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How to Install vTiger CRM on Ubuntu 18.04 LTS

## How to Install vTiger CRM on Ubuntu 18.04 LTS

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specifically designed for ease of use to allow business owners to collaborate and automate engaging experiences with customers throughout the entire process. vTiger CRM allows sales, support, and marketing teams to organize and collaborate to measurably improve customer experiences.

### Features

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- [Install vTiger CRM](#)
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- Supports role-based access control.

- Provides Outlook, Thunderbird, Firefox, and Gmail plugins.
- Automated support using a customer portal and support tickets.
- Workflows, tasks, and project management.
- Allow us to import and export data via CSV files.
- provides customizable user dashboards.

In this tutorial, we will learn how to install vTiger CRM on Ubuntu 18.04 server.

## Requirements

- A server running Ubuntu 18.04.
- A static IP address 192.168.0.103 is setup to your server.
- A root password is setup to your server.

## Getting Started

Before starting, you will need to update your system with the latest version. You can do this by running the following command:

```
apt-get update -y
apt-get upgrade -y
```

Once your server is updated, restart your server to apply the changes.

## Install LAMP Server

VTiger CRM runs on the web server, written in PHP and uses MariaDB to store their data. So, you will need to install Apache, MariaDB, PHP and other PHP modules to your server. You can install all of them by just running the following

```
apt-get install apache2 mariadb-server libapache2-mod-php7.2 php7.2 php7.2-cli php7.2-mysql php7.2-common php7.2-zip php7.2-mbstring php7.2-xmllrpc php7.2-curl php7.2-soap php7.2-gd php7.2-xml php7.2-intl php7.2-ldap php7.2-imap unzip wget -y
```

Once all the packages are installed, open php.ini file and make some changes:

```
nano /etc/php/7.2/apache2/php.ini
```

Make the following changes:

```
file_uploads = On
allow_url_fopen = On
memory_limit = 256M
upload_max_filesize = 30M
post_max_size = 40M
max_execution_time = 60
max_input_vars = 1500
```

Save and close the file. Then, start Apache and MariaDB service and enable them to start on boot time with the following command:

```
systemctl start apache2
systemctl start mariadb
systemctl enable apache2
systemctl enable mariadb
```

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## Configure Database

By default, MariaDB is not secured. So, you will need to secure it. You can do this by running the `mysql_secure_installation` script:

```
mysql_secure_installation
```

This script will change your current root password, remove anonymous users, disallow root login remotely as shown below:

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```
Remove test database and access to it? [Y/n]: Y
Reload privilege tables now? [Y/n]: Y
```

Once the MariaDB is secured, log in to MariaDB shell with the following command:

```
mysql -u root -p
```

Enter your root password when prompt. Then, create a database and user for vTiger using the following command:

```
MariaDB [(none)]> CREATE DATABASE vtigerdb;
MariaDB [(none)]> CREATE USER 'vtiger'@'localhost' IDENTIFIED BY 'password';
```

Next, grant all the privileges to vTiger database with the following command:

```
MariaDB [(none)]> GRANT ALL PRIVILEGES ON vtigerdb.* TO 'vtiger'@'localhost' IDENTIFIED
BY 'mypassword' WITH GRANT OPTION;
```

Replace the word `mypassword` with your own secure password. Next, alter the database with the following command:

```
MariaDB [(none)]> ALTER DATABASE vtigerdb CHARACTER SET utf8 COLLATE utf8_general_ci;
```

Next, flush the privileges and exit from the MariaDB shell with the following command:

```
MariaDB [(none)]> FLUSH PRIVILEGES;  
MariaDB [(none)]> exit
```

## Install vTiger CRM

First, you will need to download the latest version of vTiger CRM from their official website. You can download it with the following command:

```
wget https://excellmedia.dl.sourceforge.net/project/vtigercrm/vtiger%20CRM%207.1.0/Cor
```

```
tar -xvzf vtigercrm7.1.0.tar.gz
```

Next, copy the extracted directory to the Apache web root and give proper permissions:

```
cp -r vtigercrm /var/www/html/  
chown -R www-data:www-data /var/www/html/vtigercrm  
chmod -R 755 /var/www/html/vtigercrm
```

Once you have done, you can proceed to the next step.

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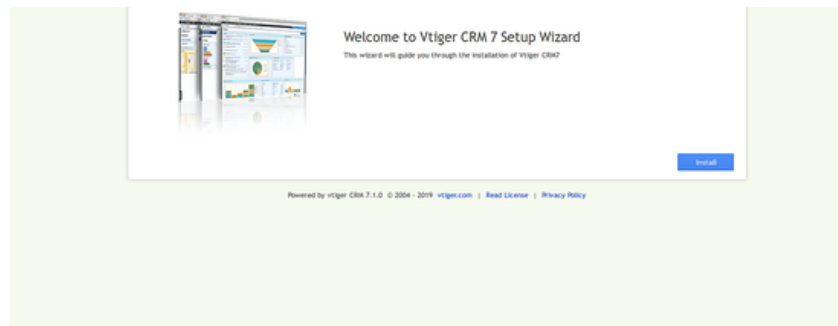
You should see the following output:

```
? apache2.service - The Apache HTTP Server
  Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
  Drop-In: /lib/systemd/system/apache2.service.d
           ??apache2-systemd.conf
  Active: active (running) since Wed 2019-02-06 16:23:20 UTC; 20min ago
  Process: 2929 ExecStop=/usr/sbin/apachectl stop (code=exited, status=0/SUCCESS)
  Process: 2938 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
  Main PID: 2952 (apache2)
  Tasks: 11 (limit: 1113)
  CGroup: /system.slice/apache2.service
           ??2952 /usr/sbin/apache2 -k start
           ??2973 /usr/sbin/apache2 -k start
           ??2975 /usr/sbin/apache2 -k start
           ??2977 /usr/sbin/apache2 -k start
           ??2979 /usr/sbin/apache2 -k start
           ??2982 /usr/sbin/apache2 -k start
           ??2985 /usr/sbin/apache2 -k start
           ??2986 /usr/sbin/apache2 -k start
           ??2987 /usr/sbin/apache2 -k start
           ??3156 /usr/sbin/apache2 -k start
           ??3158 /usr/sbin/apache2 -k start

Feb 06 16:23:19 ubuntu1804 systemd[1]: Starting The Apache HTTP Server...
Feb 06 16:23:20 ubuntu1804 apachectl[2938]: AH00558: apache2: Could not reliably determin
e the server's fully qualified domain name, using 192.
Feb 06 16:23:20 ubuntu1804 systemd[1]: Started The Apache HTTP Server.
```

## Access vTiger CRM

Now, open your web browser and type the URL <http://example.com>. You will be redirected to the following page:



Now, click on the **Install** button. You should see the following page:

## Configure Apache for vTiger CRM

Next, you will need to create an apache virtual host file for vTiger CRM. You can create it with the following command:

```
nano /etc/apache2/sites-available/vtigercrm.conf
```

Add the following lines:

```
<VirtualHost *:80>
    ServerAdmin admin@example.com
    ServerName example.com
    DocumentRoot /var/www/html/vtigercrm/

    <Directory /var/www/html/vtigercrm/>
```

```
        ErrorLog /var/log/apache2/vtigercrm_error.log
        CustomLog /var/log/apache2/vtigercrm_access.log combined
    </VirtualHost>
```

Replace the domain name example.com with your own domain name. Save and close the file. Then, disable the Apache default virtual host file and enable vTiger virtual host file with the following command:

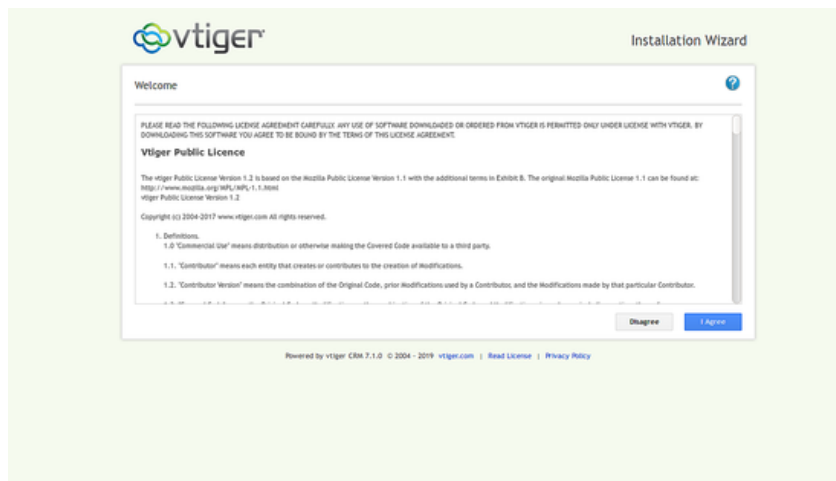
```
a2ensite vtigercrm
a2dissite 000-default
```

Next, enable Apache rewrite module and restart Apache service with the following command:

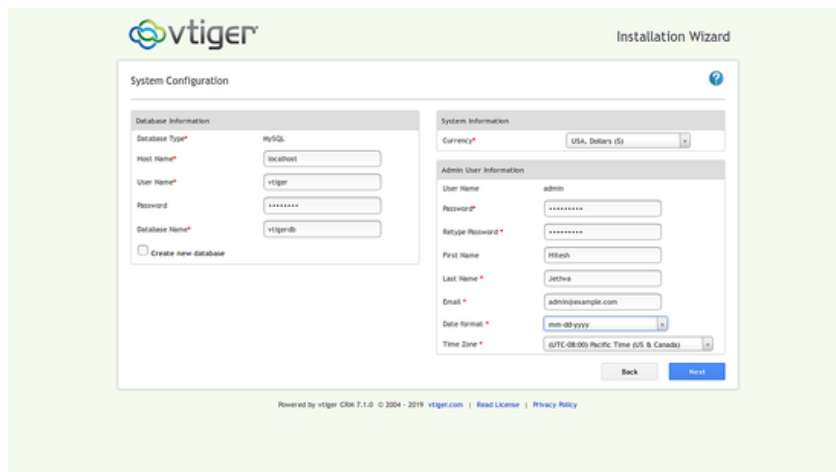
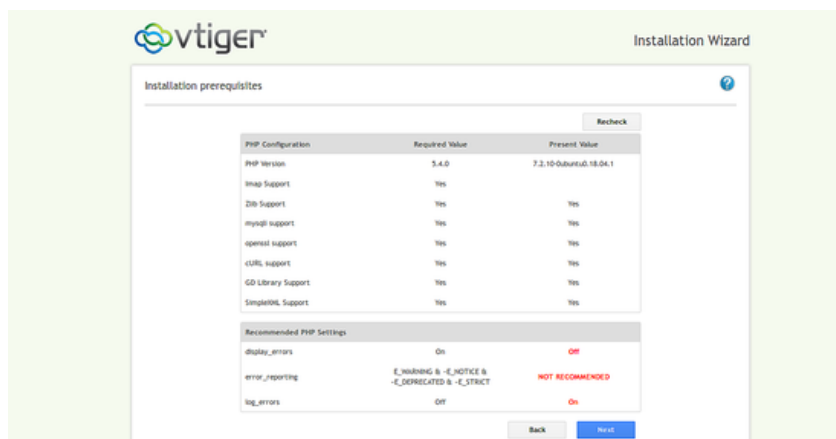
```
a2enmod rewrite
systemctl restart apache2
```

Next, check the status of Apache service with the following command:

```
systemctl status apache2
```



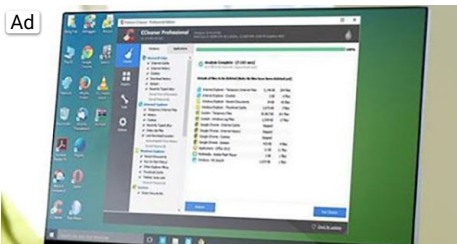
Now, accept the vTiger public licence. You should see the following page:



Next, provide your database name, database username, password, admin username and password. Then, click on the **Next** button. You should see the following page:


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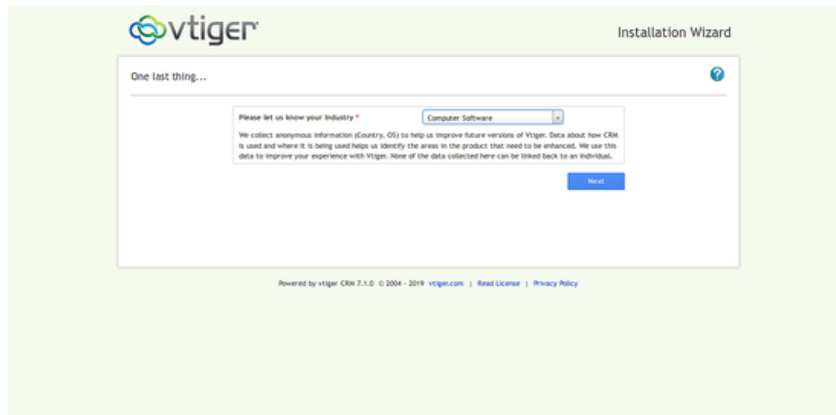


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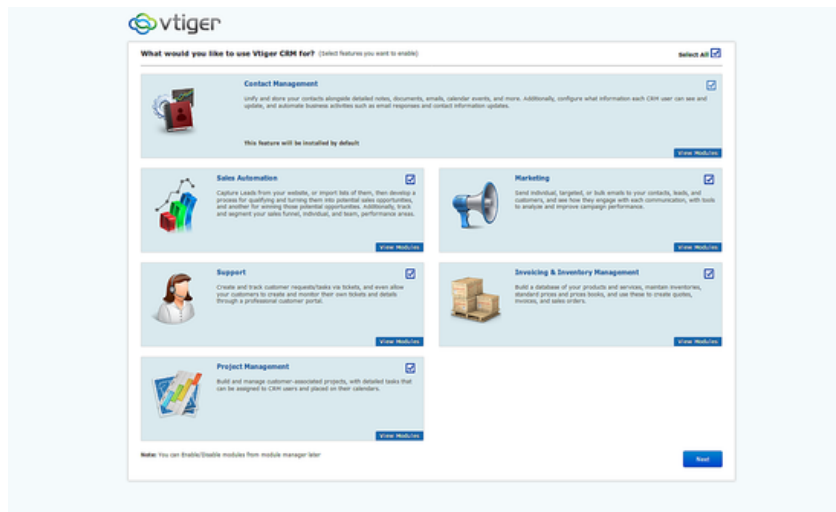
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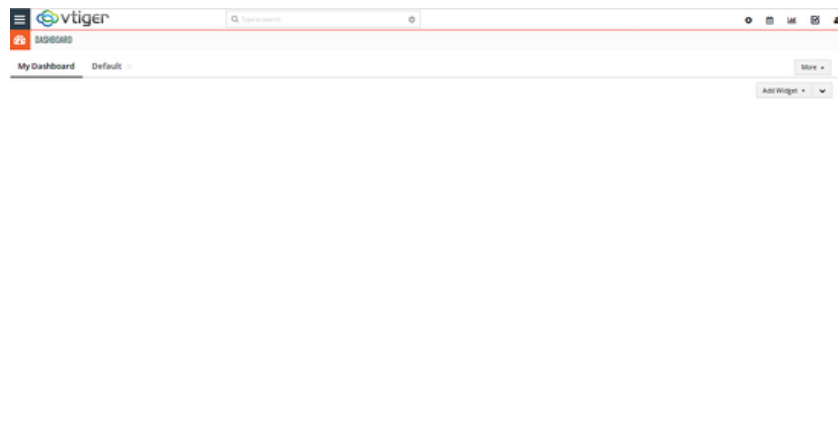


Next, select your industry and click on the **Next** button. You should see the following page:



Next, select modules and click on the **Next** button. Once the installation has been completed successfully, you should see the following page:





Congratulations you have successfully installed and configured vTiger CRM on Ubuntu 18.04 server.

#### About Hitesh Jethva

Over 8 years of experience as a Linux system administrator. My skills include a depth knowledge of Redhat/Centos, Ubuntu Nginx and Apache, Mysql, Subversion, Linux, Ubuntu, web hosting, web server, Squid proxy, NFS, FTP, DNS, Samba, LDAP, OpenVPN, Haproxy, Amazon web services, WHMCS, OpenStack Cloud, Postfix Mail Server, Security etc.

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## Comments

**By:** Ayman Ragab **at:** 2019-04-04 08:42:33

Reply

I followed your stepsnow I have a small problem, When I call th FQDN for the site the login screen appears but with the IP address instead of the FQDNIs it from the apache setting or form the Site settings Please help

**By:** VTiger-CRM **at:** 2019-04-08 13:47:44

Reply

Love your resources! I appreciate your details and depth writing style and all your eye cache points was so awesome.

**By:** Duven **at:** 2019-06-05 10:32:36

Reply

Hi,

Can you please make a tutorial like this but with nginx , exporting a old local DB and using a RDS?

**By:** baraka **at:** 2019-06-28 07:04:41

Reply

thank you very much, it works perfect for me.

**By:** Travis **at:** 2019-11-02 17:53:15

Reply

I modified yours for php7.3 because of some other known security issues with 7.2 and I had to add the following beofre installing it.  
sudo add-apt-repository ppa:ondrej/php  
Just in case anyone else is doing the same.

**By:** Mahmoud Eid **at:** 2019-12-09 16:54:16

Reply

many thanks for your perfect setps.

All steps is working without any problems

**By:** Ricky **at:** 2020-04-12 00:44:46

Reply

great guide... problem is at the end of installation (after providing my industry) I get an error that says "the result is not an object". no idea how to fix it..

**By:** Phil **at:** 2020-05-06 11:31:20

Reply

Perfect guide thanks.

Need some help getting workflow crons to run, any advice would be appreciated..

**By:** Rus **at:** 2020-05-21 00:03:33

Reply

i have a problem on instalation step: MySQL Server should be configured with: sql\_mode =  
ERROR\_FOR\_DIVISION\_BY\_ZERO,NO\_AUTO\_CREATE\_USER,NO\_ENGINE\_SUBSTITUTION

**By:** Rus **at:** 2020-05-21 13:06:54

Reply

i have a problem on instalation step:MySQL Server should be configured with:sql\_mode =  
ERROR\_FOR\_DIVISION\_BY\_ZERO,NO\_AUTO\_CREATE\_USER,NO\_ENGINE\_SUBSTITUTION

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Author:	Hitesh Jethva
Published:	Feb 13, 2019
Tags:	linux, ubuntu

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