FOR PHPMYADMIN WE NEED TO FOLLOW LAMP METHOD:

L = LINUX

A = APACHE

M = MariaDB

P = PHP, PHPMYADMIN

First install apache (httpd)

yum install httpd -y

[root@localhost ~]# sudo yum install httpd Updating Subscription Management repositories. Unable to read consumer identity

This system is not registered with an entitlement server. You can use subscription-manager to register.

Last metadata expiration check: 0:01:30 ago on Wednesday 28 February 2024 08:37:55 AM. Dependencies resolved.

Package	Architecture	Version	Repository	Size
Installing:				
httpd	x86_64	2.4.57-8.el9	appstream	48 k
Installing dependencies:				
apr	x86 64	1.7.0-12.el9	appstream	123 k
apr-util	x86_64	1.6.1-23.el9	appstream	95 k
apr-util-bdb	x86_64	1.6.1-23.el9	appstream	13 k
centos-logos-httpd	noarch	90.4-1.el9	appstream	252 k
httpd-core	x86_64	2.4.57-8.el9	appstream	1.5 M
httpd-filesystem	noarch	2.4.57-8.el9	appstream	13 k
httpd-tools	x86_64	2.4.57-8.el9	appstream	83 k
Installing weak dependenci	es:			
apr-util-openssl	x86_64	1.6.1-23.el9	appstream	15 k
mod_http2	x86_64	2.0.26-1.el9	appstream	163 k
mod_lua	x86_64	2.4.57-8.el9	appstream	60 k

Start and enable apache:

systemctl enable - - now httpd

Disable firewall & SELinux

systemctl disable - - now firewalld

setenforce 0

Now, install MariaDB:

yum install MariaDB-server -y

```
[root@localhost ~]# sudo systemctl start httpd
[root@localhost ~]# systemctl disable --now firewalld.service
Removed "/etc/systemd/system/multi-user.target.wants/firewalld.service".
Removed "/etc/systemd/system/dbus-org.fedoraproject.FirewallD1.service".
[root@localhost ~]# setenforce 0
[root@localhost ~]# sudo yum install mariadb-server
Updating Subscription Management repositories.
Unable to read consumer identity
```

This system is not registered with an entitlement server. You can use subscription-manager to register.

Last metadata expiration check: 0:02:18 ago on Wednesday 28 February 2024 08:37:55 AM. Dependencies resolved.

Pac kage	Arch	Version	Repository	Size
Installing:				
mariadb-server Installing dependencies:	x86_64	3:10.11.6-1.module_el9+853+7b957b9b	appstream	10 M
mariadb	x86 64	3:10.11.6-1.module el9+853+7b957b9b	appstream	1.7 M
mariadb-common	x86_64	3:10.11.6-1.module_el9+853+7b957b9b	appstream	31 k
mariadb-connector-c	x86_64	3.2.6-1.el9	appstream	198 k
mariadb-connector-c-config	noarch	3.2.6-1.el9	appstream	11 k
mariadb-errmsg	x86_64	3:10.11.6-1.module_el9+853+7b957b9b	appstream	263 k
mysql-selinux	noarch	1.0.5-1.el9	appstream	36 k
perl-DBD-MariaDB	x86_64	1.21-16.el9	appstream	152 k
perl-File-Copy	noarch	2.34-481.el9	appstream	20 k
perl-Sys-Hostname	x86_64	1.23-481.el9	appstream	17 k

Start and enable mariadb:

systemctl enable - - now mariadb

Login to set MariaDB:

```
[root@localhost ~]# sudo systemctl start mariadb
[root@localhost ~]# sudo systemctl enable mariadb.service
Created symlink /etc/systemd/system/mysql.service → /usr/lib/systemd/system/mariadb.service.
Created symlink /etc/systemd/system/mysqld.service → /usr/lib/systemd/system/mariadb.service.
Created symlink /etc/systemd/system/multi-user.target.wants/mariadb.service → /usr/lib/systemd/system/mariadb.service
b.service.
[root@localhost ~]# sudo mysql_secure_installation
NOTE: RUNNING ALL PARTS OF THIS SCRIPT IS RECOMMENDED FOR ALL MariaDB
       SERVERS IN PRODUCTION USE! PLEASE READ EACH STEP CAREFULLY!
In order to log into MariaDB to secure it, we'll need the current password for the root user. If you've just installed MariaDB, and haven't set the root password yet, you should just press enter here.
Enter current password for root (enter for none):
OK, successfully used password, moving on...
Setting the root password or using the unix socket ensures that nobody can log into the MariaDB root user without the proper authorisation.
You already have your root account protected, so you can safely answer 'n'.
Switch to unix_socket authentication [Y/n]
Enabled successfully!
Reloading privilege tables..
 ... Success!
 You already have your root account protected, so you can safely answer 'n'.
 Change the root password? [Y/n] n
  ... skipping.
 By default, a MariaDB installation has an anonymous user, allowing anyone
 to log into MariaDB without having to have a user account created for
 them. This is intended only for testing, and to make the installation
 go a bit smoother. You should remove them before moving into a
 production environment.
 Remove anonymous users? [Y/n] y
 Normally, root should only be allowed to connect from 'localhost'. This
 ensures that someone cannot guess at the root password from the network.
 Disallow root login remotely? [Y/n] y
  ... Success!
 By default, MariaDB comes with a database named 'test' that anyone can
 access. This is also intended only for testing, and should be removed
 before moving into a production environment.
 Remove test database and access to it? [Y/n]
  - Dropping test database...
```

Login to mysql to create database and user account:

sudo mysql

```
Reloading the privilege tables will ensure that all changes made so far will take effect immediately.

Reload privilege tables now? [Y/n]
... Success!

Cleaning up...

All done! If you've completed all of the above steps, your MariaDB installation should now be secure.

Thanks for using MariaDB!
[root@localhost ~]# sudo mysql
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 11
Server version: 10.11.6-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 example_database;
Query OK, 1 row affected (0.001 sec)

MariaDB [(none)]> GRANT ALL ON example_database.* TO 'root'@'localhost' IDENTIFIED BY 'admin@123' WITH GRANT OPTION;
```

```
MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.000 sec)

MariaDB [(none)]> exit

Bye
[root@localhost ~]# mysql -u root -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 12
Server version: 10.11.6-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)]> exit
```

Install epel-release:

```
[root@localhost ~]# yum install epel-release -y
Updating Subscription Management repositories.
 Unable to read consumer identity
This system is not registered with an entitlement server. You can use subscription-manager to register.
Last metadata expiration check: 0:06:06 ago on Wednesday 28 February 2024 08:37:55 AM.
Dependencies resolved.
                                  Architecture
Package
                                                       Version
                                                                                  Repository
                                                                                                                 Size
Installing:
                                   noarch
                                                         9-7.el9
                                                                                                                 19 k
                                                                                  extras-common
Installing weak dependencies:
                                   noarch
                                                         9-7.el9
                                                                                  extras-common
                                                                                                                8.1 k
Transaction Summary
Install 2 Packages
```

Install php:

yum install php -y

```
[root@localhost ~]# sudo yum install php
Updating Subscription Management repositories.

Unable to read consumer identity
This system is not registered with an entitlement server. You can use subscription-manager to register.
Last metadata expiration check: 0:03:01 ago on Wednesday 28 February 2024 08:56:24 AM.
Dependencies resolved.
                                    Architecture
Package
                                                            Version
                                                                                             Repository
                                                                                                                         Size
Installing:
                                    x86_64
                                                            8.0.30-1.el9
                                                                                                                         4.7 k
                                                                                             appstream
Installing dependencies:
                                    noarch
                                                            1:1.22.1-2.el9
                                                                                             appstream
                                                                                                                          12 k
                                    x86_64
                                                            8.0.30-1.el9
                                                                                             appstream
                                                                                                                        681 k
Installing weak dependencies:
 php-cli
                                    x86_64
                                                            8.0.30-1.el9
                                                                                             appstream
                                                                                                                         3.1 M
                                    x86_64
x86_64
x86_64
x86_64
                                                            8.0.30-1.el9
8.0.30-1.el9
8.0.30-1.el9
8.0.30-1.el9
8.0.30-1.el9
 php-fpm
                                                                                             appstream
                                                                                                                         1.6 M
 php-mbstring
                                                                                             appstream
                                                                                                                         469 k
                                                                                                                         510 k
 php-opcache
                                                                                             appstream
                                                                                                                        82 k
133 k
 php-pdo
                                                                                             appstream
 php-xml
                                    x86_64
                                                                                             appstream
Transaction Summary
```

Login to mysql:

mysql -u root -p

Now, install phpMyAdmin:

yum install phpMyAdmin -y

```
[root@localhost ~]# sudo yum install phpmyadmin
Updating Subscription Management repositories.
Unable to read consumer identity
This system is not registered with an entitlement server. You can use subscription-manager to register.
Last metadata expiration check: 0:07:48 ago on Wednesday 28 February 2024 08:56:24 AM.
Dependencies resolved.
Installing:
phpMyAdmin
Installing dependencies:
                                                          5.2.1-1.el9
                                 noarch
                                                                                                                          8.0 M
                                 x86_64
x86_64
                                                                                                                           62 k
 libzip
                                                          1.7.3-8.el9
                                                                                             appstream
                                                                                             appstream
                                                                                                                           40 k
php-gd
                                                          8.0.30-1.el9
                                 x86_64
x86_64
                                                         8.0.30-1.el9
 php-intl
                                                                                                                           149 k
                                                                                             appstream
                                                                                                                           150 k
                                                          8.0.30-1.el9
                                                                                             appstream
                                 x86_64
x86_64
                                                          1.19.2-6.el9
8.0.30-1.el9
                                                                                                                           58 k
 php-pecl-zip
                                                                                             appstream
 php-process
                                                                                             appstream
Transaction Summary
Install 7 Packages
```

Go and edit config file:

vi /etc/httpd/conf.d/phpMyAdmin.conf

Add these line:

```
<Directory "/usr/share/phpMyAdmin">
        AllowOverride None
        Options None
        Allow from All
        Require all granted
</Directory>

Alias /phpmyadmin /usr/share/phpMyAdmin
```

```
[root@localhost ~]# systemctl restart mariadb
[root@localhost ~]# service httpd restart
```







