: */etc/yum/pluginconf.d/rhnplugin.conf* **[main]** section

To the section(s) identified above, you need to append a line (otherwise dependencies might resolve to the postgresql supplied by the base repository):

```
exclude=postgresql*
```

Install PGDG RPM file

A PGDG file is available for each distribution/architecture/database version combination. Browse <https://yum.postgresql.org/repopackages.php> and find your correct RPM. For example, to install PostgreSQL 9.6 on CentOS 7 64-bit: `yum install https://download.postgresql.org/pub/repos/yum/9.6/redhat/rhel-7-x86_64/pgdg-redhat96-9.6-3.noarch.rpm`

Install PostgreSQL

To list available packages:

```
yum list postgresql*
```

For example, to install a basic PostgreSQL 9.6 server:

```
yum install postgresql96-server
```

Other packages can be installed according to your needs.

Post-installation commands

After installing the packages, a database needs to be initialized and configured.

In the commands below, the value of *<name>* will vary depending on the version of PostgreSQL used.

For PostgreSQL version 9.0 and above, the *<name>* includes the *major.minor* version of PostgreSQL, e.g., *postgresql-9.4*

Data Directory

The PostgreSQL data directory contains all of the data files for the database. The variable PGDATA is used to reference this directory.

The default data directory is:

```
/var/lib/pgsql/<name>/data
```

For example:

```
/var/lib/pgsql/9.6/data
```

Initialize

The first command (only needed once) is to initialize the database in PGDATA.

For Red Hat 6:

```
service <name> initdb
```

E.g. for version 9.6:

```
service postgresql-9.6 initdb
```

For Red Hat 7, and Fedora 23 and above:

If the previous command did not work, try directly calling the setup binary, located in a similar naming scheme:

```
/usr/pgsql-y.x/bin/postgresqlyx-setup initdb
```

E.g. for version 9.6:

```
/usr/pgsql-9.6/bin/postgresql96-setup initdb
```

Startup

If you want PostgreSQL to start automatically when the OS starts, do the following:

In RHEL 6 and PostgreSQL 9.6:

```
chkconfig postgresql-9.6 on
```

In RHEL 7+, and Fedora 23+ try:

```
systemctl enable postgresql-9.6.service
```

Control service

To control the database service, use:

for RHEL 5 and 6:

```
service <name> <command>
```

where *<command>* can be:

- *start* : start the database
- *stop* : stop the database

- *restart* : stop/start the database; used to read changes to core configuration files
- *reload* : reload pg_hba.conf file while keeping database running

E.g. to start version 9.6:

```
service postgresql-9.6 start
```

With RHEL 7.1+ and CentOS 7.1+, and Fedora 23+, systemd is introduced. Use this instead:

```
systemctl enable postgresql-9.6.service
systemctl start postgresql-9.6.service
```

Removing

To remove everything:

```
yum erase postgresql96*
or
dnf remove postgresql96* for Fedora 23+.
```

Or remove individual packages as desired.

Support

- Email: pgsql-pkg-yum@postgresql.org (requires subscription)

After installation

First steps in PostgreSQL

Retrieved from "https://wiki.postgresql.org/index.php?title=YUM_Installation&oldid=28359"

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