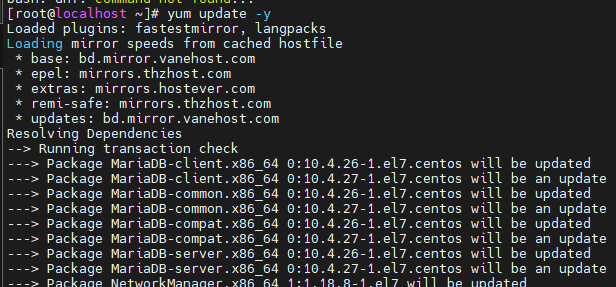
**Install Radius server on CentOS 7**

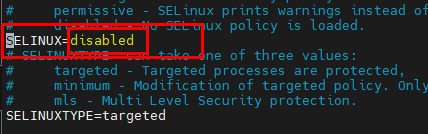
[root@localhost ~]# yum update -y



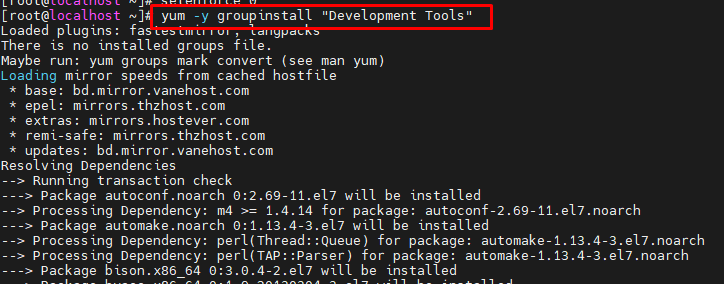
[root@localhost ~]# setenforce 0

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

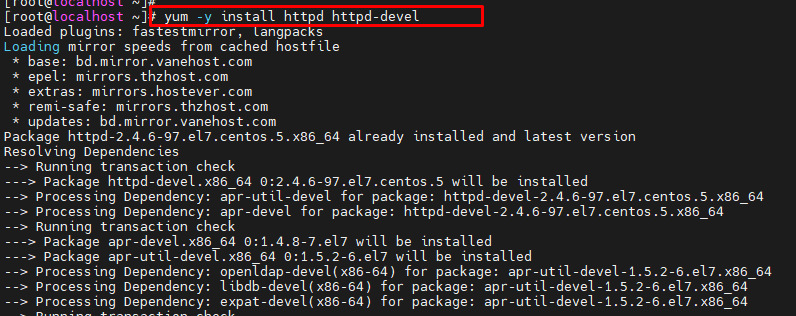
SELINUX=disabled



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

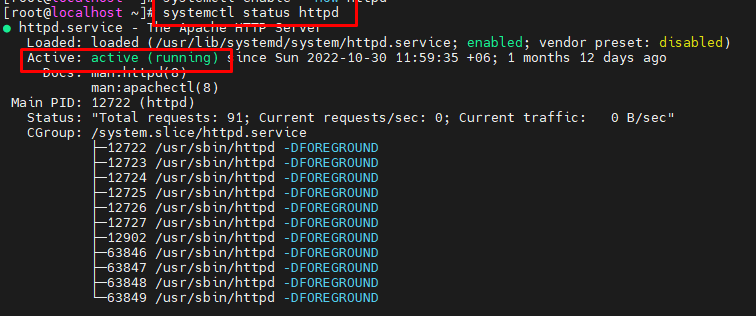


[root@localhost ~]# yum -y install httpd httpd-devel



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

[root@localhost ~]# systemctl status httpd



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

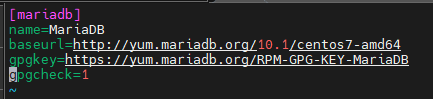
[mariadb]

name=MariaDB

baseurl=http://yum.mariadb.org/10.3/centos7-amd64

gpgkey=https://yum.mariadb.org/RPM-GPG-KEY-MariaDB

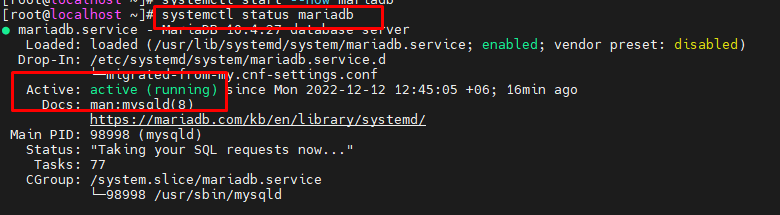
gpgcheck=1



[root@localhost ~]# yum -y install MariaDB-server MariaDB-client

[root@localhost ~]# systemctl start --now mariadb

[root@localhost ~]# systemctl status mariadb



[root@localhost ~]# mysql\_secure\_installation

[root@localhost ~]# mysql -u root -p

Enter password:

MariaDB [(none)]> CREATE DATABASE radius;

Query OK, 1 row affected (0.010 sec)

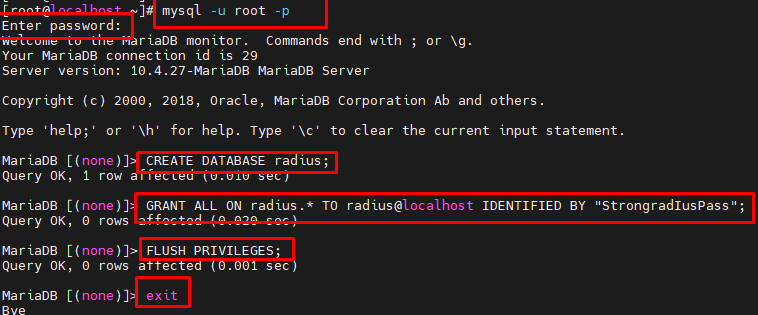
MariaDB [(none)]> GRANT ALL ON radius.\* TO radius@localhost IDENTIFIED BY "StrongradIusPass";

Query OK, 0 rows affected (0.020 sec)

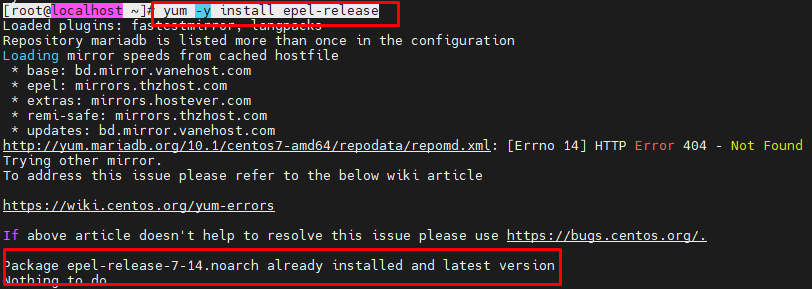
MariaDB [(none)]> FLUSH PRIVILEGES;

Query OK, 0 rows affected (0.001 sec)

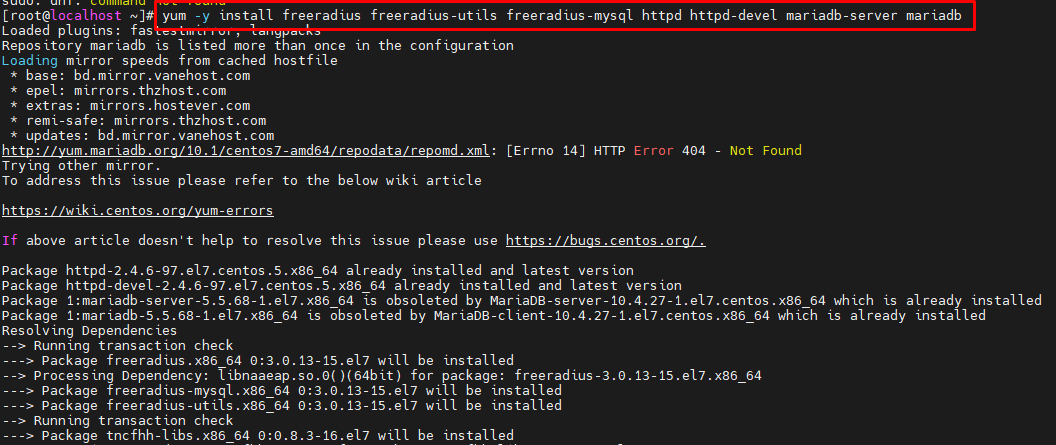
MariaDB [(none)]> exit

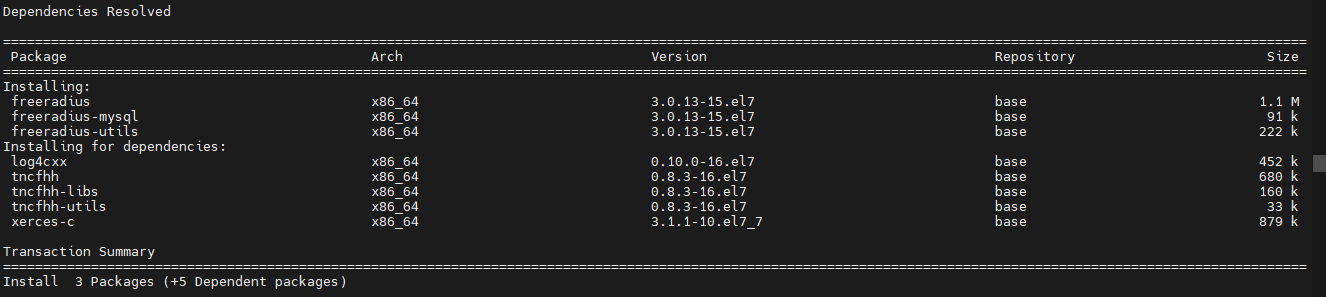


[root@localhost ~]# yum -y install epel-release



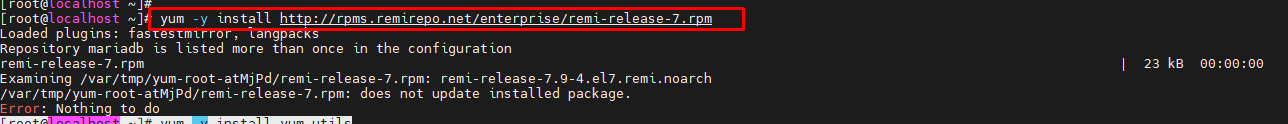
[root@localhost ~]# yum -y install freeradius freeradius-utils freeradius-mysql httpd httpd-devel mariadb-server mariadb





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

[root@docker admin]# yum -y install <http://rpms.remirepo.net/enterprise/remi-release-8.rpm> linux -8

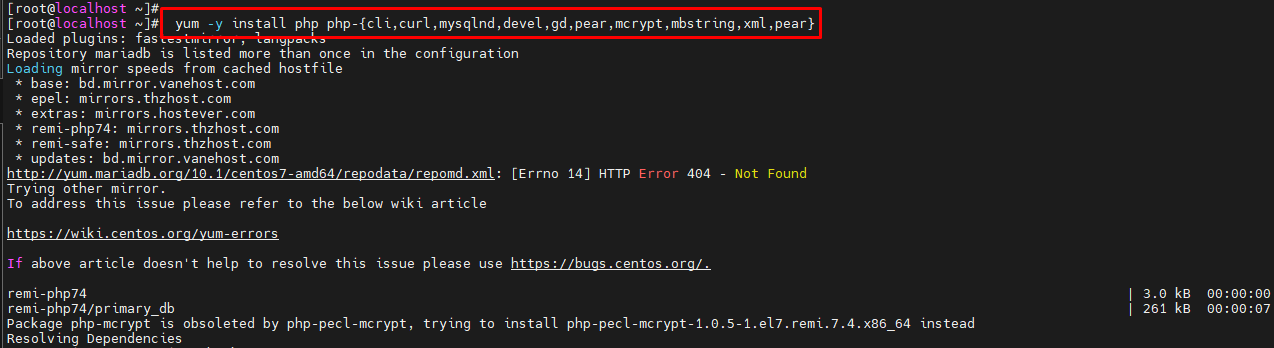


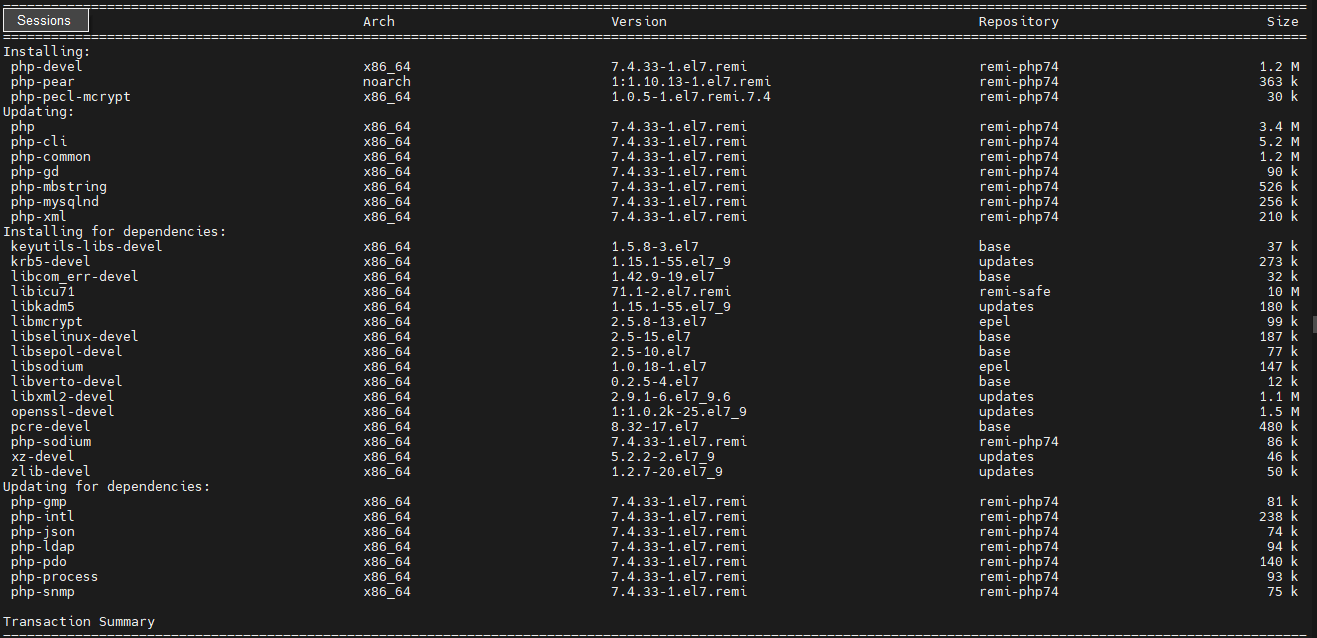
[root@localhost ~]# yum -y install yum-utils

[root@localhost ~]# yum-config-manager --disable remi-php54

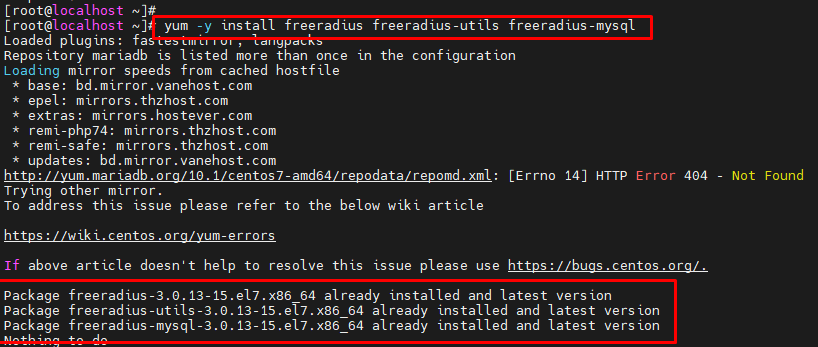
[root@localhost ~]# yum-config-manager --enable remi-php74

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



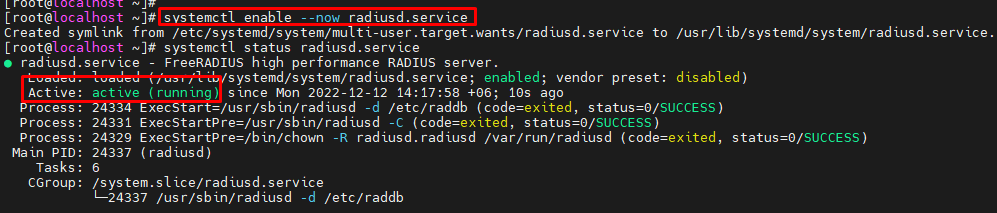


[root@localhost ~]# yum -y install freeradius freeradius-utils freeradius-mysql



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

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



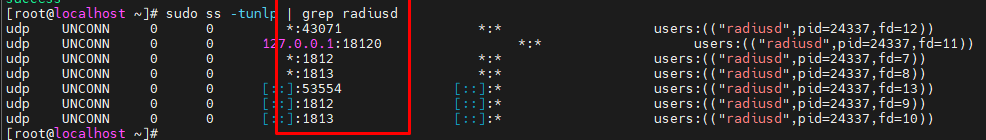
[root@localhost ~]# sudo firewall-cmd --add-service={http,https,radius} --permanent

success

[root@localhost ~]# sudo firewall-cmd --reload

success

[root@localhost ~]# sudo ss -tunlp | grep radius



[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 ~]# 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)

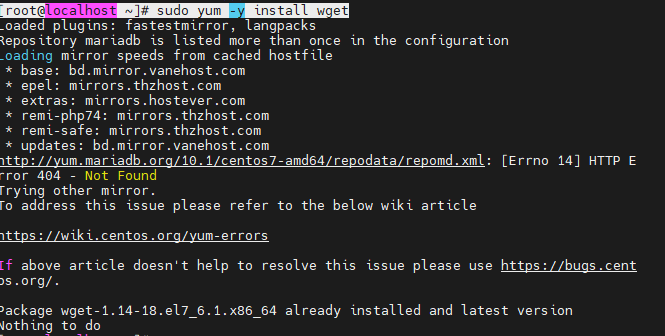
# Clients will ONLY be read on server startup.

read\_clients = yes

# Table to keep radius client info

client\_table = "nas"

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

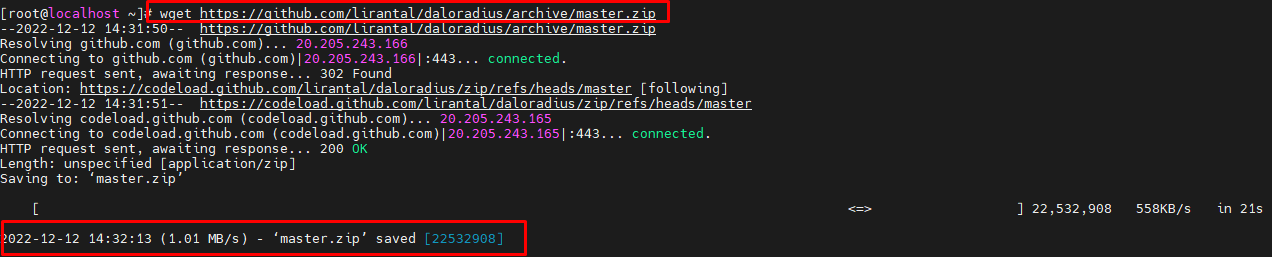


[root@localhost ~]# wget <https://github.com/lirantal/daloradius/archive/master.zip>

<https://sourceforge.net/projects/daloradius/>

<https://netix.dl.sourceforge.net/project/daloradius/daloradius/daloradius-1.1-2.zip>

//New Radius download link

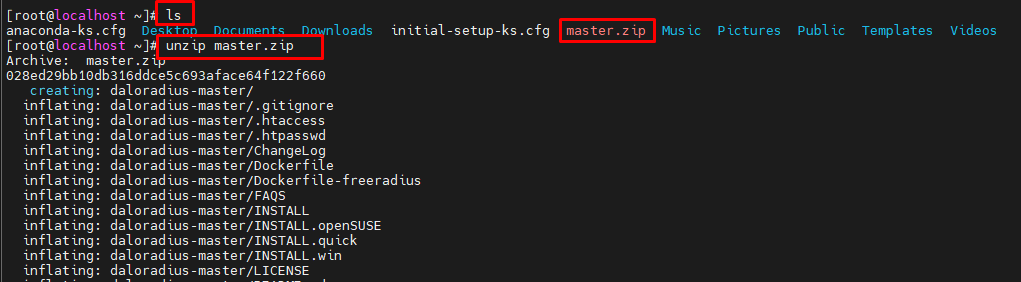


[root@localhost ~]# ls

[root@localhost ~]# dnf -y install unzip

anaconda-ks.cfg Desktop Documents Downloads initial-setup-ks.cfg master.zip Music Pictures Public

[root@localhost ~]# unzip master.zip



[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';

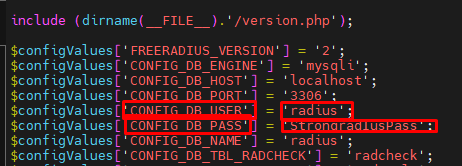
$configValues['CONFIG\_DB\_PORT'] = '3306';

$configValues['CONFIG\_DB\_USER'] = 'radius'; //Change your user name

$configValues['CONFIG\_DB\_PASS'] = 'StrongradIusPass'; //Change your databases name

$configValues['CONFIG\_DB\_NAME'] = 'radius';

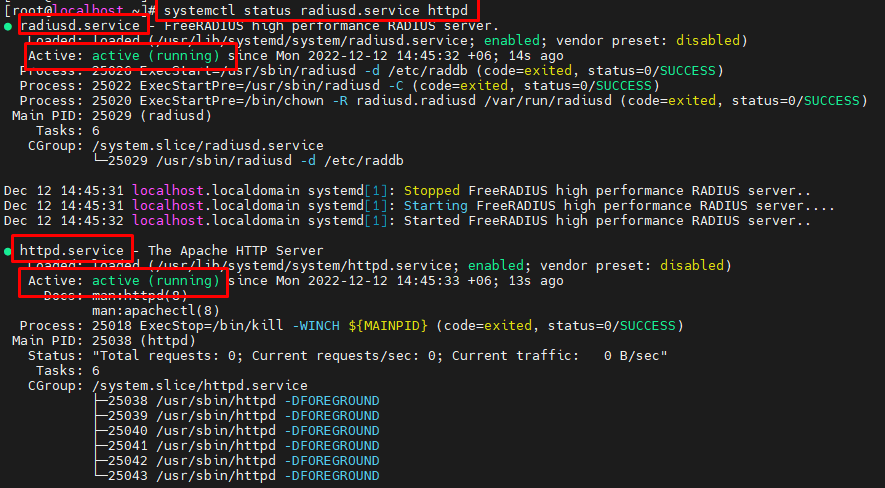
\*\*\*



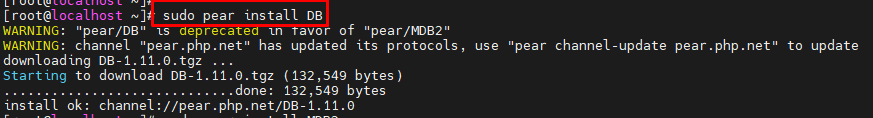
[root@localhost ~]#

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

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

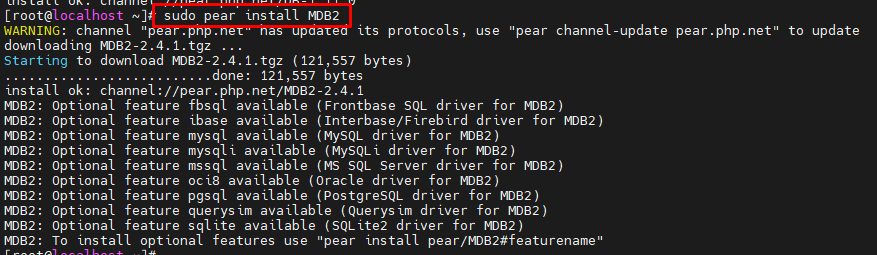


[root@localhost ~]# sudo pear install DB

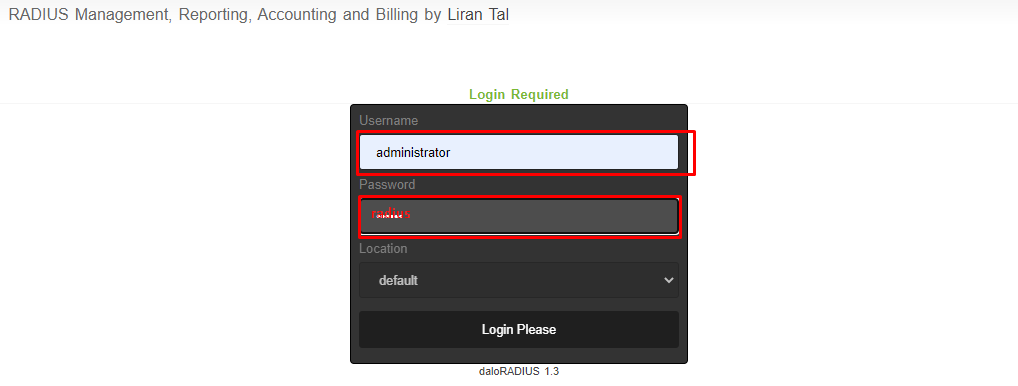


[root@localhost ~]# sudo pear install MDB2

**[root@radius ~]# sudo apachectl restart**



[**http://ip-address/daloradius/login.php**](http://ip-address/daloradius/login.php)





**Source link:**

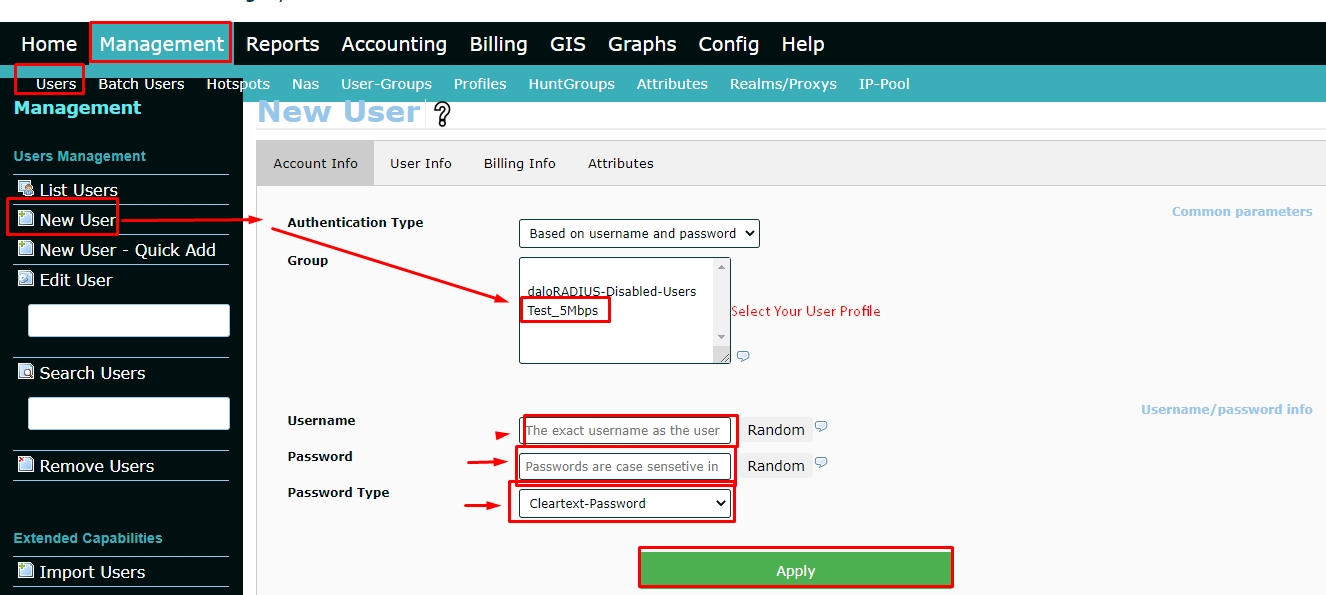
<https://computingforgeeks.com/install-freeradius-and-daloradius-on-centos-rhel-8/>

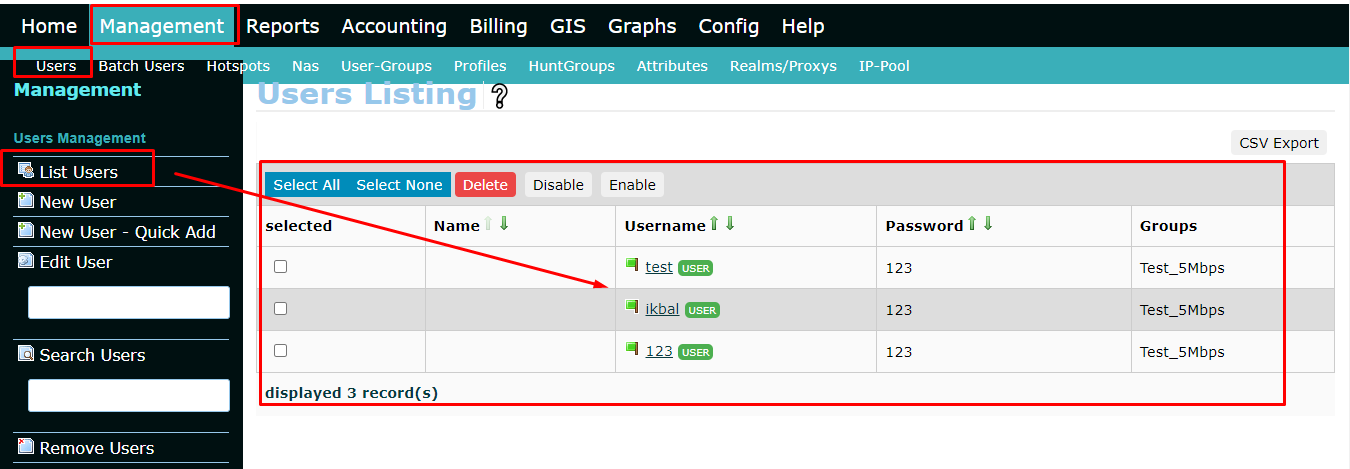
<https://www.linuxtopic.com/2017/07/freeradius.html>

<https://www.youtube.com/watch?v=-i7Q7TNP9g4&t=2s&ab_channel=Let%27sDoRnD>

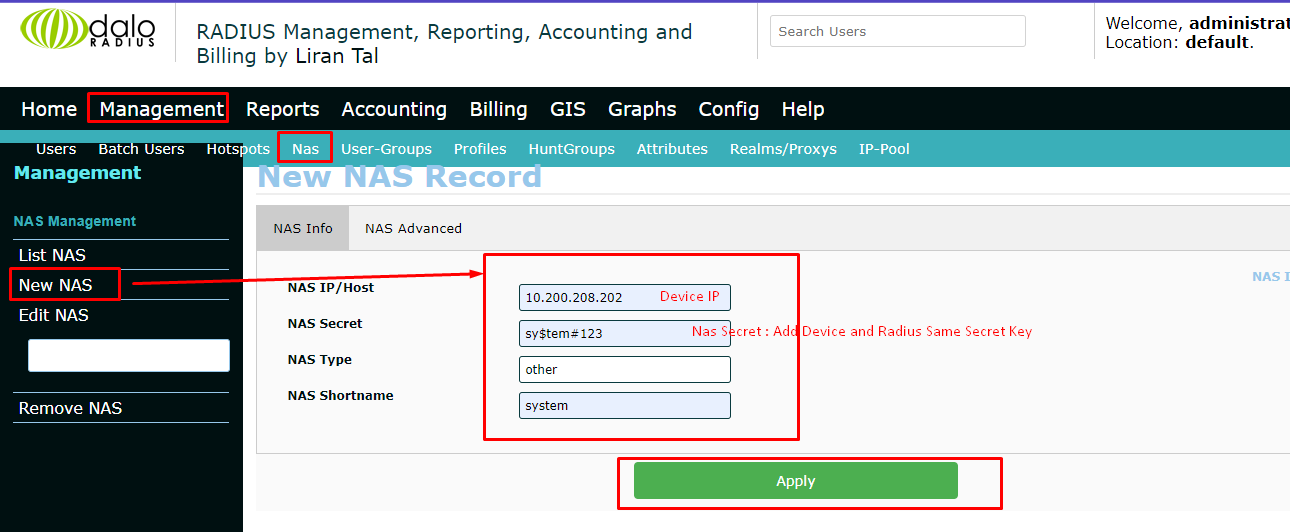
<https://systemzone.net/freeradius-installation-and-basic-configuration-on-centos-7/>

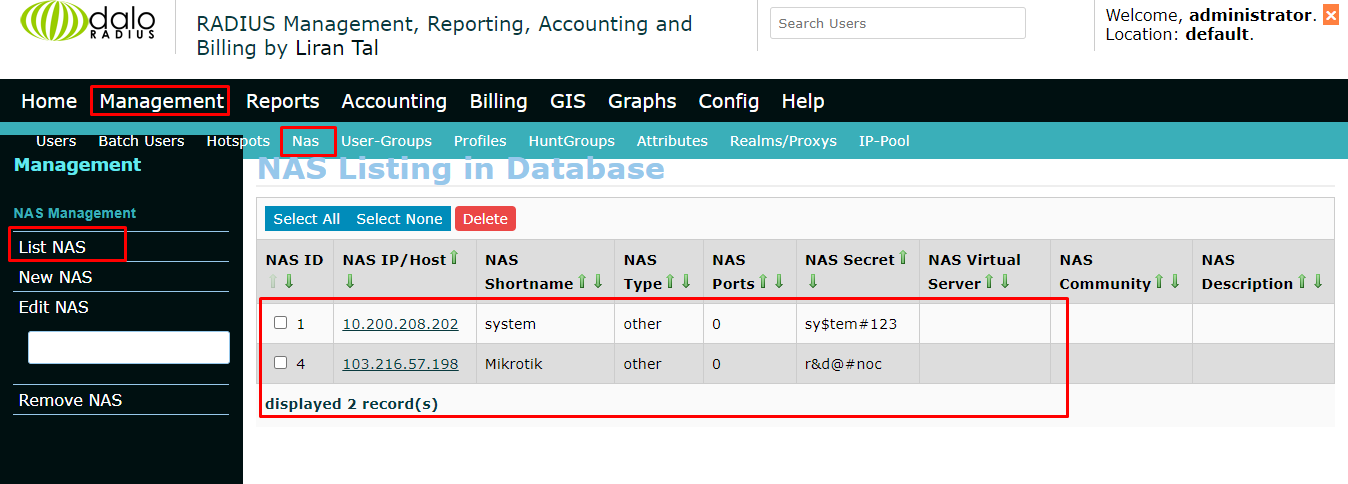
**User Add :**



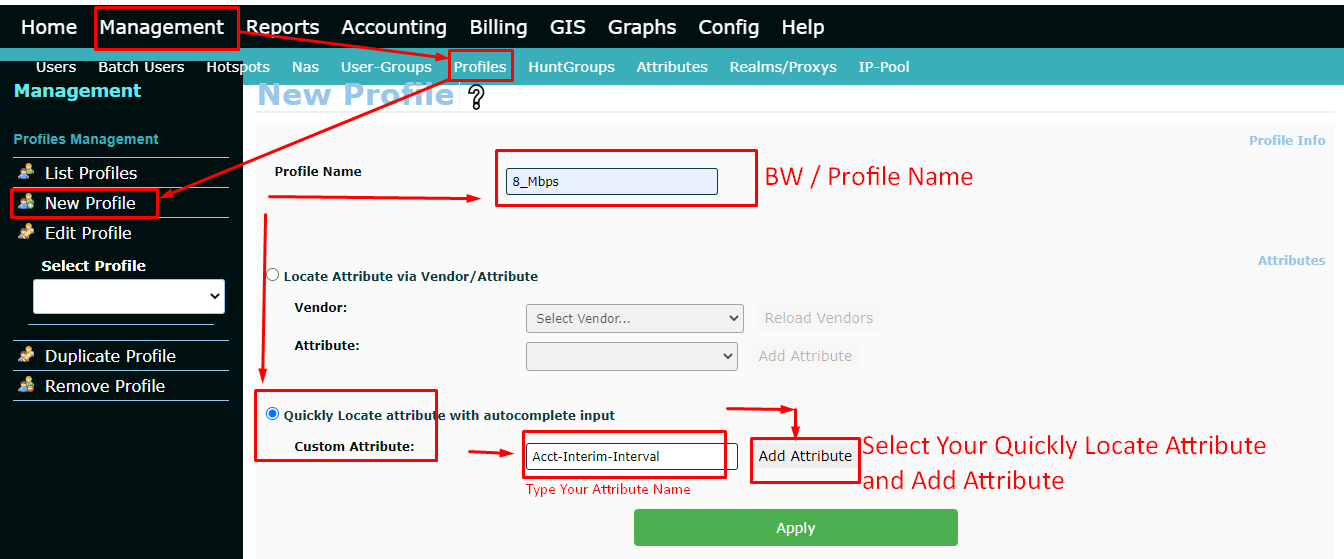


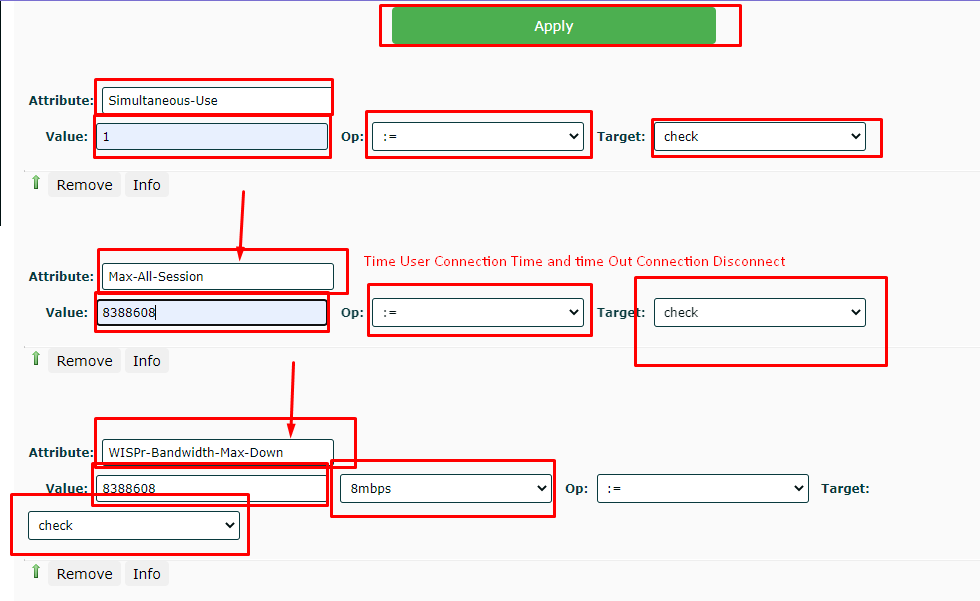
**NAS Add:**

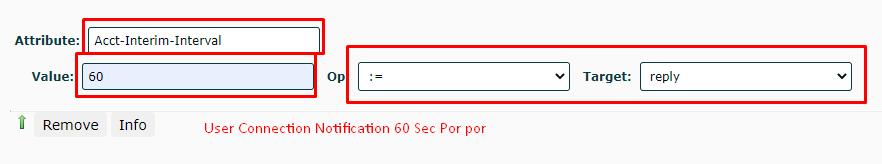


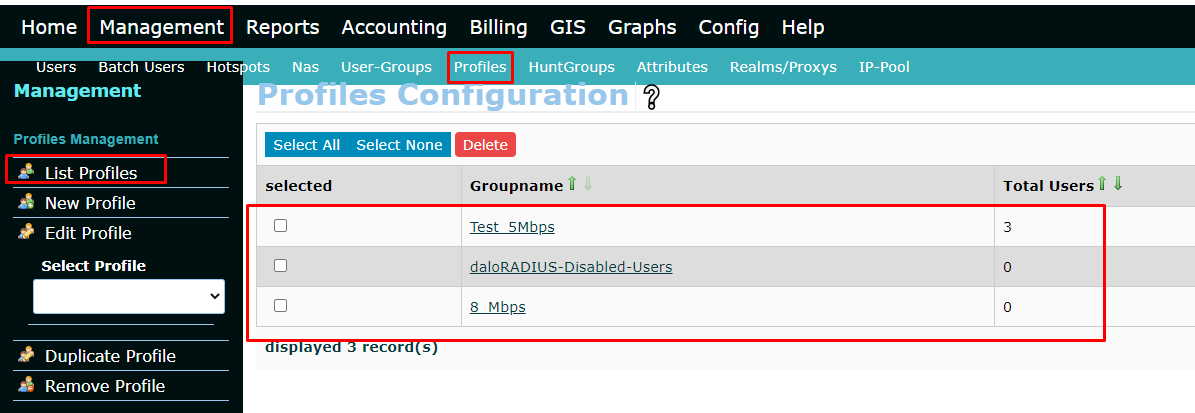


**Add Bandwidth Profile:**









[root@radius ~]# firewall-cmd --zone=public --add-port=1812/udp

success

[root@radius ~]# firewall-cmd --zone=public --add-port=1813/udp

success

[root@radius ~]# firewall-cmd --zone=public --permanent --add-port=1812/udp

success

[root@radius ~]# firewall-cmd --zone=public --permanent --add-port=1813/udp

success

[root@radius ~]# firewall-cmd --zone=public --add-service=radius

[root@radius ~]# firewall-cmd --zone=public --permanent --add-service=radius

[root@radius ~]# systemctl restart radiusd

[System Logfile](http://10.200.6.205/daloradius/rep-logs-system.php?systemLineCount=50&systemFilter=)

[root@localhost ~]# cd /var/log/

[root@localhost log]# chmod 664 /var/log/messages

[root@localhost log]# cat messages

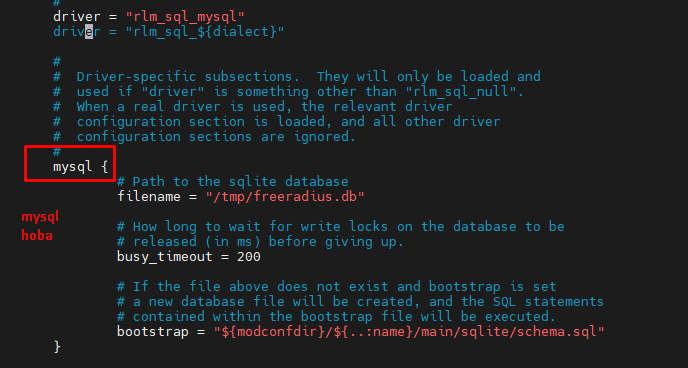
[RADIUS Server Logfile](http://10.200.6.205/daloradius/rep-logs-radius.php?radiusLineCount=50&radiusFilter=.)

[root@localhost library]# mkdir /var/log/freeradius/

[root@localhost library]# cd /var/log/freeradius/

[root@localhost freeradius]# touch radius.log

[root@localhost freeradius]# chmod 644 radius.log



**Database Command**

MariaDB [radius]> select \* from nas LIMIT 1;

MariaDB [radius]> select \* from userinfo LIMIT 1;

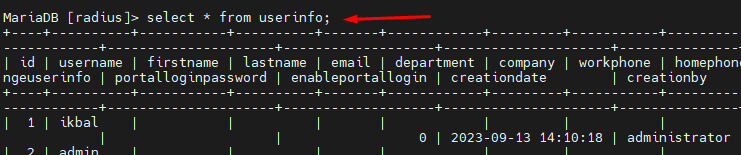
MariaDB [(none)]> CREATE DATABASE Test\_DB;

MariaDB [(none)]> show databases;

MariaDB [(none)]> use radius; // Database Name

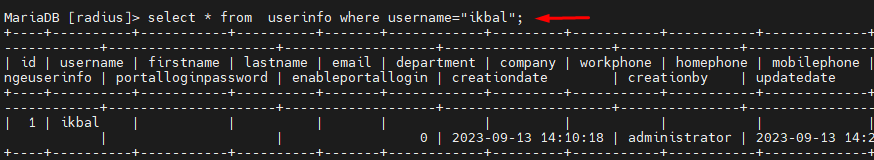
MariaDB [radius]> show tables; //Tables Name

MariaDB [radius]> select \* from userinfo;

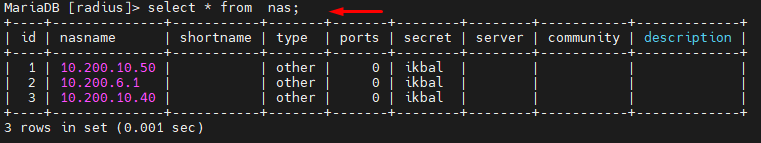


MariaDB [radius]> select \* from userinfo where username="ikbal";

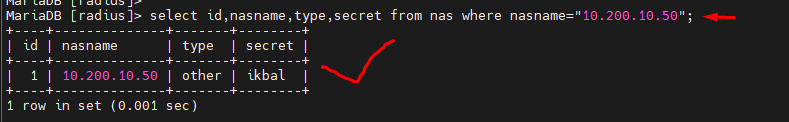
//individual User Name



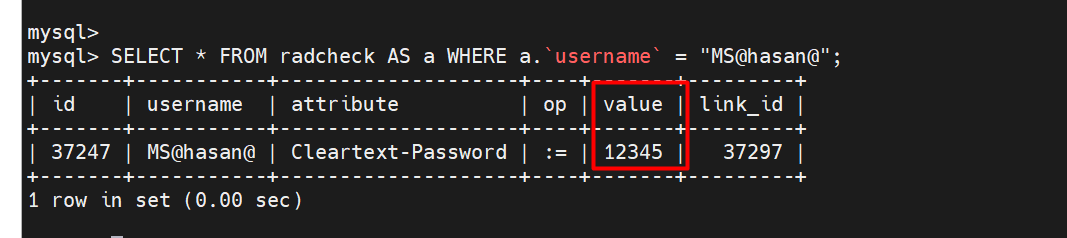
MariaDB [radius]> select \* from nas;



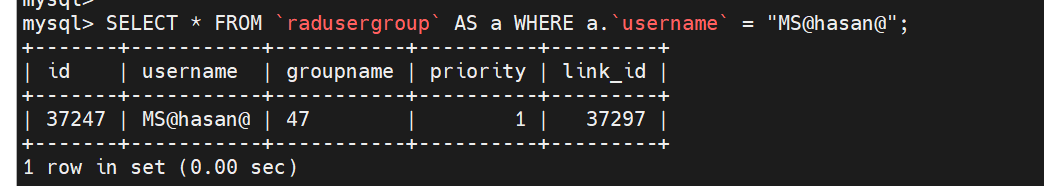
MariaDB [radius]> select id,nasname,type,secret from nas where nasname="10.200.10.50"; ///individual NAS

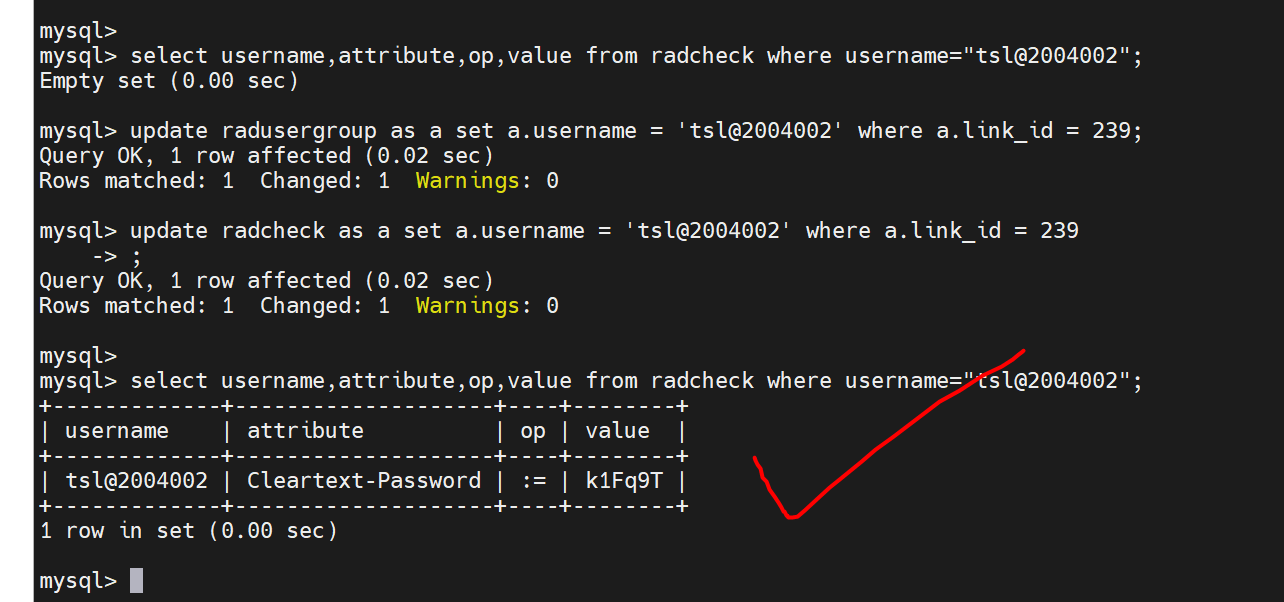


SELECT \* FROM radcheck AS a WHERE a.`username` = "MC@sumon@"



SELECT \* FROM `radusergroup` AS a WHERE a.`username` = "MS@hasan@"





**NAS IP: 10.200.200.33**

select a.\* from nas as a where a.nasname = '10.200.200.33'

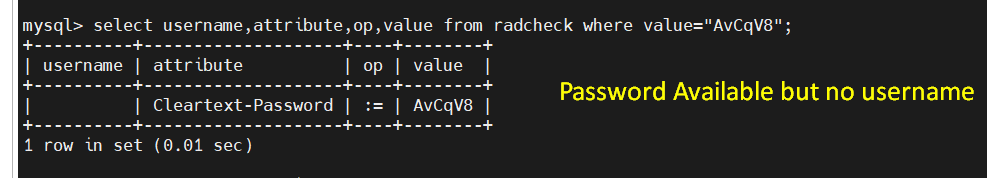


**Databases Backup Command.**

**Example command:**

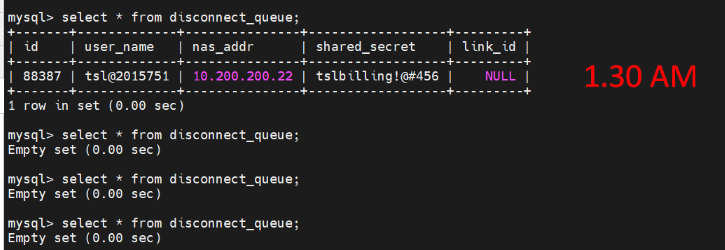
mysqldump -u username -p tablename1,tablename2 > ~/backup/database/books.sql

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



**Disconnect issue**

select \* from disconnect\_queue



///This is a query for showing smart notification it runs every second

SELECT \* FROM `notification\_list` WHERE `employee\_id` = '559' AND `read\_status` =0