root@rhel:~# yum -y module install postgresql:9.6

Updating Subscription Management repositories.

Last metadata expiration check: 0:01:05 ago on Wed 27 Jul 2022 10:34:15 AM UTC.

Dependencies resolved.

==========================================================================================================================================================================================================

Package Architecture Version Repository Size

==========================================================================================================================================================================================================

Installing group/module packages:

postgresql-server x86\_64 9.6.22-1.module+el8.4.0+11244+beebcf7e rhel-8-for-x86\_64-appstream-rpms 5.0 M

Installing dependencies:

libpq x86\_64 13.5-1.el8 rhel-8-for-x86\_64-appstream-rpms 198 k

postgresql x86\_64 9.6.22-1.module+el8.4.0+11244+beebcf7e rhel-8-for-x86\_64-appstream-rpms 1.4 M

Installing module profiles:

postgresql/server

Enabling module streams:

postgresql 9.6

Transaction Summary

==========================================================================================================================================================================================================

Install 3 Packages

Total download size: 6.6 M

Installed size: 27 M

Downloading Packages:

(1/3): libpq-13.5-1.el8.x86\_64.rpm 672 kB/s | 198 kB 00:00

(2/3): postgresql-server-9.6.22-1.module+el8.4.0+11244+beebcf7e.x86\_64.rpm 13 MB/s | 5.0 MB 00:00

(3/3): postgresql-9.6.22-1.module+el8.4.0+11244+beebcf7e.x86\_64.rpm 2.1 MB/s | 1.4 MB 00:00

----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Total 10 MB/s | 6.6 MB 00:00

Running transaction check

Transaction check succeeded.

Running transaction test

Transaction test succeeded.

Running transaction

Preparing : 1/1

Installing : libpq-13.5-1.el8.x86\_64 1/3

Installing : postgresql-9.6.22-1.module+el8.4.0+11244+beebcf7e.x86\_64 2/3

Running scriptlet: postgresql-server-9.6.22-1.module+el8.4.0+11244+beebcf7e.x86\_64 3/3

Installing : postgresql-server-9.6.22-1.module+el8.4.0+11244+beebcf7e.x86\_64 3/3

Running scriptlet: postgresql-server-9.6.22-1.module+el8.4.0+11244+beebcf7e.x86\_64 3/3

[/usr/lib/tmpfiles.d/postgresql.conf:1] Line references path below legacy directory /var/run/, updating /var/run/postgresql → /run/postgresql; please update the tmpfiles.d/ drop-in file accordingly.

Verifying : postgresql-9.6.22-1.module+el8.4.0+11244+beebcf7e.x86\_64 1/3

Verifying : postgresql-server-9.6.22-1.module+el8.4.0+11244+beebcf7e.x86\_64 2/3

Verifying : libpq-13.5-1.el8.x86\_64 3/3

Installed products updated.

Installed:

libpq-13.5-1.el8.x86\_64 postgresql-9.6.22-1.module+el8.4.0+11244+beebcf7e.x86\_64 postgresql-server-9.6.22-1.module+el8.4.0+11244+beebcf7e.x86\_64

Complete!

root@rhel:~# yum module list postgresql

Updating Subscription Management repositories.

Last metadata expiration check: 0:01:21 ago on Wed 27 Jul 2022 10:34:15 AM UTC.

Red Hat Enterprise Linux 8 for x86\_64 - AppStream (RPMs)

Name Stream Profiles Summary

postgresql 9.6 [e] client, server [d] [i] PostgreSQL server and client module

postgresql 10 [d] client, server [d] PostgreSQL server and client module

postgresql 12 client, server [d] PostgreSQL server and client module

postgresql 13 client, server [d] PostgreSQL server and client module

Hint: [d]efault, [e]nabled, [x]disabled, [i]nstalled

root@rhel:~# postgres --version

postgres (PostgreSQL) 9.6.22

root@rhel:~# ^

root@rhel:~# yum -y module remove postgresql:9.6

Updating Subscription Management repositories.

Last metadata expiration check: 0:02:37 ago on Wed 27 Jul 2022 10:34:15 AM UTC.

Dependencies resolved.

==========================================================================================================================================================================================================

Package Architecture Version Repository Size

==========================================================================================================================================================================================================

Removing:

postgresql-server x86\_64 9.6.22-1.module+el8.4.0+11244+beebcf7e @rhel-8-for-x86\_64-appstream-rpms 21 M

Removing unused dependencies:

libpq x86\_64 13.5-1.el8 @rhel-8-for-x86\_64-appstream-rpms 724 k

postgresql x86\_64 9.6.22-1.module+el8.4.0+11244+beebcf7e @rhel-8-for-x86\_64-appstream-rpms 5.0 M

Disabling module profiles:

postgresql/server

Transaction Summary

==========================================================================================================================================================================================================

Remove 3 Packages

Freed space: 27 M

Running transaction check

Transaction check succeeded.

Running transaction test

Transaction test succeeded.

Running transaction

Preparing : 1/1

Running scriptlet: postgresql-server-9.6.22-1.module+el8.4.0+11244+beebcf7e.x86\_64 1/1

Running scriptlet: postgresql-server-9.6.22-1.module+el8.4.0+11244+beebcf7e.x86\_64 1/3

Erasing : postgresql-server-9.6.22-1.module+el8.4.0+11244+beebcf7e.x86\_64 1/3

Running scriptlet: postgresql-server-9.6.22-1.module+el8.4.0+11244+beebcf7e.x86\_64 1/3

Erasing : postgresql-9.6.22-1.module+el8.4.0+11244+beebcf7e.x86\_64 2/3

Erasing : libpq-13.5-1.el8.x86\_64 3/3

Running scriptlet: libpq-13.5-1.el8.x86\_64 3/3

Verifying : libpq-13.5-1.el8.x86\_64 1/3

Verifying : postgresql-9.6.22-1.module+el8.4.0+11244+beebcf7e.x86\_64 2/3

Verifying : postgresql-server-9.6.22-1.module+el8.4.0+11244+beebcf7e.x86\_64 3/3

Installed products updated.

Removed:

libpq-13.5-1.el8.x86\_64 postgresql-9.6.22-1.module+el8.4.0+11244+beebcf7e.x86\_64 postgresql-server-9.6.22-1.module+el8.4.0+11244+beebcf7e.x86\_64

Complete!

root@rhel:~# yum module list postgresql

Updating Subscription Management repositories.

Last metadata expiration check: 0:02:49 ago on Wed 27 Jul 2022 10:34:15 AM UTC.

Red Hat Enterprise Linux 8 for x86\_64 - AppStream (RPMs)

Name Stream Profiles Summary

postgresql 9.6 [e] client, server [d] PostgreSQL server and client module

postgresql 10 [d] client, server [d] PostgreSQL server and client module

postgresql 12 client, server [d] PostgreSQL server and client module

postgresql 13 client, server [d] PostgreSQL server and client module

Hint: [d]efault, [e]nabled, [x]disabled, [i]nstalled

root@rhel:~# yum -y module disable postgresql

Updating Subscription Management repositories.

Last metadata expiration check: 0:03:37 ago on Wed 27 Jul 2022 10:34:15 AM UTC.

Dependencies resolved.

==========================================================================================================================================================================================================

Package Architecture Version Repository Size

==========================================================================================================================================================================================================

Disabling modules:

postgresql

Transaction Summary

==========================================================================================================================================================================================================

Complete!

root@rhel:~# yum -y module enable postgresql:10

Updating Subscription Management repositories.

Last metadata expiration check: 0:03:45 ago on Wed 27 Jul 2022 10:34:15 AM UTC.

Dependencies resolved.

==========================================================================================================================================================================================================

Package Architecture Version Repository Size

==========================================================================================================================================================================================================

Enabling module streams:

postgresql 10

Transaction Summary

==========================================================================================================================================================================================================

Complete!

root@rhel:~# yum module list postgresql

Updating Subscription Management repositories.

Last metadata expiration check: 0:03:53 ago on Wed 27 Jul 2022 10:34:15 AM UTC.

Red Hat Enterprise Linux 8 for x86\_64 - AppStream (RPMs)

Name Stream Profiles Summary

postgresql 9.6 client, server [d] PostgreSQL server and client module

postgresql 10 [d][e] client, server [d] PostgreSQL server and client module

postgresql 12 client, server [d] PostgreSQL server and client module

postgresql 13 client, server [d] PostgreSQL server and client module

Hint: [d]efault, [e]nabled, [x]disabled, [i]nstalled

root@rhel:~# ^C

root@rhel:~# yum -y module install postgresql:10

Updating Subscription Management repositories.

Last metadata expiration check: 0:04:33 ago on Wed 27 Jul 2022 10:34:15 AM UTC.

Dependencies resolved.

==========================================================================================================================================================================================================

Package Architecture Version Repository Size

==========================================================================================================================================================================================================

Installing group/module packages:

postgresql-server x86\_64 10.21-2.module+el8.6.0+15342+53518fac rhel-8-for-x86\_64-appstream-rpms 5.1 M

Installing dependencies:

libpq x86\_64 13.5-1.el8 rhel-8-for-x86\_64-appstream-rpms 198 k

postgresql x86\_64 10.21-2.module+el8.6.0+15342+53518fac rhel-8-for-x86\_64-appstream-rpms 1.5 M

Installing module profiles:

postgresql/server

Transaction Summary

==========================================================================================================================================================================================================

Install 3 Packages

Total download size: 6.8 M

Installed size: 26 M

Downloading Packages:

(1/3): libpq-13.5-1.el8.x86\_64.rpm 862 kB/s | 198 kB 00:00

(2/3): postgresql-10.21-2.module+el8.6.0+15342+53518fac.x86\_64.rpm 5.5 MB/s | 1.5 MB 00:00

(3/3): postgresql-server-10.21-2.module+el8.6.0+15342+53518fac.x86\_64.rpm 14 MB/s | 5.1 MB 00:00

----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Total 19 MB/s | 6.8 MB 00:00

Running transaction check

Transaction check succeeded.

Running transaction test

Transaction test succeeded.

Running transaction

Preparing : 1/1

Installing : libpq-13.5-1.el8.x86\_64 1/3

Installing : postgresql-10.21-2.module+el8.6.0+15342+53518fac.x86\_64 2/3

Running scriptlet: postgresql-server-10.21-2.module+el8.6.0+15342+53518fac.x86\_64 3/3

Installing : postgresql-server-10.21-2.module+el8.6.0+15342+53518fac.x86\_64 3/3

Running scriptlet: postgresql-server-10.21-2.module+el8.6.0+15342+53518fac.x86\_64 3/3

Verifying : libpq-13.5-1.el8.x86\_64 1/3

Verifying : postgresql-server-10.21-2.module+el8.6.0+15342+53518fac.x86\_64 2/3

Verifying : postgresql-10.21-2.module+el8.6.0+15342+53518fac.x86\_64 3/3

Installed products updated.

Installed:

libpq-13.5-1.el8.x86\_64 postgresql-10.21-2.module+el8.6.0+15342+53518fac.x86\_64 postgresql-server-10.21-2.module+el8.6.0+15342+53518fac.x86\_64

Complete!

root@rhel:~# yum module list postgresql

Updating Subscription Management repositories.

Last metadata expiration check: 0:04:45 ago on Wed 27 Jul 2022 10:34:15 AM UTC.

Red Hat Enterprise Linux 8 for x86\_64 - AppStream (RPMs)

Name Stream Profiles Summary

postgresql 9.6 client, server [d] PostgreSQL server and client module

postgresql 10 [d][e] client, server [d] [i] PostgreSQL server and client module

postgresql 12 client, server [d] PostgreSQL server and client module

postgresql 13 client, server [d] PostgreSQL server and client module

Hint: [d]efault, [e]nabled, [x]disabled, [i]nstalled

root@rhel:~# postgres --version

postgres (PostgreSQL) 10.21

root@rhel:~# yum module list

Updating Subscription Management repositories.

Last metadata expiration check: 0:05:40 ago on Wed 27 Jul 2022 10:34:15 AM UTC.

Red Hat Enterprise Linux 8 for x86\_64 - AppStream (RPMs)

Name Stream Profiles Summary

389-ds 1.4 389 Directory Server (base)

ant 1.10 [d] common [ Java build tool

d]

container-tools rhel8 [d][e] common [ Most recent (rolling) versions of podman, buildah, skopeo, runc, conmon, runc, conmon, CRIU, Udica, etc as well as dependencies such as container-selinux bu

d] ilt and tested together, and updated as frequently as every 12 weeks.

container-tools 1.0 common [ Stable versions of podman 1.0, buildah 1.5, skopeo 0.1, runc, conmon, CRIU, Udica, etc as well as dependencies such as container-selinux built and tested to

d] gether, and supported for 24 months.

container-tools 2.0 common [ Stable versions of podman 1.6, buildah 1.11, skopeo 0.1, runc, conmon, etc as well as dependencies such as container-selinux built and tested together, and

d] supported as documented on the Application Stream lifecycle page.

container-tools 3.0 common [ Stable versions of podman 3.0, buildah 1.19, skopeo 1.2, runc, conmon, etc as well as dependencies such as container-selinux built and tested together, and

d] supported as documented on the Application Stream lifecycle page.

container-tools 4.0 common [ Stable versions of podman 4.0, buildah 1.24, skopeo 1.6, runc, conmon, etc as well as dependencies such as container-selinux built and tested together, and

d] supported as documented on the Application Stream lifecycle page.

eclipse rhel8 java [d] An open, extensible IDE and application platform

freeradius 3.0 [d] server [ High-performance and highly configurable free RADIUS server

d]

gimp 2.8 [d] common [ gimp module

d], deve

l

go-toolset rhel8 [d] common [ Go

d]

httpd 2.4 [d][e] common [ Apache HTTP Server

d], deve

l, minim

al

idm DL1 adtrust, The Red Hat Enterprise Linux Identity Management system module

client,

common

[d], dns

, server

idm client [d] common [ RHEL IdM long term support client module

d]

inkscape 0.92.3 [d] common [ Vector-based drawing program using SVG

d]

javapackages-runtime 201801 [d] common [ Basic runtime utilities to support Java applications

d]

jmc rhel8 [d] common [ Java Mission Control is a profiling and diagnostics tool for the Hotspot JVM

d], core

libselinux-python 2.8 common Python 2 bindings for libselinux

llvm-toolset rhel8 [d] common [ LLVM

d]

log4j 2 [d] common [ Java logging library

d]

mailman 2.1 [d] common [ Electronic mail discussion and e-newsletter lists managing software

d]

mariadb 10.3 [d] client, MariaDB Module

galera,

server [

d]

mariadb 10.5 client, MariaDB Module

galera,

server [

d]

maven 3.5 [d] common [ Java project management and project comprehension tool

d]

maven 3.6 common [ Java project management and project comprehension tool

d]

mercurial 4.8 [d] common [ Mercurial -- a distributed SCM

d]

mod\_auth\_openidc 2.3 Apache module suporting OpenID Connect authentication

mysql 8.0 [d] client, MySQL Module

server [

d]

nginx 1.14 [d] common [ nginx webserver

d]

nginx 1.16 common [ nginx webserver

d]

nginx 1.18 common [ nginx webserver

d]

nginx 1.20 common [ nginx webserver

d]

nodejs 10 [d] common [ Javascript runtime

d], deve

lopment,

minimal

, s2i

nodejs 12 common [ Javascript runtime

d], deve

lopment,

minimal

, s2i

nodejs 14 common [ Javascript runtime

d], deve

lopment,

minimal

, s2i

nodejs 16 common [ Javascript runtime

d], deve

lopment,

minimal

, s2i

parfait 0.5 common Parfait Module

perl 5.24 common [ Practical Extraction and Report Language

d], mini

mal

perl 5.26 [d][e] common [ Practical Extraction and Report Language

d], mini

mal

perl 5.30 common [ Practical Extraction and Report Language

d], mini

mal

perl 5.32 common [ Practical Extraction and Report Language

d], mini

mal

perl-App-cpanminus 1.7044 [d] common [ Get, unpack, build and install CPAN modules

d]

perl-DBD-MySQL 4.046 [d] common [ A MySQL interface for Perl

d]

perl-DBD-Pg 3.7 [d] common [ A PostgreSQL interface for Perl

d]

perl-DBD-SQLite 1.58 [d] common [ SQLite DBI driver

d]

perl-DBI 1.641 [d] common [ A database access API for Perl

d]

perl-FCGI 0.78 [d] common [ FastCGI Perl bindings

d]

perl-IO-Socket-SSL 2.066 [d][e] common [ Perl library for transparent TLS

d]

perl-YAML 1.24 [d] common [ Perl parser for YAML

d]

perl-libwww-perl 6.34 [d][e] common [ A Perl interface to the World-Wide Web

d]

php 7.2 [d] common [ PHP scripting language

d], deve

l, minim

al

php 7.3 common [ PHP scripting language

d], deve

l, minim

al

php 7.4 common [ PHP scripting language

d], deve

l, minim

al

php 8.0 common [ PHP scripting language

d], deve

l, minim

al

pki-core 10.6 PKI Core module for PKI 10.6 or later

pki-deps 10.6 PKI Dependencies module for PKI 10.6 or later

pmdk 1\_fileformat\_v6 Persistent Memory Development Kit (former NVML)

postgresql 9.6 client, PostgreSQL server and client module

server [

d]

postgresql 10 [d][e] client, PostgreSQL server and client module

server [

d] [i]

postgresql 12 client, PostgreSQL server and client module

server [

d]

postgresql 13 client, PostgreSQL server and client module

server [

d]

python27 2.7 [d] common [ Python programming language, version 2.7

d]

python36 3.6 [d][e] build, c Python programming language, version 3.6

ommon [d

]

python38 3.8 [d] build, c Python programming language, version 3.8

ommon [d

]

python39 3.9 [d] build, c Python programming language, version 3.9

ommon [d

]

redis 5 [d] common [ Redis persistent key-value database

d]

redis 6 common [ Redis persistent key-value database

d]

rhn-tools 1.0 [d] common [ Red Hat Satellite 5 tools for RHEL

d]

ruby 2.5 [d] common [ An interpreter of object-oriented scripting language

d]

ruby 2.6 common [ An interpreter of object-oriented scripting language

d]

ruby 2.7 common [ An interpreter of object-oriented scripting language

d]

ruby 3.0 common [ An interpreter of object-oriented scripting language

d]

rust-toolset rhel8 [d] common [ Rust

d]

satellite-5-client 1.0 [d] common [ Red Hat Satellite 5 client packages

d], gui

scala 2.10 [d] common [ A hybrid functional/object-oriented language for the JVM

d]

squid 4 [d] common [ Squid - Optimising Web Delivery

d]

subversion 1.10 [d] common [ Apache Subversion

d], serv

er

subversion 1.14 common [ Apache Subversion

d], serv

er

swig 3.0 [d] common [ Connects C/C++/Objective C to some high-level programming languages

d], comp

lete

swig 4.0 common [ Connects C/C++/Objective C to some high-level programming languages

d], comp

lete

varnish 6 [d] common [ Varnish HTTP cache

d]

virt rhel [d][e] common [ Virtualization module

d]

Hint: [d]efault, [e]nabled, [x]disabled, [i]nstalled