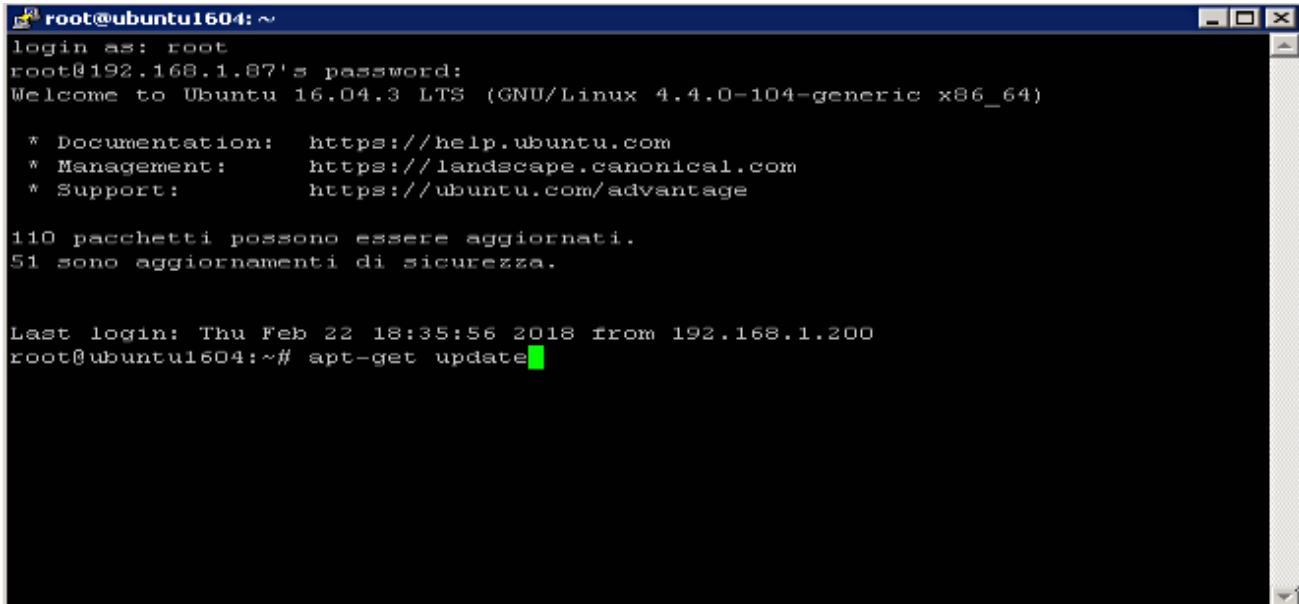


vtenext installation on Linux Ubuntu 16.04 LTS

- [Installation](#)
- [Configuration](#)

Installation

Open Putty and connect to the remote host where you will install VTE via SSH connection. First, you must run the command `apt-get update` to update the local package with the recent changes in the repository.



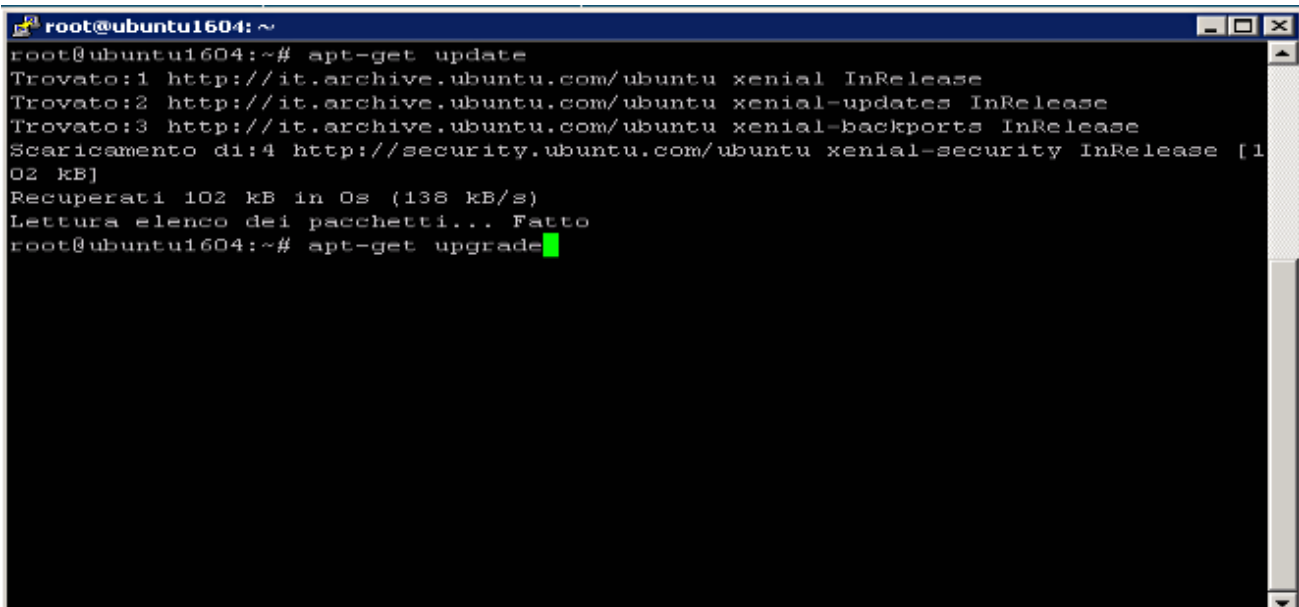
```
root@ubuntu1604: ~
login as: root
root@192.168.1.87's password:
Welcome to Ubuntu 16.04.3 LTS (GNU/Linux 4.4.0-104-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

110 pacchetti possono essere aggiornati.
51 sono aggiornamenti di sicurezza.

Last login: Thu Feb 22 18:35:56 2018 from 192.168.1.200
root@ubuntu1604:~# apt-get update
```

Then type the command `apt-get upgrade` to update the packages installed on your system.



```
root@ubuntu1604:~# apt-get update
Trovato:1 http://it.archive.ubuntu.com/ubuntu xenial InRelease
Trovato:2 http://it.archive.ubuntu.com/ubuntu xenial-updates InRelease
Trovato:3 http://it.archive.ubuntu.com/ubuntu xenial-backports InRelease
Scaricamento di:4 http://security.ubuntu.com/ubuntu xenial-security InRelease [1
02 kB]
Recuperati 102 kB in 0s (138 kB/s)
Lettura elenco dei pacchetti... Fatto
root@ubuntu1604:~# apt-get upgrade
```

After you upgraded your system, you must install the packages that will allow the operation of VTE.

Run the following commands:

- `sudo apt-get install apache2 mysql-server`
- `apt-get install php php-cli php-gd php-imap php-ldap php-mysql php-curl php-imagick php-mbstring php-xml libapache2-mod-php`
- `sudo phpenmod imap`
- `a2enmod rewrite`
- `dpkg-reconfigure libapache2-mod-php`

Type the command `sudo nano /etc/php/7.0/apache2/php.ini` and check the following:

- `error_reporting = E_ALL & ~E_DEPRECATED & ~E_STRICT & ~E_NOTICE`
- `display_errors = On`
- `max_execution_time = 600`
- `memory_limit = 256M`
- `log_errors = On`
- `file_uploads = On`
- `output_buffering = On`
- `short_open_tag = On`

Save the file and apply the same change to the file `/etc/php/7.0/cli/php.ini`

Type the command `service apache2 restart` to restart the Apache service and apply the changes.

Unzip the package VTE in the folder `/var/www/` and assign the owner and group to the folder and files recursively with the command `chown -R www-data:www-data /var/www/CARTELLA/`.



```

root@ubuntu1604: /var/www/html
root@ubuntu1604:/var/www/html# chown -R www-data:www-data /var/www/html/vte/

```

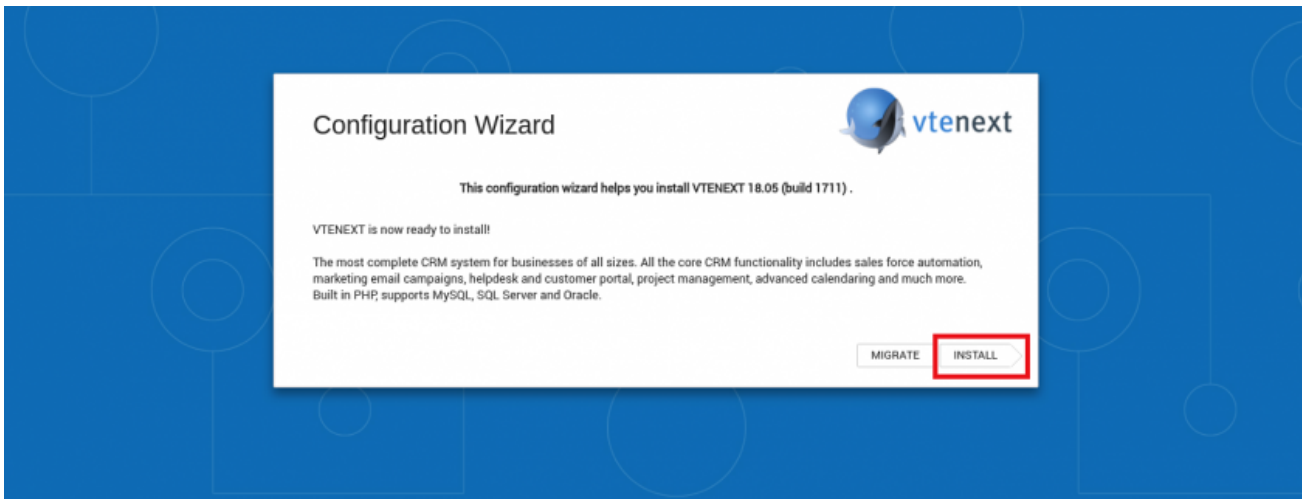
NB: The Apache group and the user are displayed by creating a new file called `phpinfo.php`. To create the file, type the command `nano phpinfo.php` and write the following line of code:

```
<?php phpinfo(); ?>
```

Save and then open the `phpinfo.php` page in your browser and look for the following entry:

Apache Version	Apache/2.4.18 (Ubuntu)
Apache API Version	20120211
Server Administrator	webmaster@localhost
Hostname:Port	127.0.1.1:80
User/Group	www-data(33)/33
Max Requests	Per Child: 0 - Keep Alive: on - Max Per Connection: 100
Timeouts	Connection: 300 - Keep-Alive: 5
Virtual Server	Yes
Server Root	/etc/apache2
Loaded Modules	core mod_so mod_watchdog http_core mod_log_config mod_logio mod_version mod_unixd mod_access_compat mod_alias mod_auth_basic mod_auth_core mod_auth_file mod_auth_core mod_auth_host mod_auth_user mod_autoindex mod_deflate mod_dir mod_env mod_filter mod_mime prefork mod_negotiation mod_php7 mod_rewrite mod_setenvif mod_status

Open the folder of VTE through a browser and start the setup procedure of VTE.

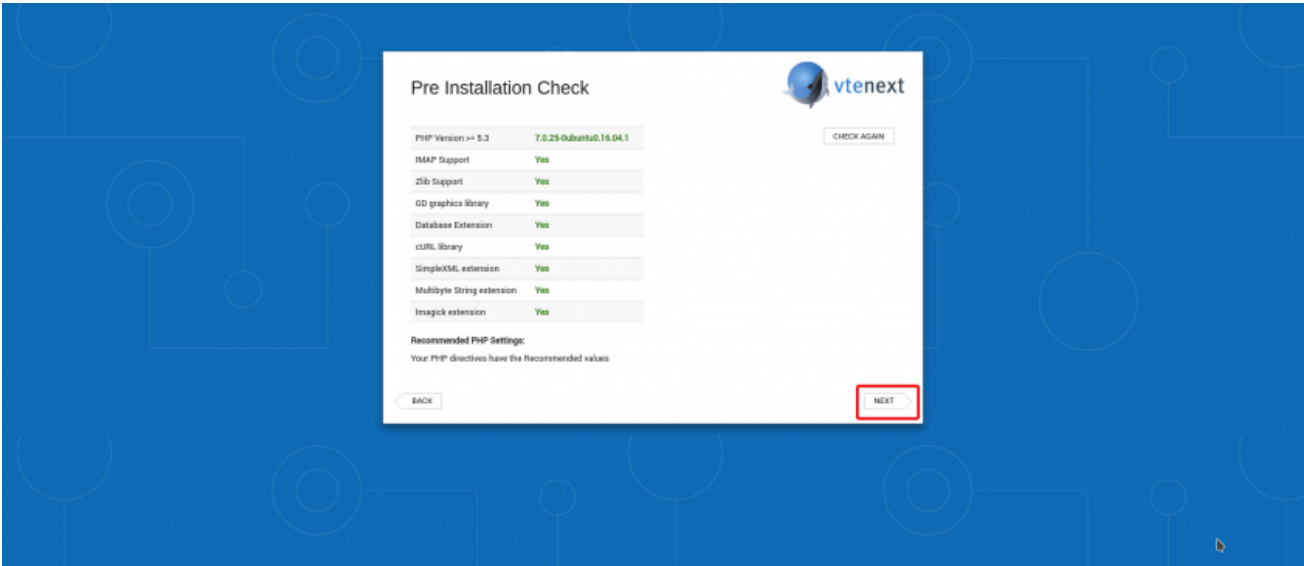


Press the **Install** button and accept the license agreement to continue.



If all packages have been installed and the settings of the *php.ini* file are set correctly you will see the following screen.

To change the parameters of **PHP RECOMMENDED SETTINGS** type `nano/etc/php5/cli/php.ini` and change the values, restart Apache, and press the **Check Again** button.



Press the **Next** button. Configure the database parameters and press the **Next** button.



Confirm the configuration and start the installation.

Configuration

CRON Configuration

Verify that the *RunCron.sh* file in the cron folder has execute permissions through the command `sudo chmod a+x RunCron.sh`. Enter the command `crontab -e` and insert the following line:

```
***** /var/www/html/VTE_FOLDER/cron/RunCron.sh >> /var/www/html/VTE_FOLDER/logs/cron.log  
2>&1
```

Backup and Restore

The backup can be done using a tool easily findable on the web.

Restore:

1) `tar xzvf /backups/FILE.tgz` and after `chown -R www-data:www-data CARTELLA`

2) recreate the DB (CHARSET UTF-8) and type the following commands:

- - `gunzip FILE.sql.gz`
- - `mysql DATABASE < FILE.sql`

If you move/duplicate VTE check the parameters in the new *config.inc.php*:

3) `$PORTAL_URL`

4) `$dbconfig['db_name']` e relative credenziali di accesso al servizio database

5) `$site_URL`

6) `$root_directory`

NB: In this case it will be necessary to reactivate the vtenext license.

Debug

Set true the `db_dieOnError` (*config.inc.php*).

```
54 $dbconfig['db_username'] = 'root';
55 $dbconfig['db_password'] = 'root';
56 $dbconfig['db_name'] = 'vte51_962';
57 $dbconfig['db_type'] = 'mysql';
58 $dbconfig['db_status'] = 'true';
59 //crm@add db options
60 $dbconfig['db_charset'] = 'utf8';
61 $dbconfig['db_dieOnError'] = true;
62 //crm@add db options end
63 // TODO: test if port is empty
64 // TODO: set db_hostname depending on db_type
```

In this way, in case of an error, the query is shown with directions on where the error is.

To enable the debugging of VTE and see all the functions which handle the application open config.performance.php and set to `LOG4PHP_DEBUG`. On line 19 of `log4php.properties` replace FATAL with DEBUG.