

OpenIMS CE



Version 4.2

Installation instructions

OpenSesame ICT BV



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1 Introduction

In this document we briefly explain how to install and configure OpenIMS in a Linux environment.

OpenIMS Community Edition (OpenIMS CE) is one of the first Information Management Servers (IMS) developed by OpenSesame ICT (www.osict.com). It is licensed under the GPL GNU v.3.0 Open Source license.

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2 Installation instructions

These installation instructions are for OpenIMS CE (Community Edition) only. Additional and different requirements apply to OpenIMS Enterprise Edition.

REQUIRED SOFTWARE

- Apache 1.3, 2.0 or 2.2
- PHP 4 or 5
- zip, unzip, gzip, gunzip, diff utilities

CONFIGURATION REQUIREMENTS

- OpenIMS must be installed in the DocumentRoot. OpenIMS will not work when installed in a subdirectory under the DocumentRoot.
- OpenIMS must have full write access to the DocumentRoot. Ownership (by the user that Apache runs as) is recommended.
- OpenIMS must be allowed to use the command line utilities listed above and to use the shell. SELinux or other software that would interfere with this, should be disabled (at least for Apache).
- mod_php is recommended. When not using mod_php, the PHP settings listed in the included .htaccess file should be transferred to php.ini.
- The Apache directive "AllowOverride All" is recommended. When not using this directive, the settings listing in the included .htaccess should be transferred to the relevant <Directory> section in the Apache configuration file.

QUICK INSTALL INSTRUCTIONS

1. Unzip OpenIMS in the DocumentRoot. If you are not unzipping, but copying or moving files, make certain that .htaccess is included.
2. Use "chmod" to transfer ownership to the Apache user. Example: `chmod -R apache:apache /srv/www/openims`
3. Access the server with a web browser (using the correct domain name if VirtualHosts are being used).
4. You should be redirected to `http://<<<hostname>>>/openims/ce/autoconf/` and receive an error page instruction you to add your IP-adres to `<<<DocumentRoot>>>/openims/ce/autoconf/.htaccess`. Do this.
5. Refresh the page in your web browser. You should now be able to create a basic site and set a password.
6. After creating the site, remove your IP-adres from `<<<DocumentRoot>>>/openims/ce/autoconf/.htaccess`.
7. Visit the url `http://<<<hostname>>>/adm` to log in to OpenIMS.
8. Use Admin > Maintenance to check and/or repair your Myconfig.php configuration.

MYCONFIG CONFIGURATION SETTINGS

Myconfig.php should appear in the DocumentRoot after step 5 of the Quick Install Instructions. You should change the settings in myconfig.php to match your Linux configuration.

*** Default settings created during the installation:

```
$myconfig["windows"] = "no";  
// Dont change this
```

```
$myconfig["linux"] = "yes";  
// Dont change this
```

```
$myconfig["tmp"] = "/tmp";
```

```
// This should be a directory where Apache has write access

$myconfig["hasgzlib"] = "yes";
// Tells OpenIMS whether certain PHP functions are available.
// If the selftest (Admin > Maintenance > Check configuration) results in
// a (fatal) error, change this setting to "no".

$myconfig["hasgzcompress"] = "yes";
// Tells OpenIMS whether certain PHP functions are available.
// If the selftest (Admin > Maintenance > Check configuration) results in
// a (fatal) error, change this setting to "no".

$myconfig["gzipcommand"] = "/bin/gzip";
// Should contain the path to the gzip executable.

$myconfig["gunzipcommand"] = "/bin/gunzip";
// Should contain the path to the gunzip executable.

$myconfig["tarcommand"] = "/bin/tar";
// Should contain the path to the tar executable.

$myconfig["localsendmail"] = "yes";
// Tell OpenIMS to use the standard PHP mail() function. Don't change this,
// as there are no alternatives available in OpenIMS CE.

$myconfig["diff"] = "/usr/bin/diff";
// Should contain the path to the diff executable.

$myconfig["unzip"] = "/usr/bin/unzip";
// Should contain the path to the unzip executable.

$myconfig["zip"] = "/usr/bin/zip";
// Should contain the path to the zip executable.

*** Optional settings that you might want to add

$myconfig["nosendmail"] = "yes";
// Disable all mail functionality.

$myconfig["defaultlanguage"] = "en";
$myconfig["defaultlanguage"] = "nl";
// Configure the default language (English or Dutch).
```

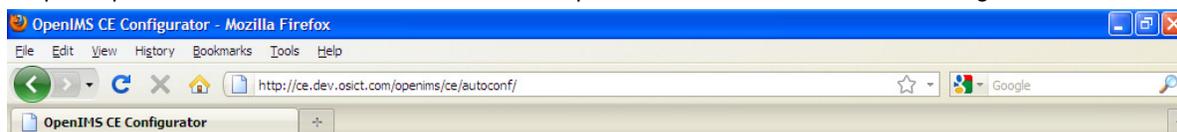
TROUBLESHOOTING TIPS

- If images and short url's (a short url would be `http://<<<hostname>>>/adm` instead of the full url `http://<<<hostname>>>/openims/openims.php?mode=admin`) are not working, this usually means that `.htaccess` is not present / has a syntax error / is not being read by apache; check your `AllowOverride-settings` is `httpd.conf`.
- To view OpenIMS errors (including many errors related to the configuration of php), go to `http://<<<hostname>>>/showerrors`, enable the "Show Errors" option, and then reload (Ctrl+F5) the page you were trying to view.
- If (with `/showerrors`) you get the php error "headers already sent", check that you do not have any whitespace before `<?` or after `?>` in `myconfig.php` or in your site configuration.
- Go to the OpenIMS-directory and do `"php -f myconfig.php"` on the command line, to verify that there are no syntax errors in `myconfig.php`.

3 OpenIMS Sitecollection configuration

If the instructions in chapter 2 are completed a sitecollection has to be created.

Step 1. Open the url: <domainnaam – IP adres> /openims/ce/autoconf to start the configuration.

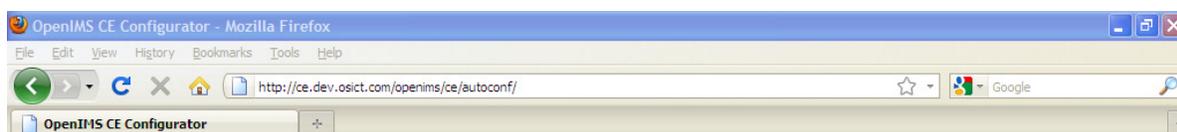


OpenIMS CE Configurator

OpenIMS version found: **OpenIMS CE 29545**

Machine config (/openims_ce/myconfig.php) not found [create example machine config](#)

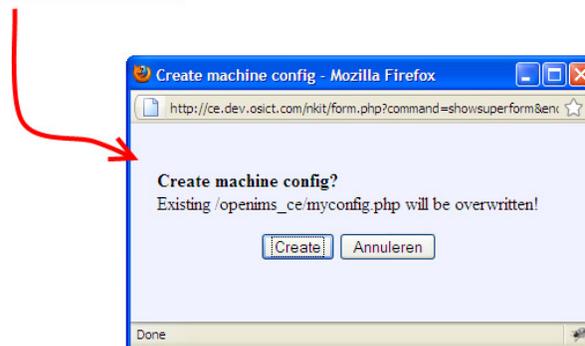
Step 2.



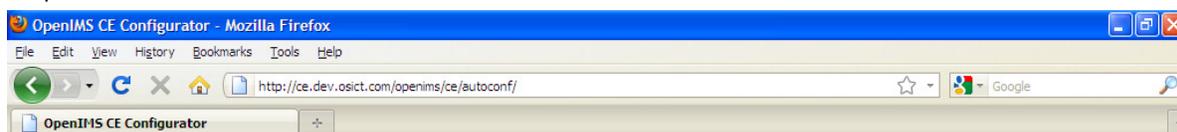
OpenIMS CE Configurator

OpenIMS version found: **OpenIMS CE 29545**

Machine config (/openims_ce/myconfig.php) not found [create example machine config](#)



Step 3.



OpenIMS CE Configurator

OpenIMS version found: **OpenIMS CE 29545**

Machine config (/openims_ce/myconfig.php) found (OK)

No site installed. [install site](#)

Step 4.

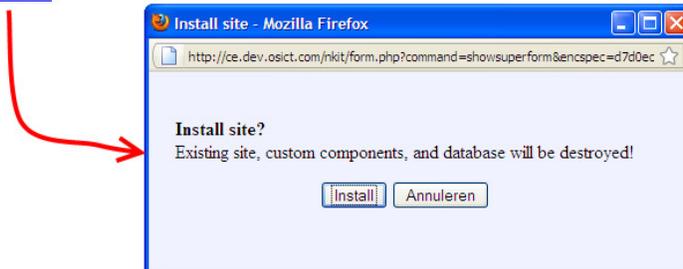


OpenIMS CE Configurator

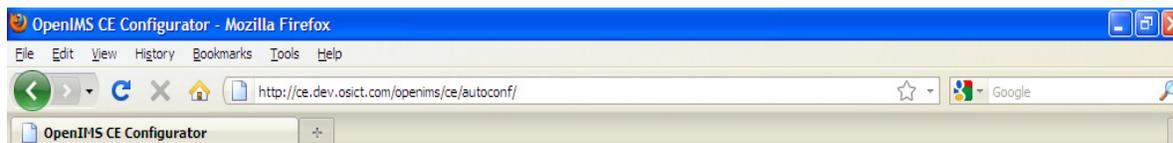
OpenIMS version found: **OpenIMS CE 29545**

Machine config (/openims_ce/myconfig.php) found (OK)

No site installed. [install site](#)



Step 5. An Administrator account will be created. ID : Admin.



OpenIMS CE Configurator

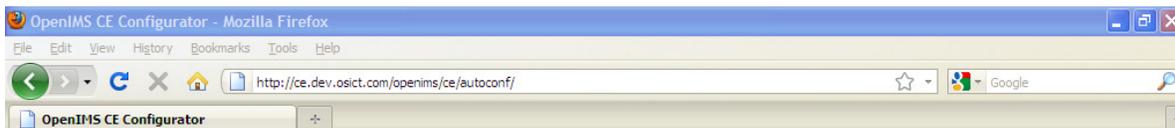
OpenIMS version found: **OpenIMS CE 29545**

Machine config (/openims_ce/myconfig.php) found (OK)

Site found (OK)

No admin account found [create](#)

Step 6. Enter a suitable password.



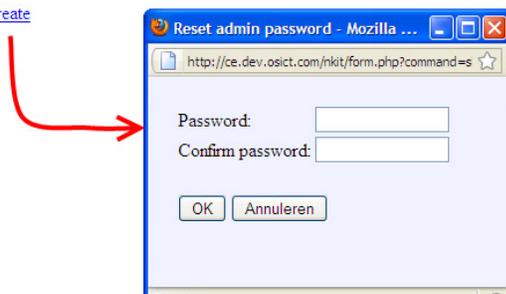
OpenIMS CE Configurator

OpenIMS version found: **OpenIMS CE 29545**

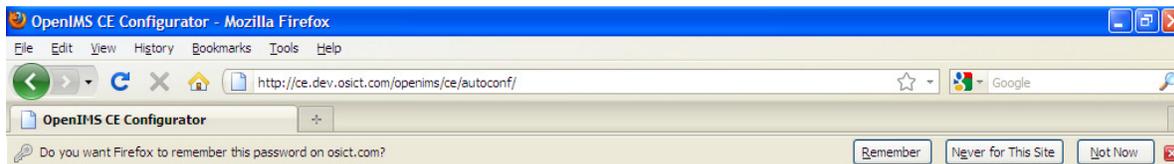
Machine config (/openims_ce/myconfig.php) found (OK)

Site found (OK)

No admin account found [create](#)



Step 7. The administrator account is successfully created.



OpenIMS CE Configurator

OpenIMS version found: **OpenIMS CE 29545**

Machine config (/openims_ce/myconfig.php) found (OK)

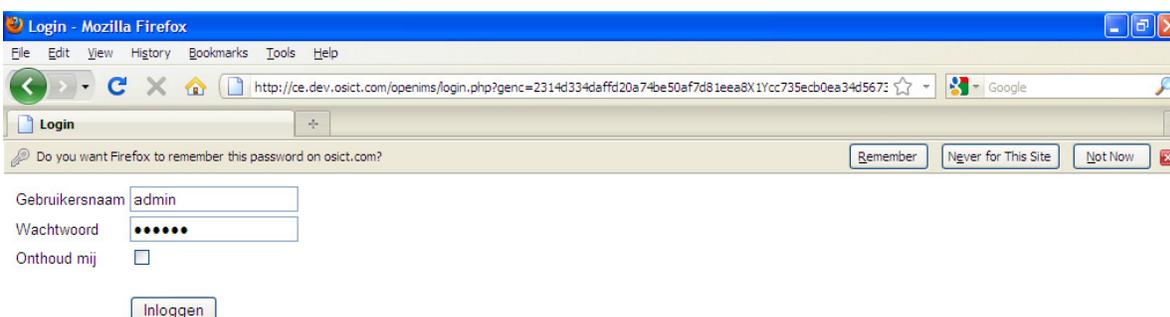
Site found (OK)

Admin account found (OK) [reset password](#)

Configuration complete. Please review the contents of /openims_ce/myconfig.php. You should be able to [log in](#) as admin.

After using the configuration tool, remove your IP address from /openims_ce/openims/ce/autoconf/.htaccess immediately.

Step 8. De environment (sitecollection) is ready. Pleas login to OpenIMS CE.



Step 9. You are now logged in.

