

# Install Radius server on CentOS 7

```
[root@localhost ~]# yum update -y
```

```
bash: yum: command not found...
[root@localhost ~]# yum update -y
Loaded plugins: fastestmirror, langpacks
Loading mirror speeds from cached hostfile
 * base: bd.mirror.vanehost.com
 * epel: mirrors.thzhost.com
 * extras: mirrors.hostever.com
 * remi-safe: mirrors.thzhost.com
 * updates: bd.mirror.vanehost.com
Resolving Dependencies
--> Running transaction check
--> Package MariaDB-client.x86_64 0:10.4.26-1.el7.centos will be updated
--> Package MariaDB-client.x86_64 0:10.4.27-1.el7.centos will be an update
--> Package MariaDB-common.x86_64 0:10.4.26-1.el7.centos will be updated
--> Package MariaDB-common.x86_64 0:10.4.27-1.el7.centos will be an update
--> Package MariaDB-compat.x86_64 0:10.4.26-1.el7.centos will be updated
--> Package MariaDB-compat.x86_64 0:10.4.27-1.el7.centos will be an update
--> Package MariaDB-server.x86_64 0:10.4.26-1.el7.centos will be updated
--> Package MariaDB-server.x86_64 0:10.4.27-1.el7.centos will be an update
--> Package NetworkManager.x86_64 1:1.18.8-1.el7 will be updated
```

```
[root@localhost ~]# setenforce 0
```

```
[root@localhost ~]# vim /etc/selinux/config
```

```
SELINUX=disabled
```

```
#      permissive - SELinux prints warnings instead of
#      disabled - No SELinux policy is loaded.
SELINUX=disabled
# SELINUXTYPE can take one of three values:
#      targeted - Targeted processes are protected,
#      minimum - Modification of targeted policy. Only
#      mls - Multi Level Security protection.
SELINUXTYPE=targeted
```

```
[root@localhost ~]# yum -y groupinstall "Development Tools"
```

```
[root@localhost ~]# setenforce 0
[root@localhost ~]# yum -y groupinstall "Development Tools"
Loaded plugins: fastestmirror, langpacks
There is no installed groups file.
Maybe run: yum groups mark convert (see man yum)
Loading mirror speeds from cached hostfile
 * base: bd.mirror.vanehost.com
 * epel: mirrors.thzhost.com
 * extras: mirrors.hostever.com
 * remi-safe: mirrors.thzhost.com
 * updates: bd.mirror.vanehost.com
Resolving Dependencies
--> Running transaction check
--> Package autoconf.noarch 0:2.69-11.el7 will be installed
--> Processing Dependency: m4 >= 1.4.14 for package: autoconf-2.69-11.el7.noarch
--> Package automake.noarch 0:1.13.4-3.el7 will be installed
--> Processing Dependency: perl(Thread::Queue) for package: automake-1.13.4-3.el7.noarch
--> Processing Dependency: perl(TAP::Parser) for package: automake-1.13.4-3.el7.noarch
--> Package bison.x86_64 0:3.0.4-2.el7 will be installed
--> Package bzip2.x86_64 0:1.0.6-13.el7 will be installed
```

```
[root@localhost ~]# yum -y install httpd httpd-devel
```

```
[root@localhost ~]#  
[root@localhost ~]# yum -y install httpd httpd-devel  
Loaded plugins: fastestmirror, langpacks  
Loading mirror speeds from cached hostfile  
* base: bd.mirror.vanehost.com  
* epel: mirrors.thzhost.com  
* extras: mirrors.hostever.com  
* remi-safe: mirrors.thzhost.com  
* updates: bd.mirror.vanehost.com  
Package httpd-2.4.6-97.el7.centos.5.x86_64 already installed and latest version  
Resolving Dependencies  
--> Running transaction check  
--> Package httpd-devel.x86_64 0:2.4.6-97.el7.centos.5 will be installed  
--> Processing Dependency: apr-util-devel for package: httpd-devel-2.4.6-97.el7.centos.5.x86_64  
--> Processing Dependency: apr-devel for package: httpd-devel-2.4.6-97.el7.centos.5.x86_64  
--> Running transaction check  
--> Package apr-devel.x86_64 0:1.4.8-7.el7 will be installed  
--> Package apr-util-devel.x86_64 0:1.5.2-6.el7 will be installed  
--> Processing Dependency: openldap-devel(x86-64) for package: apr-util-devel-1.5.2-6.el7.x86_64  
--> Processing Dependency: libdb-devel(x86-64) for package: apr-util-devel-1.5.2-6.el7.x86_64  
--> Processing Dependency: expat-devel(x86-64) for package: apr-util-devel-1.5.2-6.el7.x86_64  
--> Running transaction check
```

```
[root@localhost ~]# systemctl enable --now httpd
```

```
[root@localhost ~]# systemctl status httpd
```

```
[root@localhost ~]# systemctl enable --now httpd  
[root@localhost ~]# systemctl status httpd  
● httpd.service - The Apache HTTP Server  
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; vendor preset: disabled)  
   Active: active (running) since Sun 2022-10-30 11:59:35 +06; 1 months 12 days ago  
     Docs: man:httpd(8)  
           man:apachectl(8)  
  Main PID: 12722 (httpd)  
    Status: "Total requests: 91; Current requests/sec: 0; Current traffic: 0 B/sec"  
    CGroup: /system.slice/httpd.service  
            └─12722 /usr/sbin/httpd -DFOREGROUND  
              12723 /usr/sbin/httpd -DFOREGROUND  
              12724 /usr/sbin/httpd -DFOREGROUND  
              12725 /usr/sbin/httpd -DFOREGROUND  
              12726 /usr/sbin/httpd -DFOREGROUND  
              12727 /usr/sbin/httpd -DFOREGROUND  
              12902 /usr/sbin/httpd -DFOREGROUND  
              63846 /usr/sbin/httpd -DFOREGROUND  
              63847 /usr/sbin/httpd -DFOREGROUND  
              63848 /usr/sbin/httpd -DFOREGROUND  
              63849 /usr/sbin/httpd -DFOREGROUND
```

```
[root@localhost ~]# vim /etc/yum.repos.d/MariaDB.repo
```

```
[mariadb]  
name=MariaDB  
baseurl=http://yum.mariadb.org/10.1/centos7-amd64  
gpgkey=https://yum.mariadb.org/RPM-GPG-KEY-MariaDB  
gpgcheck=1
```

```
[mariadb]
name=MariaDB                                10.3 allow version
baseurl=http://yum.mariadb.org/10.1/centos7-amd64
gpgkey=https://yum.mariadb.org/RPM-GPG-KEY-MariaDB
gpgcheck=1
~
```

```
[root@localhost ~]# yum -y install MariaDB-server MariaDB-client
[root@localhost ~]# systemctl start --now mariadb
[root@localhost ~]# systemctl status mariadb
```

```
[root@localhost ~]# systemctl start --now mariadb
[root@localhost ~]# systemctl status mariadb
● mariadb.service - MariaDB 10.4.27 database server
   Loaded: loaded (/usr/lib/systemd/system/mariadb.service; enabled; vendor preset: disabled)
   Drop-In: /etc/systemd/system/mariadb.service.d
            └─migrated-from-my.cnf-settings.conf
   Active: active (running) since Mon 2022-12-12 12:45:05 +06; 16min ago
     Docs: man:mysqld(8)
           https://mariadb.com/kb/en/library/systemd/
  Main PID: 98998 (mysqld)
    Status: "Taking your SQL requests now..."
     Tasks: 77
    CGroup: /system.slice/mariadb.service
            └─98998 /usr/sbin/mysqld
```

```
[root@localhost ~]# mysql_secure_installation
```

```
[root@localhost ~]# mysql -u root -p
Enter password:
MariaDB [(none)]> CREATE DATABASE radius;
Query OK, 1 row affected (0.010 sec)

MariaDB [(none)]> GRANT ALL ON radius.* TO radius@localhost IDENTIFIED BY "StrongradiusPass";
Query OK, 0 rows affected (0.020 sec)

MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]> exit
```

```
[root@localhost ~]# mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 29
Server version: 10.4.27-MariaDB MariaDB Server

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> CREATE DATABASE radius;
Query OK, 1 row affected (0.010 sec)

MariaDB [(none)]> GRANT ALL ON radius.* TO radius@localhost IDENTIFIED BY "StrongradiusPass";
Query OK, 0 rows affected (0.020 sec)

MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]> exit
Bye
```

```
[root@localhost ~]# yum -y install epel-release
```

```
[root@localhost ~]# yum -y install epel-release
Loaded plugins: fastestmirror, langpacks
Repository mariadb is listed more than once in the configuration
Loading mirror speeds from cached hostfile
 * base: bd.mirror.vanehost.com
 * epel: mirrors.thzhost.com
 * extras: mirrors.hostever.com
 * remi-safe: mirrors.thzhost.com
 * updates: bd.mirror.vanehost.com
http://yum.mariadb.org/10.1/centos7-amd64/repodata/repomd.xml: [Errno 14] HTTP Error 404 - Not Found
Trying other mirror.
To address this issue please refer to the below wiki article
https://wiki.centos.org/yum-errors

If above article doesn't help to resolve this issue please use https://bugs.centos.org/.

Package epel-release-7-14.noarch already installed and latest version
Nothing to do
```

```
[root@localhost ~]# yum -y install freeradius freeradius-utils freeradius-mysql httpd httpd-devel mariadb-server mariadb
```

```
[root@localhost ~]# yum -y install freeradius freeradius-utils freeradius-mysql httpd httpd-devel mariadb-server mariadb
Loaded plugins: fastestmirror, langpacks
Repository mariadb is listed more than once in the configuration
Loading mirror speeds from cached hostfile
 * base: bd.mirror.vanehost.com
 * epel: mirrors.thzhost.com
 * extras: mirrors.hostever.com
 * remi-safe: mirrors.thzhost.com
 * updates: bd.mirror.vanehost.com
http://yum.mariadb.org/10.1/centos7-amd64/repodata/repomd.xml: [Errno 14] HTTP Error 404 - Not Found
Trying other mirror.
To address this issue please refer to the below wiki article
https://wiki.centos.org/yum-errors

If above article doesn't help to resolve this issue please use https://bugs.centos.org/.

Package httpd-2.4.6-97.el7.centos.5.x86_64 already installed and latest version
Package httpd-devel-2.4.6-97.el7.centos.5.x86_64 already installed and latest version
Package 1:mariadb-server-5.5.68-1.el7.x86_64 is obsoleted by MariaDB-server-10.4.27-1.el7.centos.x86_64 which is already installed
Package 1:mariadb-5.5.68-1.el7.x86_64 is obsoleted by MariaDB-client-10.4.27-1.el7.centos.x86_64 which is already installed
Resolving Dependencies
--> Running transaction check
--> Package freeradius.x86_64 0:3.0.13-15.el7 will be installed
--> Processing Dependency: libnaaaap.so.0()(64bit) for package: freeradius-3.0.13-15.el7.x86_64
--> Package freeradius-mysql.x86_64 0:3.0.13-15.el7 will be installed
--> Package freeradius-utils.x86_64 0:3.0.13-15.el7 will be installed
--> Running transaction check
--> Package tncfhh-libs.x86_64 0:0.8.3-16.el7 will be installed
```

Dependencies Resolved				
Package	Arch	Version	Repository	Size
Installing:				
freeradius	x86_64	3.0.13-15.el7	base	1.1 M
freeradius-mysql	x86_64	3.0.13-15.el7	base	91 k
freeradius-utils	x86_64	3.0.13-15.el7	base	222 k
Installing for dependencies:				
log4cxx	x86_64	0.10.0-16.el7	base	452 k
tnctfh	x86_64	0.8.3-16.el7	base	680 k
tnctfh-libs	x86_64	0.8.3-16.el7	base	160 k
tnctfh-utils	x86_64	0.8.3-16.el7	base	33 k
xerces-c	x86_64	3.1.1-10.el7_7	base	879 k
Transaction Summary				
Install 3 Packages (+5 Dependent packages)				

[root@localhost ~]# yum -y install <http://rpms.remirepo.net/enterprise/remi-release-7.rpm>

```
[root@localhost ~]# yum -y install http://rpms.remirepo.net/enterprise/remi-release-7.rpm
Loaded plugins: fastestmirror, langpacks
Repository mariadb is listed more than once in the configuration
remi-release-7.rpm                                | 23 kB  00:00:00
Examining /var/tmp/yum-root-atMjPd/remi-release-7.rpm: remi-release-7.9-4.el7.rem1.noarch
/var/tmp/yum-root-atMjPd/remi-release-7.rpm: does not update installed package.
Error: Nothing to do
[root@localhost ~]# yum -y install yum-utils
```

```
[root@localhost ~]# yum -y install yum-utils
[root@localhost ~]# yum-config-manager --disable remi-php54
[root@localhost ~]# yum-config-manager --enable remi-php74
```

[root@localhost ~]# yum -y install php php-{cli,curl,mysqlnd,devel,gd,pear,mcrypt,mbstring,xml,pear}

```
[root@localhost ~]# yum -y install php php-{cli,curl,mysqlnd,devel,gd,pear,mcrypt,mbstring,xml,pear}
Loaded plugins: fastestmirror, langpacks
Repository mariadb is listed more than once in the configuration
Loading mirror speeds from cached hostfile
 * base: bd.mirror.vanehost.com
 * epel: mirrors.thzhost.com
 * extras: mirrors.hostever.com
 * remi-php74: mirrors.thzhost.com
 * remi-safe: mirrors.thzhost.com
 * updates: bd.mirror.vanehost.com
http://yum.mariadb.org/10.3/centos7-amd64/repodata/repomd.xml: [Errno 14] HTTP Error 404 - Not Found
Trying other mirror.
To address this issue please refer to the below wiki article
https://wiki.centos.org/yum-errors
If above article doesn't help to resolve this issue please use https://bugs.centos.org/.

remi-php74                                | 3.0 kB  00:00:00
remi-php74/primary.db                      | 261 kB  00:00:07
Package php-mcrypt is obsoleted by php-pecl-mcrypt, trying to install php-pecl-mcrypt-1.0.5-1.el7.rem1.7.4.x86_64 instead
Resolving Dependencies
=====
Sesions
Installing:
php-devel                                x86_64                                7.4.33-1.el7.rem1                                remi-php74                                1.2 M
php-pear                                noarch                                1:1.10.13-1.el7.rem1                            remi-php74                                363 k
php-pecl-mcrypt                         x86_64                                1.0.5-1.el7.rem1.7.4                            remi-php74                                30 k
Updating:
php                                      x86_64                                7.4.33-1.el7.rem1                                remi-php74                                3.4 M
php-cli                                 x86_64                                7.4.33-1.el7.rem1                                remi-php74                                5.2 M
php-common                              x86_64                                7.4.33-1.el7.rem1                                remi-php74                                1.2 M
php-gd                                  x86_64                                7.4.33-1.el7.rem1                                remi-php74                                90 k
php-mbstring                            x86_64                                7.4.33-1.el7.rem1                                remi-php74                                526 k
php-mysqlnd                             x86_64                                7.4.33-1.el7.rem1                                remi-php74                                256 k
php-xml                                 x86_64                                7.4.33-1.el7.rem1                                remi-php74                                210 k
Installing for dependencies:
keyutils-libs-devel                     x86_64                                1.5.8-3.el7                                      base                                      37 k
krb5-devel                               x86_64                                1.15.1-55.el7_9                                updates                                  273 k
libcom_err-devel                         x86_64                                1.42.9-19.el7                                   base                                      32 k
libicu71                                 x86_64                                71.1-2.el7                                       remi-safe                                10 M
libkadm5                                 x86_64                                1.15.1-55.el7_9                                updates                                  180 k
libmcrypt                                x86_64                                2.5.8-13.el7                                    epel                                      99 k
libselinux-devel                         x86_64                                2.5-15.el7                                       base                                      187 k
libsepol-devel                           x86_64                                2.5-10.el7                                       base                                      77 k
libsodium                                 x86_64                                1.0.18-1.el7                                    epel                                      147 k
libverto-devel                           x86_64                                0.2.5-4.el7                                      base                                      12 k
libxml2-devel                            x86_64                                2.9.1-6.el7_9.6                                updates                                  1.1 M
openssl-devel                            x86_64                                1:1.0.2k-25.el7_9                              updates                                  1.5 M
pcre-devel                               x86_64                                8.32-17.el7                                     base                                      480 k
php-sodium                               x86_64                                7.4.33-1.el7.rem1                              remi-php74                                86 k
xz-devel                                 x86_64                                5.2.2-2.el7_9                                  updates                                  48 k
zlib-devel                               x86_64                                1.2.7-20.el7_9                                 updates                                  50 k
Updating for dependencies:
php-gmp                                  x86_64                                7.4.33-1.el7.rem1                              remi-php74                                81 k
php-intl                                 x86_64                                7.4.33-1.el7.rem1                              remi-php74                                238 k
php-json                                 x86_64                                7.4.33-1.el7.rem1                              remi-php74                                74 k
php-ldap                                 x86_64                                7.4.33-1.el7.rem1                              remi-php74                                94 k
php-pdo                                  x86_64                                7.4.33-1.el7.rem1                              remi-php74                                140 k
php-process                             x86_64                                7.4.33-1.el7.rem1                              remi-php74                                93 k
php-snmp                                 x86_64                                7.4.33-1.el7.rem1                              remi-php74                                75 k
Transaction Summary
```

[root@localhost ~]# yum -y install freeradius freeradius-utils freeradius-mysql

```
[root@localhost ~]#
[root@localhost ~]# yum -y install freeradius freeradius-utils freeradius-mysql
Loaded plugins: fastestmirror, langpacks
Repository mariadb is listed more than once in the configuration
Loading mirror speeds from cached hostfile
* base: bd.mirror.vanehost.com
* epel: mirrors.thzhost.com
* extras: mirrors.hostever.com
* remi-php74: mirrors.thzhost.com
* remi-safe: mirrors.thzhost.com
* updates: bd.mirror.vanehost.com
http://yum.mariadb.org/10.1/centos7-amd64/repodata/repomd.xml: [Errno 14] HTTP Error 404 - Not Found
Trying other mirror.
To address this issue please refer to the below wiki article
https://wiki.centos.org/yum-errors

If above article doesn't help to resolve this issue please use https://bugs.centos.org/.

Package freeradius-3.0.13-15.el7.x86_64 already installed and latest version
Package freeradius-utils-3.0.13-15.el7.x86_64 already installed and latest version
Package freeradius-mysql-3.0.13-15.el7.x86_64 already installed and latest version
Nothing to do
```

```
[root@localhost ~]# systemctl enable --now radiusd.service
[root@localhost ~]# systemctl status radiusd.service
```

```
[root@localhost ~]#
[root@localhost ~]# systemctl enable --now radiusd.service
Created symlink from /etc/systemd/system/multi-user.target.wants/radiusd.service to /usr/lib/systemd/system/radiusd.service.
[root@localhost ~]# systemctl status radiusd.service
● radiusd.service - FreeRADIUS high performance RADIUS server.
   Loaded: loaded (/usr/lib/systemd/system/radiusd.service; enabled; vendor preset: disabled)
   Active: active (running) since Mon 2022-12-12 14:17:58 +06; 10s ago
     Process: 24334 ExecStart=/usr/sbin/radiusd -d /etc/raddb (code=exited, status=0/SUCCESS)
     Process: 24331 ExecStartPre=/usr/sbin/radiusd -C (code=exited, status=0/SUCCESS)
     Process: 24329 ExecStartPre=/bin/chown -R radiusd.radiusd /var/run/radiusd (code=exited, status=0/SUCCESS)
    Main PID: 24337 (radiusd)
       Tasks: 6
      CGroup: /system.slice/radiusd.service
              └─24337 /usr/sbin/radiusd -d /etc/raddb
```

```
[root@localhost ~]# sudo firewall-cmd --add-service={http,https,radius} --permanent
success
[root@localhost ~]# sudo firewall-cmd --reload
success
[root@localhost ~]# sudo ss -tunlp | grep radiusd
```

```
success
[root@localhost ~]# sudo ss -tunlp | grep radiusd
udp UNCONN 0 0 *:43071 *: users:(("radiusd",pid=24337,fd=12))
udp UNCONN 0 0 127.0.0.1:18120 *: users:(("radiusd",pid=24337,fd=11))
udp UNCONN 0 0 *:1812 *: users:(("radiusd",pid=24337,fd=7))
udp UNCONN 0 0 *:1813 *: users:(("radiusd",pid=24337,fd=8))
udp UNCONN 0 0 [::]:53554 [::]: users:(("radiusd",pid=24337,fd=13))
udp UNCONN 0 0 [::]:1812 [::]: users:(("radiusd",pid=24337,fd=9))
udp UNCONN 0 0 [::]:1813 [::]: users:(("radiusd",pid=24337,fd=10))
[root@localhost ~]#
```

```
[root@localhost ~]# sudo su -
Last login: Mon Dec 12 12:36:10 +06 2022 from 192.168.30.1 on pts/3
[root@localhost ~]# mysql -u root -p radius < /etc/raddb/mods-config/sql/main/mysql/schema.sql
Enter password:
```

```
[root@localhost ~]#
[root@localhost ~]# mysql -u root -p radius < /etc/raddb/mods-config/sql/main/mysql/schema.sql
Enter password: root password mariadb
```

```
[root@localhost ~]# ln -s /etc/raddb/mods-available/sql /etc/raddb/mods-enabled/  
[root@localhost ~]# vim /etc/raddb/mods-available/sql
```

```
****  
  
sql {  
    driver = "rlm_sql_mysql"  
    dialect = "mysql"  
  
    # Connection info:  
  
    server = "localhost"  
    port = 3306  
    login = "radius"  
    password = "StrongradiusPass"  
  
    # Database table configuration for everything except Oracle  
  
    radius_db = "radius"  
}  
  
# Set to 'yes' to read radius clients from the database ('nas' table)  
# Clients will ONLY be read on server startup.  
read_clients = yes  
  
# Table to keep radius client info  
client_table = "nas"
```

```
[root@localhost ~]# sudo yum -y install wget
```

```
[root@localhost ~]# sudo yum -y install wget  
Loaded plugins: fastestmirror, langpacks  
Repository mariadb is listed more than once in the configuration  
Loading mirror speeds from cached hostfile  
* base: bd.mirror.vanehost.com  
* epel: mirrors.thzhost.com  
* extras: mirrors.hostever.com  
* remi-php74: mirrors.thzhost.com  
* remi-safe: mirrors.thzhost.com  
* updates: bd.mirror.vanehost.com  
http://yum.mariadb.org/10.1/centos7-amd64/repodata/repomd.xml: [Errno 14] HTTP E  
rror 404 - Not Found  
Trying other mirror.  
To address this issue please refer to the below wiki article  
https://wiki.centos.org/yum-errors  
If above article doesn't help to resolve this issue please use https://bugs.centos.org/.  
  
Package wget-1.14-18.el7_6.1.x86_64 already installed and latest version  
Nothing to do
```

```
[root@localhost ~]# wget https://github.com/lirantal/daloradius/archive/master.zip
```



```
[root@localhost ~]# wget https://github.com/lirantal/daloradius/archive/master.zip
--2022-12-12 14:31:50-- https://github.com/lirantal/daloradius/archive/master.zip
Resolving github.com (github.com)... 20.205.243.166
Connecting to github.com (github.com)[20.205.243.166]:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://codeload.github.com/lirantal/daloradius/zip/refs/heads/master [following]
--2022-12-12 14:31:51-- https://codeload.github.com/lirantal/daloradius/zip/refs/heads/master
Resolving codeload.github.com (codeload.github.com)... 20.205.243.165
Connecting to codeload.github.com (codeload.github.com)[20.205.243.165]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [application/zip]
Saving to: 'master.zip'

[
] 22,532,908 558KB/s in 21s

2022-12-12 14:32:13 (1.01 MB/s) - 'master.zip' saved [22532908]
```

```
[root@localhost ~]# ls
anaconda-ks.cfg Desktop Documents Downloads initial-setup-ks.cfg master.zip Music Pictures Public
[root@localhost ~]# unzip master.zip
```

```
[root@localhost ~]# ls
anaconda-ks.cfg Desktop Documents Downloads initial-setup-ks.cfg master.zip Music Pictures Public Templates Videos
[root@localhost ~]# unzip master.zip
Archive: master.zip
028ed29bb10db316ddce5c693aface64f122f660
  creating: daloradius-master/
  inflating: daloradius-master/.gitignore
  inflating: daloradius-master/.htaccess
  inflating: daloradius-master/.htpasswd
  inflating: daloradius-master/ChangeLog
  inflating: daloradius-master/Dockerfile
  inflating: daloradius-master/Dockerfile-freeradius
  inflating: daloradius-master/FAQS
  inflating: daloradius-master/INSTALL
  inflating: daloradius-master/INSTALL.openSUSE
  inflating: daloradius-master/INSTALL.quick
  inflating: daloradius-master/INSTALL.win
  inflating: daloradius-master/LICENSE
```

```
[root@localhost ~]# mv daloradius-master/ daloradius
[root@localhost ~]# ls
[root@localhost ~]# mysql -u root -p radius < daloradius/contrib/db/fr2-mysql-daloradius-and-freeradius.sql
Enter password:
[root@localhost ~]# mysql -u root -p radius < daloradius/contrib/db/mysql-daloradius.sql
Enter password:
[root@localhost ~]#
[root@localhost ~]# mv daloradius /var/www/html/
[root@localhost ~]#
[root@localhost ~]# chown -R apache:apache /var/www/html/daloradius/
[root@localhost ~]#
[root@localhost ~]# mv /var/www/html/daloradius/library/daloradius.conf.php.sample /var/www/html/daloradius/library/daloradius.conf.php
[root@localhost ~]#
[root@localhost ~]# chmod 664 /var/www/html/daloradius/library/daloradius.conf.php
[root@localhost ~]#
```

```
[root@localhost ~]# vim /var/www/html/daloradius/library/daloradius.conf.php
****
$configValues['CONFIG_DB_HOST'] = 'localhost';
$configValues['CONFIG_DB_PORT'] = '3306';
$configValues['CONFIG_DB_USER'] = 'radius'; //Change your user name
$configValues['CONFIG_DB_PASS'] = 'StrongradiusPass'; //Change your databases name
$configValues['CONFIG_DB_NAME'] = 'radius';
***
```



```
include (dirname(__FILE__).'/version.php');

$configValues['FREERADIUS_VERSION'] = '2';
$configValues['CONFIG_DB_ENGINE'] = 'mysql';
$configValues['CONFIG_DB_HOST'] = 'localhost';
$configValues['CONFIG_DB_PORT'] = '3306';
$configValues['CONFIG_DB_USER'] = 'radius';
$configValues['CONFIG_DB_PASS'] = 'StrongradiusPass';
$configValues['CONFIG_DB_NAME'] = 'radius';
$configValues['CONFIG_DB_TBL_RADCHECK'] = 'radcheck';
```

```
[root@localhost ~]#
[root@localhost ~]# systemctl restart radiusd.service httpd
[root@localhost ~]# systemctl status radiusd.service httpd
```

```
[root@localhost ~]# systemctl status radiusd.service httpd
● radiusd.service - FreeRADIUS high performance RADIUS server.
   Loaded: loaded (/usr/lib/systemd/system/radiusd.service; enabled; vendor preset: disabled)
   Active: active (running) since Mon 2022-12-12 14:45:32 +06; 14s ago
     Process: 25020 ExecStartPre=/usr/sbin/radiusd -d /etc/raddb (code=exited, status=0/SUCCESS)
     Process: 25022 ExecStartPre=/usr/sbin/radiusd -C (code=exited, status=0/SUCCESS)
     Process: 25020 ExecStartPre=/bin/chown -R radiusd.radiusd /var/run/radiusd (code=exited, status=0/SUCCESS)
    Main PID: 25029 (radiusd)
       Tasks: 6
      CGroup: /system.slice/radiusd.service
              └─25029 /usr/sbin/radiusd -d /etc/raddb

Dec 12 14:45:31 localhost.localdomain systemd[1]: Stopped FreeRADIUS high performance RADIUS server..
Dec 12 14:45:31 localhost.localdomain systemd[1]: Starting FreeRADIUS high performance RADIUS server....
Dec 12 14:45:32 localhost.localdomain systemd[1]: Started FreeRADIUS high performance RADIUS server..

● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; vendor preset: disabled)
   Active: active (running) since Mon 2022-12-12 14:45:33 +06; 13s ago
     Docs: man:httpd(8)
           man:apachectl(8)
     Process: 25018 ExecStop=/bin/kill -WINCH ${MAINPID} (code=exited, status=0/SUCCESS)
    Main PID: 25038 (httpd)
   Status: "Total requests: 0; Current requests/sec: 0; Current traffic: 0 B/sec"
       Tasks: 6
      CGroup: /system.slice/httpd.service
              └─25038 /usr/sbin/httpd -DFOREGROUND
                  └─25039 /usr/sbin/httpd -DFOREGROUND
                      └─25040 /usr/sbin/httpd -DFOREGROUND
                          └─25041 /usr/sbin/httpd -DFOREGROUND
                              └─25042 /usr/sbin/httpd -DFOREGROUND
                                  └─25043 /usr/sbin/httpd -DFOREGROUND
```

```
[root@localhost ~]# sudo pear install DB
```

```
[root@localhost ~]# sudo pear install DB
WARNING: "pear/DB" is deprecated in favor of "pear/MDB2"
WARNING: channel "pear.php.net" has updated its protocols, use "pear channel-update pear.php.net" to update
downloading DB-1.11.0.tgz ...
Starting to download DB-1.11.0.tgz (132,549 bytes)
.....done: 132,549 bytes
install ok: channel://pear.php.net/DB-1.11.0
```

```
[root@localhost ~]# sudo pear install MDB2
```

```

install ok: channel://pear.php.net/2.4.1.tgz
[root@localhost ~]# sudo pear install MDB2
WARNING: channel "pear.php.net" has updated its protocols, use "pear channel-update pear.php.net" to update
downloading MDB2-2.4.1.tgz ...
Starting to download MDB2-2.4.1.tgz (121,557 bytes)
.....done: 121,557 bytes
install ok: channel://pear.php.net/MDB2-2.4.1
MDB2: Optional feature fbsql available (Frontbase SQL driver for MDB2)
MDB2: Optional feature ibase available (Interbase/Firebird driver for MDB2)
MDB2: Optional feature mysql available (MySQL driver for MDB2)
MDB2: Optional feature mysqli available (MySQLi driver for MDB2)
MDB2: Optional feature mssql available (MS SQL Server driver for MDB2)
MDB2: Optional feature oci8 available (Oracle driver for MDB2)
MDB2: Optional feature pgsql available (PostgreSQL driver for MDB2)
MDB2: Optional feature queriesim available (Queriesim driver for MDB2)
MDB2: Optional feature sqlite available (SQLite2 driver for MDB2)
MDB2: To install optional features use "pear install pear/MDB2#featurename"
[root@localhost ~]#

```

<http://ip-address/daloradius/login.php>

RADIUS Management, Reporting, Accounting and Billing by Liran Tal

Login Required

Username

administrator

Password

[REDACTED]

Location

default ▼

Login Please

daloRADIUS 1.3

[Home](#) | [Management](#) | [Reports](#) | [Accounting](#) | [Billing](#) | [GIS](#) | [Graphs](#) | [Config](#) | [Help](#)

**Home**

Status

Server Status

Services Status

Last Connection Attempts

Logs

Radius Log

System Log

Support

daloRADIUS  
RADIUS Management

READ MORE »

## daloRADIUS Web Management Server

version 1.3 / 04 Nov 2021

Liran Tal



dalo  
RADIUS

**Source link:**

<https://computingforgeeks.com/install-freeradius-and-daloradius-on-centos-rhel-8/>

<https://www.linuxtopic.com/2017/07/freeradius.html>

[https://www.youtube.com/watch?v=-i7Q7TNP9g4&t=2s&ab\\_channel=Let%27sDoRnD](https://www.youtube.com/watch?v=-i7Q7TNP9g4&t=2s&ab_channel=Let%27sDoRnD)

<https://systemzone.net/freeradius-installation-and-basic-configuration-on-centos-7/>

## ➔ User Add :

Home **Management** Reports Accounting Billing GIS Graphs Config Help

Users Batch Users Hotspots Nas User-Groups Profiles HuntGroups Attributes Realms/Proxys IP-Pool

**Management**

Users Management

List Users

**New User**

New User - Quick Add

Edit User

Search Users

Remove Users

Extended Capabilities

Import Users

### New User ?

Account Info User Info Billing Info Attributes

Authentication Type: Based on username and password

Group: daloRADIUS-Disabled-Users, Test\_5Mbps

Username: The exact username as the user

Password: Passwords are case sensitive in

Password Type: Cleartext-Password

Apply

Home **Management** Reports Accounting Billing GIS Graphs Config Help

Users Batch Users Hotspots Nas User-Groups Profiles HuntGroups Attributes Realms/Proxys IP-Pool

**Management**

Users Management

List Users

New User

New User - Quick Add

Edit User

Search Users

Remove Users

### Users Listing ?

CSV Export

Select All Select None Delete Disable Enable

selected	Name	Username	Password	Groups
<input type="checkbox"/>		test USER	123	Test_5Mbps
<input type="checkbox"/>		ikbal USER	123	Test_5Mbps
<input type="checkbox"/>		123 USER	123	Test_5Mbps

displayed 3 record(s)

## ➔ NAS Add:

dalo RADIUS

RADIUS Management, Reporting, Accounting and Billing by Liran Tal

Search Users

Welcome, **administrat**  
Location: **default**.

Home **Management** Reports Accounting Billing GIS Graphs Config Help

Users Batch Users Hotspots **Nas** User-Groups Profiles HuntGroups Attributes Realms/Proxys IP-Pool

**Management**

NAS Management

List NAS

**New NAS**

Edit NAS

Remove NAS

### New NAS Record

NAS Info NAS Advanced

NAS IP/Host: 10.200.208.202 Device IP

NAS Secret: sy\$tem#123

NAS Type: other

NAS Shortname: system

Apply



Home **Management** Reports Accounting Billing GIS Graphs Config Help

Users Batch Users Hotspots **Nas** User-Groups Profiles HuntGroups Attributes Realms/Proxys IP-Pool

### Management

NAS Management

- List NAS**
- New NAS
- Edit NAS
- 
- Remove NAS

### NAS Listing in Database

Select All Select None Delete

NAS ID	NAS IP/Host	NAS Shortname	NAS Type	NAS Ports	NAS Secret	NAS Virtual Server	NAS Community	NAS Description
<input type="checkbox"/> 1	<a href="#">10.200.208.202</a>	system	other	0	system#123			
<input type="checkbox"/> 4	<a href="#">103.216.57.198</a>	Mikrotik	other	0	r&d@#noc			

displayed 2 record(s)

 **Add Bandwidth Profile:**

Home **Management** Reports Accounting Billing GIS Graphs Config Help

Users Batch Users Hotspots **Nas** User-Groups **Profiles** HuntGroups Attributes Realms/Proxys IP-Pool

### Management

Profiles Management

- List Profiles
- New Profile**
- Edit Profile
- Select Profile
- 
- Duplicate Profile
- Remove Profile

### New Profile

Profile Name  **BW / Profile Name**

☐ Locate Attribute via Vendor/Attribute

Vendor:  Reload Vendors

Attribute:

☒ Quickly Locate attribute with autocomplete input

Custom Attribute:  **Add Attribute** **Select Your Quickly Locate Attribute and Add Attribute**

Type Your Attribute Name

**Apply**

Attribute:   
 Value:  Op:  Target:

[Remove](#) [Info](#)

Attribute:   
 Value:  Op:  Target:

[Remove](#) [Info](#)

Attribute:   
 Value:   Op:  Target:

[Remove](#) [Info](#)

Attribute:   
 Value:  Op:  Target:

[Remove](#) [Info](#) User Connection Notification 60 Sec Por por

Home **Management** Reports Accounting Billing GIS Graphs Config Help

Users Batch Users Hotspots Nas User-Groups **Profiles** HuntGroups Attributes Realms/Proxys IP-Pool

**Management**

Profiles Management

**List Profiles**

New Profile

Edit Profile

Select Profile

Duplicate Profile

Remove Profile

## Profiles Configuration ?

Select All Select None Delete

selected	Groupname ↑ ↓	Total Users ↑ ↓
<input type="checkbox"/>	<a href="#">Test_5Mbps</a>	3
<input type="checkbox"/>	<a href="#">daloRADIUS-Disabled-Users</a>	0
<input type="checkbox"/>	<a href="#">8_Mbps</a>	0

displayed 3 record(s)

