Magento

Open Source E-Commerce Platform

Report

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What is MAGENTO?

Magento is an ecommerce platform built on open source technology which provides online merchants with a flexible shopping cart system, as well as control over the look, content and functionality of their online store. Magento offers powerful marketing, search engine optimization, and catalog-management tools.

Magento is a powerful and highly flexible open-source e-Commerce platform (or content management system (CMS)) written in PHP. It ships in two main editions: Enterprise and Community edition. The Community Edition is intended for developers and small businesses.

It is fully customizable to meet users requirements enabling them to setup and manage a fully operational e-Commerce store in minutes. Magento runs on such web servers as Apache, Nginx and IIS, a backend databases: MySQL or MariaDB, Percona.

Requirements for installation and configuration:

- Apache version 2.2 or 2.4
- PHP version 5.6 or 7.0.x or later with required extensions
- MySQL version 5.6 or later

Now we will start the installation of magento and its required softwares

Step 1: Installing Apache Web Server

1. Installing Apache web server is so simple, from the official repositories: # yum install httpd

http://mirrors.viethosting.com Trying other mirror. updates/7/x86_64/primary_db Resolving Dependencies> Running transaction check> Package httpd.x86_64 0:2> Processing Dependency: htt> Processing Dependency: /et	langpacks _db b dc.com.vn g.com FAILED /centos/7.4.1708/updates/> 4.6-67.el7.centos.6 will b pd-tools = 2.4.6-67.el7.ce c/mime.types for package:	x86_64/repodata/4d9aa91b709f8 be installed entos.6 for package: httpd-2. httpd-2.4.6-67.el7.centos.6.	156 5.7 5.7 5.7 5.7 23 kB/s 4.8 33de78461b6a84cbab9bc7080249d562a03ed 4.9 4.9 4.6-67.e17.centos.6.x86_64 x86_64	5 kB 00:00:02 5 kB 00:00:06 7 MB 00:01:18 8 MB 00:00:11 ETA 565447c625f5e-primary.sqlite.bz2 5 MB 00:00:03	: [Errno 14] c
> Processing Dependency: lib> Processing Dependency: lib> Running transaction check> Package apr.x86_64 0:1.4> Package apr-util.x86_64 0> Package httpd-tools.x86_6> Package mailcap.noarch 0:> Finished Dependency Resolu Dependencies Resolved	apr-1.so.0()(64bit) for pa 8-3.el7_4.1 will be instal :1.5.2-6.el7 will be insta 4 0:2.4.6-67.el7.centos.6 2.1.41-2.el7 will be insta	ackage: httpd-2.4.6-67.el7.ce lled alled will be installed alled	<u></u>		
Package	Arch	Version	Repository	Size	
Installing: httpd Installing for dependencies:	x86_64	2.4.6-67.e17.centos.6	updates	2.7 M	

Package	Arch	Version	Repository	Size
========================== Installing:				
httpd	x86_64	2.4.6-67.el7.centos.6	updates	2.7 M
Installing for dependencies				
apr	x86_64	1.4.8-3.el7_4.1	updates	103 k
apr-util	x86_64	1.5.2-6.el7	base	92 k
httpd-tools	x86_64	2.4.6-67.el7.centos.6	updates	88 k
mailcap	noarch	2.1.41-2.el7	base	31 k
Transaction Summary				
Install 1 Package (+4 Depe				
Total download size: 3.0 M				
Installed size: 10 M				
Is this ok [y/d/N]: y				
Downloading packages:				
		r-1.4.8-3.el7_4.1.x86_64.rpm: Header V3 RS	5A/SHA256 Signature, key ID f4a80eb5:	NOKEYETA
Public key for apr-1.4.8-3.		installed	1 403 10 00	
(1/5): apr-1.4.8-3.e17_4.1.			103 kB 00:	
(2/5): httpd-tools-2.4.6-67	_		88 kB 00:	
Public key for apr-util-1.5		t installed-] 60 kB/s 251 kB 00:	
(3/5): apr-util-1.5.2-6.el7	_ :		92 kB 00:	
(4/5): mailcap-2.1.41-2.el7	•		31 kB 00:	
(5/5): httpd-2.4.6-67.el7.c			2.7 MB 00:	01:42
Total			30 kB/s 3.0 MB 00:	01:43
Retrieving key from file://	/etc/pki/rpm-gpg/RPM-GPG-	KEY-CentOS-7	•	
Importing GPG key 0xF4A80EB				
Userid : "CentOS-7 Key	(CentOS 7 Official Signi	ng Key) <security@centos.org>"</security@centos.org>		
Fingerprint: 6341 ab27 53d	-			
Package : centos-releas				
	gpg/RPM-GPG-KEY-CentOS-7	_ 16 /		
Is this ok [y/N]: y	5, 5,			
Is this ok [y/N]: y				
Running transaction check				
Running transaction test				
Transaction test succeeded	ı			
Running transaction	0 -17 / 1 206 6/			
Installing : apr-1.4.8-3 Installing : apr-util-1				
	s-2.4.6-67.e17.centos.6.>	86 64		
Installing : mailcap-2.1		00_04		
Installing : httpd-2.4.6				
Verifying : mailcap-2.1	_			
	6-67.e17.centos.6.x86_64			
Verifying : apr-util-1				
Verifying : apr-1.4.8-				
Verifying : httpd-tools	s-2.4.6-67.e17.centos.6.>	86_64		
Installed: httpd.x86 64 0:2.4.6-67.	el7.centos.6			
Installed: httpd.x86_64 0:2.4.6-67	el7.centos.6			
httpd.x86_64 0:2.4.6-67. Dependency Installed:		1.5.2-6.el7 httpd-tools.x86_64 0:2.4.6-	(7.17	1 44 2 3

Complete!

2. Then, in order to allow access to Apache services from HTTP and HTTPS, we have to open port 80 and 443 where the HTTPD daemon is listening as follows:

Commands:

```
# firewall-cmd --permanent --zone=public --add-service=http
# firewall-cmd --permanent --zone=public --add-service=https
# firewall-cmd --reload
[root@osboxes osboxes]# firewall-cmd --permanent --zone=public --add-service=http success
[root@osboxes osboxes]# firewall-cmd --permanent --zone=public --add-service=https success
[root@osboxes osboxes]# firewall-cmd --reload success
```

Step 2: Install PHP Support for Apache

As Magento requires PHP 5.6 or 7.0 and default CentOS repository includes PHP 5.4, which is not compatible with latest Magento 2 version.

3. To install PHP 7, you need to add the EPEL and IUS (Inline with Upstream Stable) repository in order to install PHP 7 using yum:

Install PHP 7

yum install -y http://dl.iuscommunity.org/pub/ius/stable/CentOS/7/x86 64/ius-release-1.0-14.ius.centos7.noarch.rpm

Dependencies Resolved

--> Finished Dependency Resolution

---> Package epel-release.noarch 0:7-9 will be installed

Package	Arch	Version	Repository	Size
Installing:				
ius-release	noarch	1.0-15.ius.centos7	/ius-release-1.0-14.ius.centos7.noar	ch 8.5 k
Installing for depe epel-release	noarch	7-9	extras	14 k
Transaction Summary	,			
Install 1 Package	(+1 Dependent package)			
Total size: 23 k				
Total download size	: 14 k			
lotal size: 23 k				
Total download size:				
Installed size: 33 P Downloading packages				
epel-release-7-9.no			14	kB 00:00:09
Running transaction	•		1	
Running transaction				
Transaction test suc	cceeded			
Running transaction				
	-release-7-9.noarch			1/2
_	release-1.0-15.ius.cent			2/2
, ,	release-1.0-15.ius.cent	os7.noarch		1/2
Veritying : epel-	-release-7-9.noarch			2/2
Installed:				
ius-release.noarch	n 0:1.0-15.ius.centos7			
Dependency Installed				
epel-release.noard	ch 0:7-9			

yum -y update

Complete!

yum -y install php70u php70u-pdo php70u-mysqlnd php70u-opcache php70u-xml php70umcrypt php70u-gd php70u-devel php70u-mysql php70u-intl php70u-mbstring php70u-bcmath php70u-json php70u-iconv

```
[root@osboxes /]# yum -y install php70u php70u-pdo php70u-mysqlnd php70u-opcache php70u-xml php70u-mcrypt php70u-gd php70u-devel php70u-mysql php70u-intl php70u-mbstrim
Loaded plugins: fastestmirror, langpacks
                                                                                                                     1 3.6 kB 00:00:00
epel/x86 64/metalink
                                                                                                                     7.1 kB 00:00:00
                                                                                                                     3.4 kB 00:00:00
extras
ius
                                                                                                                     2.3 kB 00:00:00
updates
                                                                                                                     3.4 kB 00:00:00
Loading mirror speeds from cached hostfile
 * base: centos.myfahim.com
* epel: mirror.nes.co.id
* extras: centos-hcm.viettelidc.com.vn
* ius: mirror.team-cymru.org
* updates: mirrors.viethosting.com
No package php70u-mvsql available.
Resolving Dependencies
--> Running transaction check
---> Package mod_php70u.x86_64 0:7.0.26-1.ius.centos7 will be installed
--> Processing Dependency: libcrypto.so.10(OPENSSL_1.0.2)(64bit) for package: mod_php70u-7.0.26-1.ius.centos7.x86_64
---> Package php70u-bcmath.x86_64 0:7.0.26-1.ius.centos7 will be installed
---> Package php70u-common.x86_64 0:7.0.26-1.ius.centos7 will be installed
---> Package php70u-devel.x86 64 0:7.0.26-1.ius.centos7 will be installed
--> Processing Dependency: php-cli(x86-64) = 7.0.26-1.ius.centos7 for package: php70u-devel-7.0.26-1.ius.centos7.x86_64
--> Processing Dependency: autoconf for package: php70u-devel-7.0.26-1.ius.centos7.x86_64
--> Processing Dependency: automake for package: php70u-devel-7.0.26-1.ius.centos7.x86_64
---> Package php70u-gd.x86 64 0:7.0.26-1.ius.centos7 will be installed
---> Package php70u-intl.x86_64 0:7.0.26-1.ius.centos7 will be installed
---> Package php70u-json.x86_64 0:7.0.26-1.ius.centos7 will be installed
---> Package php70u-mbstring.x86_64 0:7.0.26-1.ius.centos7 will be installed
---> Package php70u-mcrypt.x86_64 0:7.0.26-1.ius.centos7 will be installed
--> Processing Dependency: libmcrypt.so.4()(64bit) for package: php70u-mcrypt-7.0.26-1.ius.centos7.x86 64
---> Package php70u-mysqlnd.x86 64 0:7.0.26-1.ius.centos7 will be installed
---> Package php70u-opcache.x86 64 0:7.0.26-1.ius.centos7 will be installed
---> Package php70u-pdo.x86_64 0:7.0.26-1.ius.centos7 will be installed
---> Package php70u-xml.x86_64 0:7.0.26-1.ius.centos7 will be installed
--> 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
--> 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
```

```
--> Processing Dependency: perl(Data::Dumper) 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 libmcrypt.x86_64 0:2.5.8-13.el7 will be installed
---> Package openssl-libs.x86 64 1:1.0.1e-60.el7 will be updated
--> Processing Dependency: openssl-libs(x86-64) = 1:1.0.1e-60.el7 for package: 1:openssl-1.0.1e-60.el7.x86 64
---> Package openss1-libs.x86_64 1:1.0.2k-8.el7 will be an update
---> Package php70u-cli.x86_64 0:7.0.26-1.ius.centos7 will be installed
--> Running transaction check
---> Package m4.x86_64 0:1.4.16-10.el7 will be installed
---> Package openssl.x86_64 1:1.0.1e-60.el7 will be updated
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---> Package openssl.x86 64 1:1.0.2k-8.el7 will be an update ---> Package perl-Data-Dumper.x86_64 0:2.145-3.el7 will be installed ---> Package perl-Test-Harness.noarch 0:3.28-3.e17 will be installed

---> Package perl-Thread-Queue.noarch 0:3.02-2.el7 will be installed

--> Finished Dependency Resolution

Dependencies Resolved

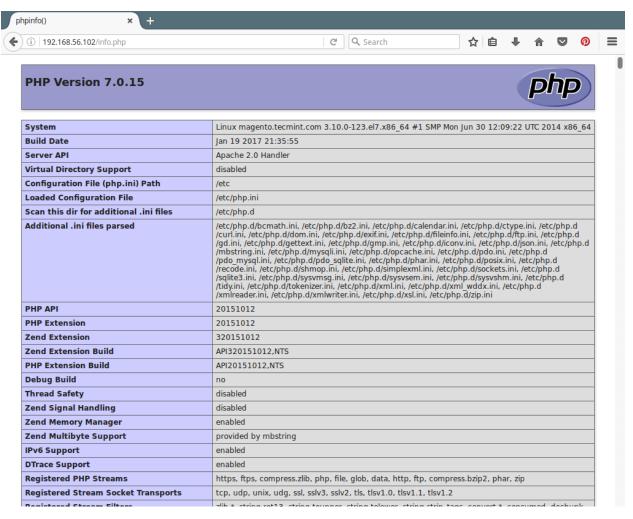
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automake perl-Dat	ta-Dumper.x86_64 0:2.145-3.e17	libmcrypt.x86_64 0:2.5.8 perl-Test-Harness.noarch	
	openssl-libs.x86_64	1:1.0.2k-8.e17	
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4. Next, open and modify the following settings in your /etc/php.ini file:

```
//Input text in php.ini file
max_input_time = 30
memory_limit= 512M
error_reporting = E_COMPILE_ERROR|E_RECOVERABLE_ERROR|E_ERROR|E_CORE_ERROR
error_log = /var/log/php/error.log
date.timezone = Asia/Karachi
5. Next, to retrieve a complete info concerning the PHP installation and all its current configurations
from a web browser, let's create ainfo.php file in the Apache DocumentRoot (/var/www/html)
using the following command.
# echo "<?phpphpinfo(); ?>" > /var/www/html/info.php
6. Once all the required configuration completes, its time to start the Apache service and enable it to
start automatically from the next system boot as well like so:
# systemctl start httpd
# systemctl enable httpd
|root@osboxes etc|# vi php.ini
[root@osboxes etc]# echo "<?php phpinfo(); ?>" > /var/www/html/info.php
[root@osboxes etc]# systemctl start httpd
[root@osboxes etc]# systemctl enable httpd
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
```

7. Next, we can verify that Apache and PHP is working fine; open a remote browser and type your server IP Address using HTTP protocol in the URL and the default Apache2 and PHP info page should appear.

http://server domain name or IP/info.php



Step 3:Install and Configure MariaDB Database

8. We must note that Red Hat Enterprise Linux/CentOS 7.0 moved from supporting MySQL to MariaDB as the default database management system.

To install MariaDB database, we need to add the following official MariaDB repository to file

Vi/etc/yum.repos.d/MariaDB.repo as shown.

//Copy the entire content to the created file

[mariadb]

name = MariaDB

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

9. Once the repo file in created, we are now able to install MariaDB as follows:

yum install mariadb-server mariadb-client

```
[root@osboxes etc]# yum install MariaDB-server MariaDB-client
Loaded plugins: fastestmirror, langpacks
                                                         3.6 kB
                                                                      00:00
Loading mirror speeds from cached hostfile
* base: centos.myfahim.com
 * epel: repo.fedoralinux.ir
 * extras: centos-hcm.viettelidc.com.vn
 * ius: ftp.astral.ro
 * updates: mirrors.viethosting.com
Resolving Dependencies
--> Running transaction check
---> Package MariaDB-client.x86 64 0:10.1.29-1.el7.centos will be installed
--> Processing Dependency: MariaDB-common for package: MariaDB-client-10.1.29-1.e17.centos.x86 64
---> Package MariaDB-server.x86 64 0:10.1.29-1.el7.centos will be installed
--> Processing Dependency: perl(DBI) for package: MariaDB-server-10.1.29-1.el7.centos.x86_64
--> Processing Dependency: galera for package: MariaDB-server-10.1.29-1.el7.centos.x86 64
--> Processing Dependency: libjemalloc.so.1()(64bit) for package: MariaDB-server-10.1.29-1.el7.centos.x86_64
--> Running transaction check
---> Package MariaDB-common.x86 64 0:10.1.29-1.el7.centos will be installed
---> Package galera.x86_64 0:25.3.22-1.rhel7.el7.centos will be installed
--> Processing Dependency: libboost_program_options.so.1.53.0()(64bit) for package: galera-25.3.22-1.rhel7.el7.centos.x86_64
---> Package jemalloc.x86 64 0:3.6.0-1.el7 will be installed
---> Package perl-DBI.x86 64 0:1.627-4.el7 will be installed
--> Processing Dependency: perl(RPC::PlServer) >= 0.2001 for package: perl-DBI-1.627-4.el7.x86_64
--> Processing Dependency: perl(RPC::PlClient) >= 0.2000 for package: perl-DBI-1.627-4.el7.x86_64
--> Running transaction check
---> Package boost-program-options.x86_64 0:1.53.0-27.e17 will be installed
---> Package perl-P1RPC.noarch 0:0.2020-14.el7 will be installed
--> Processing Dependency: perl(Net::Daemon) >= 0.13 for package: perl-P1RPC-0.2020-14.e17.noarch
--> Processing Dependency: perl(Net::Daemon::Test) for package: perl-P1RPC-0.2020-14.el7.noarch
--> Processing Dependency: perl(Net::Daemon::Log) for package: perl-PlRPC-0.2020-14.el7.noarch
--> Processing Dependency: perl(Compress::Zlib) for package: perl-P1RPC-0.2020-14.el7.noarch
--> Running transaction check
---> Package perl-IO-Compress.noarch 0:2.061-2.el7 will be installed
--> Processing Dependency: perl(Compress::Raw::Zlib) >= 2.061 for package: perl-IO-Compress-2.061-2.el7.noarch
--> Processing Dependency: perl(Compress::Raw::Bzip2) >= 2.061 for package: perl-IO-Compress-2.061-2.el7.noarch
---> Package perl-Net-Daemon.noarch 0:0.48-5.el7 will be installed
```

	Arch	Version	Reposito	ry	
				Size	
 nstalling:					
MariaDB-client	x86 64	10.1.29-1.el7.centos	mariadb	39 M	
lariaDB-server	_	10.1.29-1.el7.centos	mariadb		
MariaDB-shared	_	10.1.29-1.el7.centos	mariadb		
replacing mariadb-	_				
nstalling for dependence	_	_			
MariaDB-common	x86_64	10.1.29-1.el7.centos	mariadb	123 k	
boost-program-options	x86_64	1.53.0-27.el7	base	156 k	
galera	x86_64	25.3.22-1.rhel7.el7.centos	mariadb	8.0 M	
jemalloc	x86_64	3.6.0-1.el7	epel	105 k	
perl-Compress-Raw-Bzip2	x86_64	2.061-3.el7	base	32 k	
perl-Compress-Raw-Zlib	x86_64	1:2.061-4.el7	base	57 k	
perl-DBI	x86_64	1.627-4.el7	base	802 k	
perl-IO-Compress	noarch	2.061-2.el7	base	260 k	
perl-Net-Daemon		0.48-5.el7	base	51 k	
perl-P1RPC		0.2020-14.el7	base	36 k	
ransaction Summary					
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14/14
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 Verifying : jemalloc-3.6.0-1.el7.x86_64
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 Verifying : MariaDB-common-10.1.29-1.el7.centos.x86_64
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 Verifying : perl-IO-Compress-2.061-2.el7.noarch
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 Verifying : MariaDB-shared-10.1.29-1.el7.centos.x86_64
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 Verifying : perl-Compress-Raw-Bzip2-2.061-3.el7.x86_64
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 MariaDB-shared.x86_64 0:10.1.29-1.el7.centos
Dependency Installed:
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 boost-program-options.x86_64 0:1.53.0-27.el7
 galera.x86_64 0:25.3.22-1.rhel7.el7.centos
 jemalloc.x86_64 0:3.6.0-1.el7
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 perl-Compress-Raw-Zlib.x86_64 1:2.061-4.el7
 perl-DBI.x86_64 0:1.627-4.el7
 perl-IO-Compress.noarch 0:2.061-2.el7
 perl-Net-Daemon.noarch 0:0.48-5.el7
 perl-P1RPC.noarch 0:0.2020-14.el7
 mariadb-libs.x86_64 1:5.5.52-1.el7
Complete!
```

10. After the installation of MariaDB packages completes, start the database daemon for the mean time and enable it to start automatically at the next boot.

systemctl start mariadb

systemctl enable mariadb

11. Then run the mysql_secure_installation script to secure the database (set root password, disable remote root login, remove test database and remove anonymous users) as follows:

mysql secure installation

OK, successfully used password, moving on...

Setting the root password ensures that nobody can log into the MariaDB root user without the proper authorisation.

Set root password? [Y/n] y
New password:
Re-enter new password:
Password updated successfully!
Reloading privilege tables..
... Success!

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 ... Success!

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] n ... skipping.

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] y
- Dropping test database...
... Success!
- Removing privileges on test database...

- Kemoving privileges on test database...

... Success!

Remove test database and access to it? [Y/n] y

- Dropping test database...
- ... Success!
- Removing privileges on test database...

... Success!

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

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

Next create a magento database and user as shown.

```
# mysql -u root -p
## Creating New User for Magento Database ##
mysql> CREATE USER magento@localhost IDENTIFIED BY "your_password_here";
## Create New Database ##
mysql> create database magento;
## Grant Privileges to Database ##
mysql> GRANT ALL ON magento.* TO magento@localhost;
## FLUSH privileges ##
mysql> FLUSH PRIVILEGES;
## Exit ##
mysql> exit
```

```
[root@osboxes etc]# mysql -u root -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 12
Server version: 10.1.29-MariaDB MariaDB Server
Copyright (c) 2000, 2017, Oracle, MariaDB Corporation Ab and others.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
MariaDB [(none)]> CREATE USER Umer@localhost IDENTIFIED BY "umer247"
Query OK, 0 rows affected (0.00 sec)
MariaDB [(none)]> create database magento;
Query OK, 1 row affected (0.00 sec)
MariaDB [(none)]> GRANT ALL ON magento.* TO Umer@localhost;
Query OK, 0 rows affected (0.00 sec)
MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.00 sec)
MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.00 sec)
MariaDB [(none)]> exit
Bye
[root@osboxes etc]# mysql -u root -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 13
Server version: 10.1.29-MariaDB MariaDB Server
Copyright (c) 2000, 2017, Oracle, MariaDB Corporation Ab and others.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
MariaDB [(none)]> databases
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'databases'
MariaDB [(none)]> show databases
  -> ;
Database
+-----
| information_schema |
 magento
 mysql
performance_schema
4 rows in set (0.00 sec)
MariaDB [(none)]> exit
```

Step 4:Install Magento Community Edition

12. Now, go the Magento official website, and create a user account in case you a new customer.(or simply login if you already have an account) and download the latest version of Magento Community Edition.

http://www.magentocommerce.com/download

13. After you download Magento tar file, extract the contents into the Apache Document Root (/var/www/html) as follows:

tar -zxvf Magento-CE-2.1.5-2017-02-20-05-36-16.tar.gz -C /var/www/html/

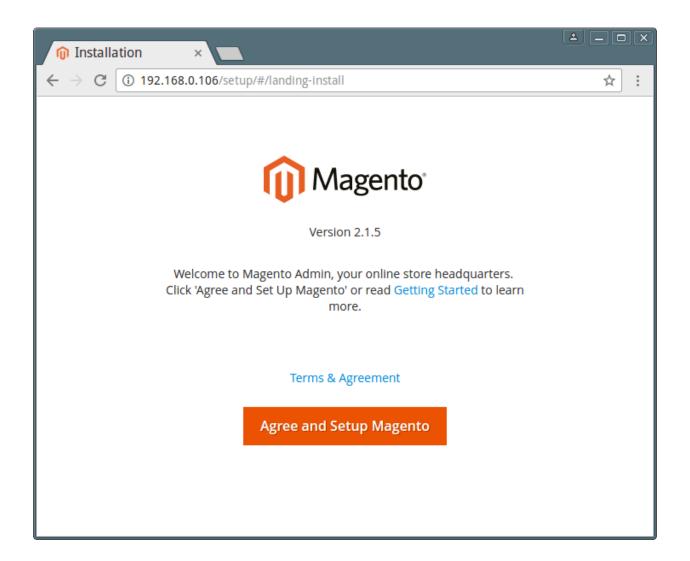
14. Now you need to set Apache ownership to the files and folders.

chown -R apache:apache /var/www/html/

15. Now open your browser and navigate to the following url, you will be presented with the Magento installation wizard.

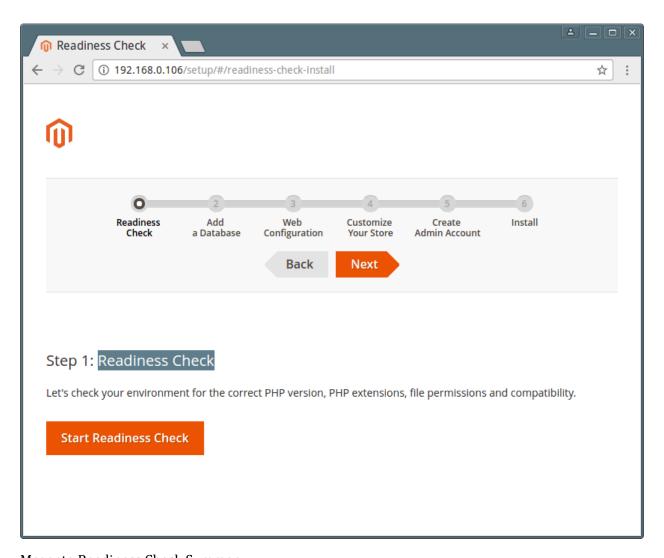
http://server_domain_name_or_IP/

Magento Installation Wizard

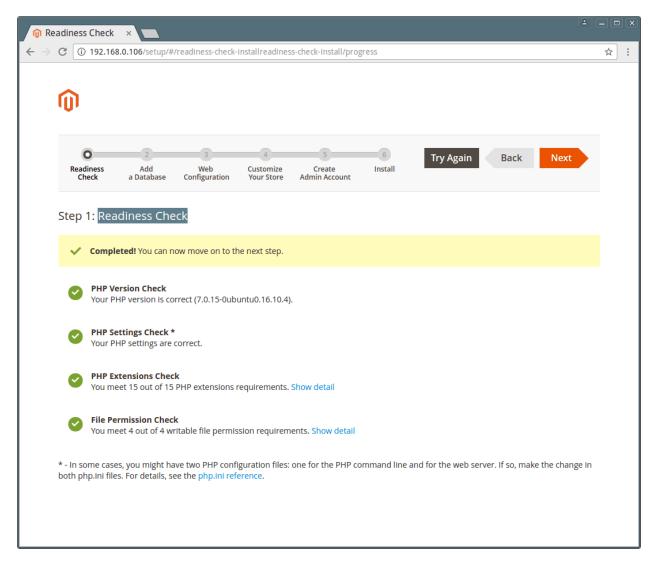


16. Next, the wizard will carry a Readiness Check for the correct PHP version, file permissions and compatibility.

Magento Readiness Check

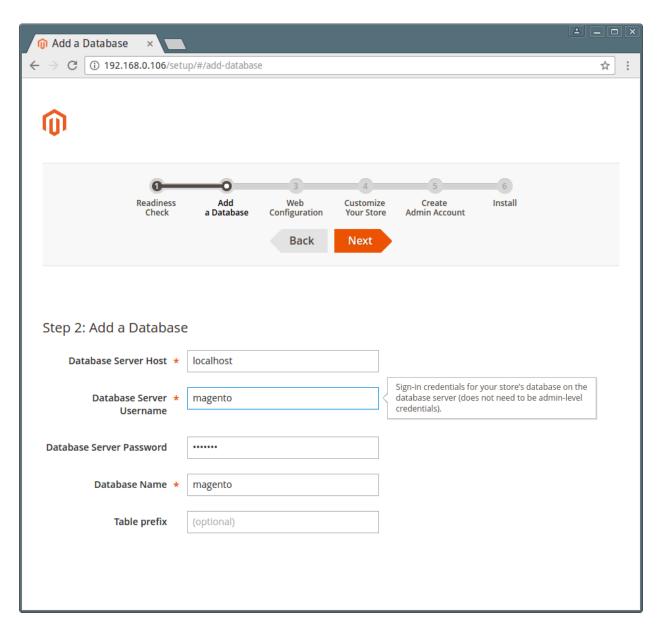


Magento Readiness Check Summary



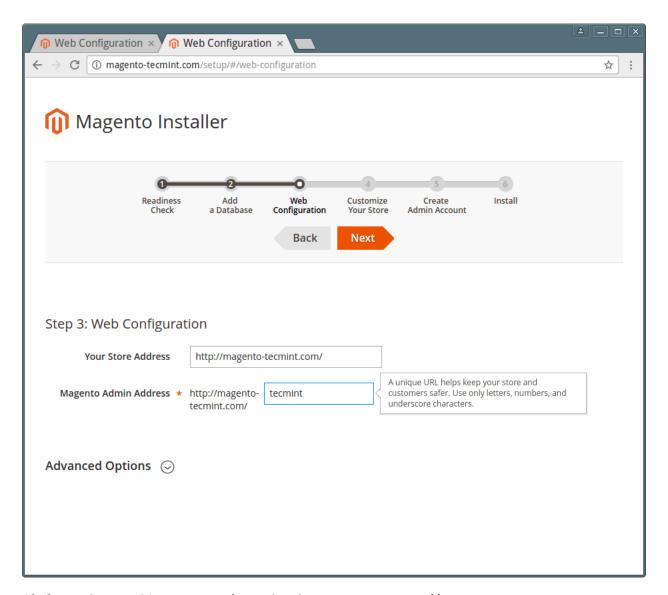
17. Enter magento database settings.

Magento Database Settings



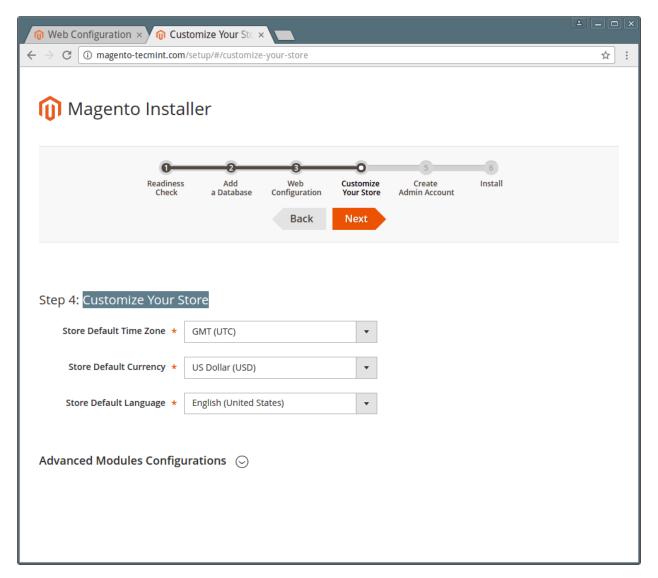
18. Magento Web site configuration.

Magento Web Configuration



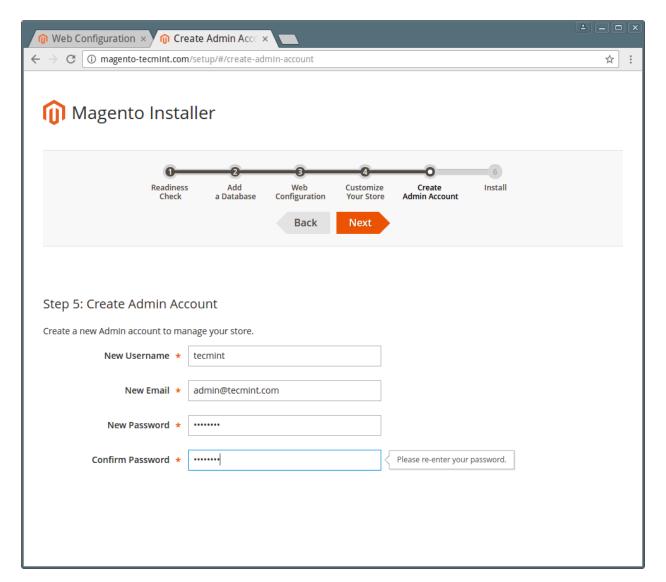
19. Customize your Magento store by setting timezone, currency and language.

Customize Magento Store



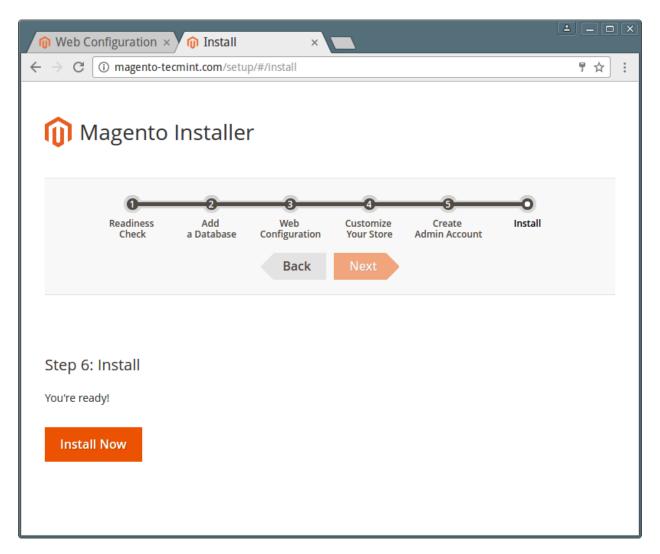
20. Create a new Admin account to manage your Magento store.

Create Magento Admin Account

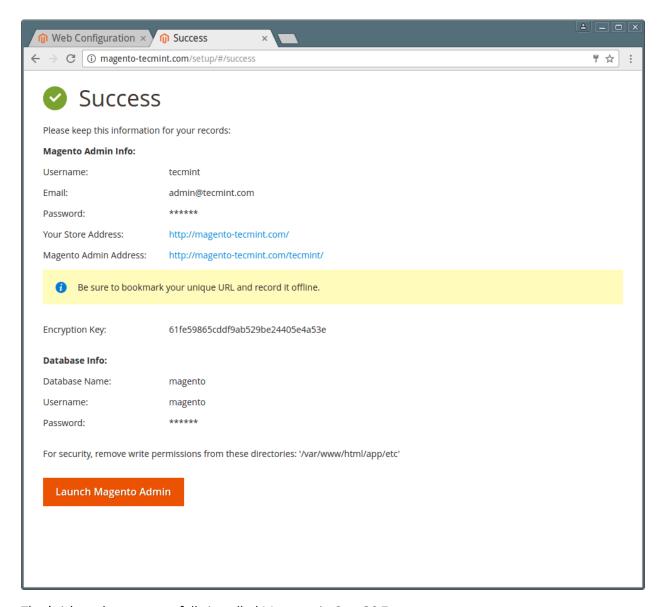


21. Now click 'Install Now' to continue Magento installation.

Install Magento



Magento Installation Completes



That's it! you have successfully installed Magento in CentOS 7.

Features

#1. Magento is Open Source

Magento Community Edition is free. You can install, alter or use this edition of Magento in any manner you like. If you have a Magento specialist by your side, it's possible to supercharge the Magento code and power up the ecommerce website with new features and desired functionality by installing Magento extensions. These extensions are made available through Magento Connect marketplace.

#2. Community Support

Since it's an open source solution, there's a large community of developers around the world working on it on a day to day basis, ensuring the ecommerce platform is up to date, secure & fast. Help is readily available.

#3. Built for E-Commerce

WordPress, although considered a full-blown CMS today, isn't built specifically for e-commerce like Magento. That's precisely why Magento scores over 'Wordpress + WooCommerce' and 'Drupal + Drupal Commerce' combos. This ecommerce solution comes preloaded with scores of features and specs needed to put up a functional e-commerce website.

#4. Highly Scalable

Magento is suitable for small e-commerce companies serving just one town or a state as well as MNCs. It grows with your business; regardless of the kind of e-commerce features or enhancements you need, Magento will never fail to surprise you (pleasantly, of course!). No wonder why so many Fortune 500 companies (most having very complex e-commerce operations) are using Magento. Samsung Mobile Shopping Site – Powered by Magento

#5. High Performance

When it comes to page load speed, query processing time and other such performance parameters, Magento emerges as a winner again.

#6. Flexible

Magento has open system architecture; a Magento specialist can therefore help create appealing and highly unique user experiences corresponding to different types of access devices. It is also possible to add customized back-end workflows to meet specific business requirements. With Magento, a modular ecommerce solution at the core, you're in control of how you want your ecommerce website to look and perform.

#7. Multi Tenant

With one backend CMS, Magento allows you to create multiple online stores. You can control all of your inventory, billing tasks, customer records etc. from a single admin dashboard.

#8. Easy Integrations

Integrating Magento with a multitude of third party services including payment gateways, database applications, shipping, shipment tracking etc. is quick and easy. In addition to this, the platform is already associated with Google Analytics, Google Checkout and Google Base.

#9. SEO Friendly

Much like WordPress, Magento is a highly SEO-friendly content management system. It comes preloaded with various SEO features such as search engine friendly URLs, sitemaps, layered navigation, URL rewrites, meta tags, descriptions etc.

#10. Support for Mobile Commerce

Both Community and Enterprise editions of Magento e-commerce CMS are now incorporating multiple HTML5 capabilities, thus ensuring provision of superior mobile shopping experiences. From image scaling and AV capabilities to gesture based controls, Magento based stores can also have drag and drop features.

Usecases

Magento has the distinction of being the MOST popular CMS for e-commerce. Some of the biggest brands use Magento and so do millions of small and midsized ecommerce companies around the globe such as.

- Samsung
- > Fort
- ➤ Fox Connect
- > Levono
- Olympus
- ➤ Men's Health
- > Vizio
- Nestle Nespresso
- ➤ Nike etc





BevMo!



ADOREBEAUTY



Benefits Of Using Magento:

- Easy to install and add additional layouts and plug-ins
- Open source technology that offers flexible, scalable ecommerce solutions
- Effective and cost sensitive program
- Allows for various discounts and promotions during check-out
- Provides more than 50 payment gateways