preinstall

|  |
| --- |
| sudo apt-get update -y |
| sudo apt-get install apache2 php7.0 libaprutil1-dbd-mysql –y |
| Sudo apt-get install software-properties-common –y |
| Sudo apt-key adv --recv-keys --keyserver hkp://keyserver.ubuntu.com:80 0xF1656F24C74CD1D8 –y |
| add-apt-repository 'deb [arch=amd64,i386,ppc64el] http://www.ftp.saix.net/DB/mariadb/repo/10.1/ubuntu xenial main' -y |
| sudo apt-get update –y |
| sudo apt-get install mariadb-server mariadb-client –y |
| sudo apt-get install apache2 php7.0 libaprutil1-dbd-mysql –y |
| sudo systemctl start apache2 |
| sudo systemctl start mysql |
| sudo systemctl enable apache2 |
| sudo systemctl enable mysql |

configure database

|  |
| --- |
| sudo mysql -u root |
| (ENTER PASSWORD) |

Do this config in MariaDB Console:

(Like This: MariaDB [(none)]> )

|  |
| --- |
| create database defaultsite\_db; |
| GRANT SELECT, INSERT, UPDATE, DELETE ON defaultsite\_db.\* TO 'defaultsite\_admin'@'localhost' IDENTIFIED BY 'password'; |
| GRANT SELECT, INSERT, UPDATE, DELETE ON defaultsite\_db.\* TO 'defaultsite\_admin'@'localhost.localdomain' IDENTIFIED BY 'password'; |
| flush privileges; |
| use defaultsite\_db; |
| create table mysql\_auth ( username varchar(191) not null, passwd varchar(191), groups varchar(191), primary key (username) ); |

DO this in other Linux Terminal:

|  |  |
| --- | --- |
| htpasswd -bns siteuser siteuser | first siteuser is username  second siteuser is password |
| Output is | siteuser:{SHA}tk7HEH6Wo7SKT6+3FHCgiGnJ6dA=) |

Do this in MariaDB Console:

Now insert site user to mysql\_auth: (THIS PART IS ADDING USER TO DATABASE)

|  |
| --- |
| INSERT INTO `mysql\_auth` (`username`, `passwd`, `groups`) VALUES('siteuser','{SHA}tk7HEH6Wo7SKT6+3FHCgiGnJ6dA=', 'sitegroup'); |
| exit; |

Now Config Apache:

|  |
| --- |
| sudo a2enmod dbd |
| sudo a2enmod authn\_dbd |
| sudo a2enmod socache\_shmcb |
| sudo a2enmod authn\_socache |
| sudo mkdir /var/www/html/protecteddir |
| sudo chown -R www-data:www-data /var/www/html/protecteddir |
| Sudo nano /etc/apache2/sites-available/000-default.conf |
| Attach next row to end of 000-default.conf and save |
| DBDriver mysql  DBDParams "dbname=defaultsite\_db user=defaultsite\_admin pass=password"    DBDMin 4  DBDKeep 8  DBDMax 20  DBDExptime 300    <Directory "/var/www/html/protecteddir">  # mod\_authn\_core and mod\_auth\_basic configuration  # for mod\_authn\_dbd  AuthType Basic  AuthName "My Server"    # To cache credentials, put socache ahead of dbd here  AuthBasicProvider socache dbd    # Also required for caching: tell the cache to cache dbd lookups!  AuthnCacheProvideFor dbd  AuthnCacheContext my-server    # mod\_authz\_core configuration  Require valid-user    # mod\_authn\_dbd SQL query to authenticate a user  AuthDBDUserPWQuery "SELECT passwd FROM mysql\_auth WHERE username = %s"  </Directory> |
| systemctl restart apache2 |

Now test url:

http://localhost/protecteddir