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STEPS:

- Update APT Repository:

sudo apt update

- Check Installed PHP packages:

php -m

- Check PHP, mysql, Nginx Versions:

php -v

mysql --version

nginx -v

- Install phpmyadmin and required Packages:

sudo apt install phpmyadmin php-mbstring php-zip php-gd php-json php-curl

- Create a symbolic link from the installation files to Nginx’s document root directory:

sudo ln -s /usr/share/phpmyadmin /var/www/codesagar.com/phpmyadmin

NGINX Configurations:

location /phpmyadmin {

root /var/www/codesagar.com;

index index.php index.html index.htm;

location ~ ^/phpmyadmin/(.+\.php)$ {

try\_files $uri =404;

root /var/www/codesagar.com;

fastcgi\_pass unix:/run/php/php8.1-fpm.sock; fastcgi\_index index.php;

fastcgi\_param SCRIPT\_FILENAME $document\_root$fastcgi\_script\_name;

include /etc/nginx/fastcgi\_params;

}

location ~\* ^/phpmyadmin/(.+\.(jpg|jpeg|gif|css|png|js|ico|html|xml|txt))$ {

root /var/www/codesagar.com;

}

}

- Check Permissions:

sudo chown -R www-data:www-data /var/www/your\_domain/phpmyadmin

sudo chmod -R 755 /var/www/your\_domain/phpmyadmin

- Restart the nginx and PHP-FPM services:

sudo systemctl restart nginx

sudo systemctl restart php78.1-fpm

Secure PhpMyAdmin

Disabling Root Login

Create a new custom settings file inside the /etc/phpmyadmin/conf.d directory and name it pma\_secure.php:

File : pma\_secure.php: Add php tag at start and end of file.

FILE START:

**PhpMyAdmin Settings**

**This should be set to a random string of at least 32 chars**

$cfg['blowfish\_secret'] = 'CHANGE\_THIS\_TO\_A\_STRING\_OF\_32\_RANDOM\_CHARACTERS';

$i=0;

$i++;

$cfg['Servers'][$i]['AllowRoot'] = false;

?

FILE END

To generate a truly random string of characters, you can install and use the pwgen program with APT:

sudo apt install pwgen

pwgen -s 32 1

Creating an Authentication Gateway

- To create an encrypted password, type:

openssl passwd

Now, create an authentication file.

Location: sudo nano /etc/nginx/pma\_pass

File Content:

username:encryptedPassword

Add the following highlighted lines within the location block for phpMyAdmin:

auth\_basic "Admin Login";

auth\_basic\_user\_file /etc/nginx/pma\_pass; ==============================================================