

# VIPole Enterprise

## WEB Module Installation Guide



**VIPole**  
[www.vipole.com](http://www.vipole.com)

**SECURE AND ENCRYPTED MESSENGER**  
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## WEB Module Description

This is a special add-on module for VIPole Enterprise that allows:

- to register users through the web interface using a link <http://example.com/vipoleweb/>
- reset the user password using a link [http://example.com/vipoleweb/forgot\\_password](http://example.com/vipoleweb/forgot_password)
- **example.com** is the name of your Internet domain.

WEB Module for VIPole Enterprise is a set of scripts in PHP and runs under Apache server.

The WEB module requires the following PHP extensions:

- gd2,
- mb\_string,
- blitz,
- mongo,
- redis .

# WEB Module Installation and Configuration

## 1. Preparing for installation:

1.1. Install Apache web server:

```
apt-get install apache2
```

1.2. Install and configure PHP interpreter:

```
apt-get install php5 php5-dev php5-cli php-pear
```

1.3. To build extensions you will need to install GCC:

```
apt-get install gcc
```

```
apt-get install make
```

1.4. Install GD :

```
apt-get install php5-gd
```

1.5. Install mb\_string:

The mb\_string extension is included in the standard set of PHP extensions.

1.6. Install blitz:

1.6.1. Download and unpack the archive:

```
cd ~
```

```
wget http://alexeyrybak.com/blitz/all-releases/blitz-0.8.17.tar.gz
```

```
tar xzvf blitz-0.8.17.tar.gz
```

1.6.2. Build blitz library

```
cd ~/blitz-0.8.17
```

```
phpize
```

```
./configure
```

```
make
```

```
make install
```

1.6.3. Create a file `/etc/php5/mods-available/blitz.ini` with the following content:

```
extension=blitz.so
```

1.6.4. Connect the module to PHP:

```
ln -s /etc/php5/mods-available/blitz.ini  
/etc/php5/conf.d/30-blitz.ini
```

1.7. Install mongo extension for PHP:

```
apt-get install pkg-config libssl-dev libsslcommon2-dev
```

1.7.1. Installation is implemented using PECL.

```
pecl install mongo
```

1.7.2. Create a file `/etc/php5/mods-available/mongo.ini` with the following content:

```
extension=mongo.so
```

1.7.3. Connect the module to PHP:

```
ln -s /etc/php5/mods-available/mongo.ini  
/etc/php5/conf.d/40-mongo.ini
```

1.8. Install redis extension for PHP:

1.8.1. Download and extract the archive:

```
cd ~  
  
wget https://github.com/nicolasff/phpredis/zipball/master  
  
mv master redis-php.zip  
  
unzip redis-php.zip
```

1.8.2. Build redis library:

```
cd ~/phpredis-phpredis-4c8cf98  
  
phpize  
  
./configure CFLAGS="-O3"  
  
make clean all && make && make install
```

1.8.3. Create a file `/etc/php5/mods-available/redis.ini` with the following content:

```
extension=redis.so
```

1.8.4. Connect module to PHP:

```
ln -s /etc/php5/mods-available/redis.ini  
/etc/php5/conf.d/50-redis.ini
```

## 1.9. Restart Apache

```
service apache2 restart
```

Check the correct installation of PHP modules from the command line:

```
php -r "phpinfo();" 
```

or by executing Apache script

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

Make sure that all modules are launched.

## 2. Configuration

### 2.1. Apache

If the folder with the VIPole web module is called **vipolecorporatweb** and is located in **/ var / www /**, the following alias should be specified in the Apache configuration files:

Alias /vipoleweb/capcha "/var/www/vipolecorporatweb/public/capcha.php"

Alias /vipoleweb/static/ "/var/www/vipolecorporatweb/static/"

Alias /vipoleweb "/var/www/vipolecorporatweb/public/index.php"

### 2.2. WEB Module

Edit file **conf/vipole\_conf.php** with your configuration.

In **\$ SELF\_REGISTER** the possibility of self-registration of users through the web interface is allowed. But it is not recommended to include self-registration.

It is better to add users through the Administrator extension in the VIPole client application. Self-registration is only useful when the number of users overcomes 100 users and when integrating WEB module into another information system.

You can also specify a password to restrict access to the possibility of self-registration.

**\$ VIPOLE\_DOMAIN** - points to the VIPole server domain (the one that was specified when the database was initialized).

**\$ WEB\_DOMAIN** is the Internet domain on which the WEB module server is located.

**\$ BASE\_PATH** is the general part of the web module address.

\$ **VIPOLEDB** - the address and port of the Mongo database. The parameters dbname, dbprefix, cluster must match the parameters from initdb.js, used when initializing the database.

\$ **GLOBALCACHE** is the address and port of Redis.

\$ **SMTP** settings for the mail server used to send messages.

\$ **LOG** configuring WEB module logging. We recommended creating a log file with the command:

```
touch /var/log/vipoleweb.log
```

```
chown www-data:www-data /var/log/vipoleweb.log
```

### 2.3. CRON

As a www-data user add to crontab command to start once a minute

```
cd /var/www/vipolecorporateweb/workerrunner/ &&  
/usr/bin/php -f ./main.php
```