

# GestióIP IPAM

**v3.4**

**IP address management software**

## **Installation Guide**

**v0.20**

**[www.gestioip.net](http://www.gestioip.net)**

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## 1 Introduction

GestióIP comes with a script based installation assistant which guides through the installation process and helps to resolve GestióIP's dependencies.

The installation consists of two parts. The script based part to install the required Perl modules and to configure the Apache web server and a web-based web-based web-based part to create and configure the Mysql database.

If there are Perl modules missing, the setup will offer the option to install them automatically with the Linux distribution specific packet managers (yum, zypper, apt-get). But not all Perl modules are as packages for all distributions available. The setup offers the possibility to automatically download (from CPAN) and install the missing modules. That requires “wget” and “make” to be installed during the installation.

VLAN discovery and parts of host discovery are based on the Perl module SNMP::Info. This requires that Netdisco's MIB files are installed on the system. The setup offers the option to automatically download and install required MIB files.

## 2 Requirements

SO: Linux, Unix-like. Setup supports the following actual Linux distributions: Debian, Ubuntu, Fedora, Redhat, CentOS, SuSE

Software: Apache2 with mod\_perl, Mysql 4.x or 5.x (recommended: 5.x) or MariaDB, Perl, some Perl modules, SNMP standard MIBs

Hardware (min): DualCore CPU 2GHz, RAM: 2GB (recommended: 4GB)

## 3 System preparation

GestióIP requires an Apache Web Server and a local or remote MySQL/MariaDB database, as well as some SNMP MIBs. To install the required packages on the GestióIP server you can use the following commands. Note that the command “sudo” must be installed on your system.

### 3.1 Debian/Ubuntu

#### *Debian >= 9/Ubuntu >= 17*

```
$ sudo apt-get install make mysql-server mysql-client apache2 apache2-  
utils libapache2-mod-perl2 snmp snmp-mibs-downloader wget
```

#### *Debian <= 8/Ubuntu <= 16*

```
$ sudo apt-get install make mysql-server mysql-client apache2 apache2-  
utils libapache2-mod-perl2 apache2-mpm-prefork snmp snmp-mibs-downloader  
wget
```

The packet `snmp-mibs-downloader` is in Ubuntu a “multiverse” and in Debian a “non-free” component in. If `apt-get` does not find the package you need to activate the “multiverse”/“non-free” repository in `/etc/apt/sources.list`.

Ubuntu: add “universe multiverse” at the end of the lines starting with “deb”:

#### *Ubuntu 18.04*

```
deb http://archive.ubuntu.com/ubuntu bionic main multiverse universe
```

Debian: add “contrib non-free” at the end of the lines starting with “deb”:

#### *Debian 8:*

```
deb http://http.debian.net/debian/ wheezy main contrib non-free
```

#### *Debian 9:*

```
deb http://http.debian.net/debian/ stretch main contrib non-free
```

and execute “`sudo apt-get update`” to take the changes effect.

After installing the packages with `apt-get` install the required MIBs with the following command:

```
$ sudo download-mibs
```

Discovery via SNMP requires the SNMP MIBs are loaded. Comment out the line

```
“mibs :” in /etc/snmp/snmp.conf:
```

```
#mibs :
```

Note: `make` is only required for the setup of GestióIP and can be uninstalled after finishing the

installation of GestióIP (sudo apt-get remove make)

## MySQL

If you did not already set a MySQL root password execute the following steps before continuing with the web based installation part of GestióIP

```
$ sudo /etc/init.d/mysql start
$ mysql_secure_installation
```

Set a root password and answer all following questions with "Y".

If you get during web based database installation part the error “Access denied for user root ...” make sure to use the authentication plugin is set to “mysql\_native\_password”.

```
mysql> use mysql;
mysql> select Host, User, plugin from user where user="root";
+-----+-----+-----+
| Host   | User | plugin          |
+-----+-----+-----+
| localhost | root | mysql_native_password |
+-----+-----+-----+
```

If not, change it with the following mysql statement:

```
mysql> ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY
'password';
mysql> FLUSH PRIVILEGES;
```

## 3.2 Suse

### *Suse <= 12*

```
$ sudo zypper install apache2 apache2-mod_perl apache2_utils mysql mysql-
client make snmp-mibs net-snmp perl-SNMP wget
```

### *Suse >=13*

```
$ sudo zypper install apache2 apache2-mod_perl apache2_utils mariadb
mariadb-client mariadb-errormessages make snmp-mibs net-snmp perl-SNMP
```

(Suse13 comes with MariaDB which is full compatible with GestióIP – you don't need to care about this)

Note: make is only required for the setup of GestióIP and can be uninstalled after finishing the installation of GestióIP (sudo zypper remove make)

## **MariaDB**

If you did not already set a MariaDB root password execute the following steps before continuing with the web based installation part of GestióIP

```
$ sudo service mariabd start
$ mysql_secure_installation
```

Set a root password and answer all following questions with "Y".

## **3.3 Fedora/Redhat/Centos**

If you are using Redhat execute first the steps of the “Additional notes for Redhat” below.

### ***RHEL7/CentOS7:***

Install EPEL release (Extra Packages for Enterprise Linux) first:

```
$ sudo yum -y install epel-release
$ sudo yum -y update
```

```
$ sudo yum install httpd mod_perl mariadb mariadb-server make gcc net-
snmp net-snmp-utils wget
```

If you have SE\_LINUX enabled also install checkpolicy and policycoreutils-python:

```
$ sudo yum install checkpolicy policycoreutils-python
```

Only Fedora:

```
$ sudo yum install policycoreutils-python-utils
```

### ***Fedora, RHEL <7/CentOS <7***

```
$ sudo yum install httpd mod_perl mysql mysql-server make net-snmp net-
snmp-utils wget
```

If you have SE\_LINUX enabled also install checkpolicy and policycoreutils-python:  
\$ sudo yum install checkpolicy policycoreutils-python

Only Fedora:

\$ sudo yum install policycoreutils-python-utils

Note: make and gcc are only required during the setup of GestióIP and can be uninstalled after finishing the installation of GestióIP (sudo yum remove make)

## Additional notes for Redhat

Some required packages are part of the “optional” and “extra” channels. Activate this two channels before you start the installation

### Redhat 6

Check if the optional channel is activated:

```
$ sudo yum repolist all
  repo id                repo name                status
  rhel-6-server          Red Hat Enterprise Linux 6Server - enabled
  rhel-6-server-beta     Red Hat Enterprise Linux 6Server Be enabled
  rhel-6-server-optional-rpms Red Hat Enterprise Linux 6Server Op disabled
  rhel-6-server-supplementary Red Hat Enterprise Linux 6Server Su disabled

$ sudo subscription-manager repos --enable=rhel-6-server-optional-rpms
$ sudo yum install -y yum-utils
$ sudo yum-config-manager --enable rhel-6-server-optional-rpms
$ sudo yum update
```

### Redhat 7

```
$ sudo subscription-manager repos --enable rhel-7-server-extras-rpms
$ sudo subscription-manager repos --enable rhel-7-server-optional-rpms
$ sudo yum update
```

*Note:* If the installation failed because it was not possible to install GD::Graph::pie automatically, there will appear the following message:

```
Checking for GD::Graph::pie PERL module...
*** ERROR ***: PERL module GD::Graph::pie is not installed!
```

In this case, install the required perl modules manually. See [http://www.gestioip.net/docu/CentOS59\\_gd\\_graph\\_pie.txt](http://www.gestioip.net/docu/CentOS59_gd_graph_pie.txt) for further information.

## MariaDB

If you did not already set a MariaDB root password execute the following steps before continuing with the web based installation part of GestióIP

```
$ sudo service mariabd start
```

```
$ mysql_secure_installation
```

Set a root password and answer all following questions with "Y".

### **3.4 Misc:**

After a new installation of the MySQL (MariaDB) database you might need to set the root password for database.

Use the following command to set up a root password:

```
$ mysqladmin -u root password "newpass"
```

## 4 Installation

The installation of GestióIP consists in a script based installation assistant to install the software and a web based part to configure the Mysql database.

### **4.1 Script based installation**

Download GestióIP

\* Download GestióIP 3.2 IPAM from [www.gestioip.net](http://www.gestioip.net)

Install GestióIP

\* Open a shell and untar file `gestioip_3.2.tar.gz`:

```
$ tar vzxvf gestioip_3.2.tar.gz
```

\* Change to the new directory `gestioip_3.2`

```
$ cd gestioip_3.2
```



\* Execute the script based installation assistant like root

```
$ sudo ./setup_gestioip.sh
```

You can stop the script at any point of time by typing CTRL C and execute it later again.

Setup will write a log file called setup.log which is stored in the same folder as the script itself and contains all details of the installation.

Setup will propose a couple of parameters e.g. (“Where is Apache daemon binary?”). If you do not have special requirements you can confirm all default parameters by typing ENTER.

```
[user@host gestioip_3.1]$ sudo ./setup_gestioip.sh
```

This script will install GestioIP 3.2 on this computer

**Do you wish to continue [y]/n?**

Starting installation

Starting GestioIP setup from folder /home/user/sources/gestioip\_3.2

Storing log in file /home/user/sources/gestioip\_3.2/setup.log

```
+-----+
| Checking for Apache web server daemon... |
+-----+
```

**Where is Apache daemon binary [/usr/sbin/httpd]?**

OK, using Apache daemon /usr/sbin/httpd

```
+-----+
| Checking for Apache main configuration file... |
+-----+
```

Loading environment variables from /etc/apache2/envvars

AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1. Set the 'ServerName' directive globally to suppress this message

AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1. Set the 'ServerName' directive globally to suppress this message

This messages have only information character and can be ignored

**Where is Apache main configuration file [/etc/httpd/conf/httpd.conf]?**

OK, using Apache main configuration file /etc/httpd/conf/httpd.conf

```
+-----+
| Checking for Apache user account... |
+-----+
```

**Which user account is running Apache web server [apache]?**

OK, Apache is running under user account apache

```
+-----+
| Checking for Apache group... |
+-----+
```

**Which user group is running Apache web server [apache]?**

OK, Apache is running under users group apache

```
+-----+
| Checking for Apache Include configuration directory... |
+-----+
```

**Where is Apache Include configuration directory [/etc/httpd/conf.d]?**

OK, using Apache Include configuration directory /etc/httpd/conf.d

```
+-----+
| Checking for PERL Interpreter... |
+-----+
```

**Where is PERL Intrepreter binary [/usr/bin/perl]?**

OK, using PERL Intrepreter /usr/bin/perl

```
+-----+
| Checking for Apache mod_perl version... |
+-----+
```

Checking for Apache mod\_perl  
Apache mod\_perl available - Good!

```
+-----+
| Checking for required Perl Modules... |
+-----+
```

**Do you plan to import networks or hosts from spreadsheets [y]/n?**

Checking for DBI PERL module...  
Found that PERL module DBI is available.

Checking for DBD-mysql PERL module...  
Found that PERL module DBD-mysql is available.

Checking for Net::IP PERL module...  
\*\*\* ERROR \*\*\*: PERL module Net::IP is not installed!

Checking for Net::Ping::External PERL module...  
Found that PERL module Net::Ping::External is available.

Checking for Parallel::ForkManager PERL module...  
Found that PERL module Parallel::ForkManager is available.

Checking for SNMP PERL module...  
Found that PERL module SNMP is available.

Checking for SNMP::Info PERL module...

```
*** ERROR ***: PERL module SNMP::Info is not installed!
```

```
Checking for Mail::Mailer PERL module...  
Found that PERL module Mail::Mailer is available.
```

```
Checking for Time::HiRes PERL module...  
Found that PERL module Time::HiRes is available.
```

```
Checking for Date::Calc PERL module...  
Found that PERL module Date::Calc is available.
```

```
Checking for Date::Manip PERL module...  
Found that PERL module Date::Manip is available.
```

```
Checking for Net::DNS PERL module...  
Found that PERL module Net::DNS is available.
```

```
Checking for Spreadsheet::ParseExcel PERL module...  
*** ERROR ***: PERL module Spreadsheet::ParseExcel is not installed!
```

```
Checking for OLE::Storage_Lite PERL module...  
Found that PERL module OLE::Storage_Lite is available.
```

```
Checking for GD::Graph::pie PERL module...  
*** ERROR ***: PERL module GD::Graph::pie is not installed!
```

Typically there are not all required Perl modules installed on the server. Setup is able to install all missing Perl modules. If there are packages for the required Perl module available, setup will install these packages with the Linux distribution specific package manager (yum, apt-get, zypper). Perl modules which are not available as packages will be downloaded from CPAN ([www.cpan.org](http://www.cpan.org)) and automatically be installed.

```
##### There are required Perl Modules missing #####
```

```
Setup can install the missing Modules
```

```
Do you wish that Setup installs the missing Perl Modules now [y]/n?
```

```
Executing sudo yum install perl-Net-IP perl-DBI perl-DBD-mysql perl-DateManip  
net-snmp-perl perl-Date-Calc perl-TimeDate perl-MailTools perl-Net-DNS perl-  
Time-HiRes perl-GDGraph
```

```
Loaded plugins: fastestmirror, refresh-packagekit  
Existing lock /var/run/yum.pid: another copy is running as pid 2156.  
Another app is currently holding the yum lock; waiting for it to exit...
```

```
  The other application is: PackageKit  
    Memory : 25 M RSS ( 39 MB VSZ)  
    Started: Wed Oct  5 14:26:25 2011 - 00:06 ago  
    State  : Sleeping, pid: 2156
```

```
Loading mirror speeds from cached hostfile
```

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- \* base: ftp.udl.es
- \* extras: ftp.udl.es
- \* updates: ftp.udl.es

Setting up Install Process

Package perl-DBI-1.609-4.el6.i686 already installed and latest version  
 Package perl-DBD-MySQL-4.013-3.el6.i686 already installed and latest version  
 Package perl-Date-Manip-5.54-4.el6.noarch already installed and latest version  
 Package 1:net-snmp-perl-5.5-27.el6\_0.1.i686 already installed and latest version  
 Package perl-Date-Calc-6.3-2.el6.noarch already installed and latest version  
 Package 1:perl-TimeDate-1.16-11.1.el6.noarch already installed and latest version  
 Package perl-MailTools-2.04-4.el6.noarch already installed and latest version  
 Package 4:perl-Time-HiRes-1.9721-115.el6.i686 already installed and latest version

Resolving Dependencies

--> Running transaction check  
 ---> Package perl-GDGraph.noarch 1:1.44-7.el6 set to be updated  
 ---> Package perl-Net-DNS.i686 0:0.65-2.el6 set to be updated  
 ---> Package perl-Net-IP.noarch 0:1.25-13.el6 set to be updated  
 --> Finished Dependency Resolution

Dependencies Resolved

```

=====
=====
Package                               Arch
Version                               Repository                               Size
=====
=====
Installing:
perl-GDGraph                           noarch
1:1.44-7.el6                           base                                     127 k
perl-Net-DNS                           i686
0.65-2.el6                             base                                     232 k
perl-Net-IP                             noarch
1.25-13.el6                             base                                      32 k
  
```

Transaction Summary

```

=====
=====
Install      3 Package(s)
Upgrade     0 Package(s)
  
```

Total download size: 392 k

Installed size: 892 k

**Is this ok [y/N]: y**

Downloading Packages:

```

(1/3): perl-GDGraph-1.44-7.el6.noarch.rpm
| 127 kB    00:00
(2/3): perl-Net-DNS-0.65-2.el6.i686.rpm
| 232 kB    00:02
(3/3): perl-Net-IP-1.25-13.el6.noarch.rpm
| 32 kB     00:00
  
```

```

-----
-----
Total
113 kB/s | 392 kB    00:03
  
```

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```
Running rpm_check_debug
Running Transaction Test
Transaction Test Succeeded
Running Transaction
  Installing      : 1:perl-GDGraph-1.44-7.el6.noarch
1/3
  Installing      : perl-Net-IP-1.25-13.el6.noarch
2/3
  Installing      : perl-Net-DNS-0.65-2.el6.i686
3/3

Installed:
  perl-GDGraph.noarch 1:1.44-7.el6                perl-Net-DNS.i686 0:0.65-
2.el6                perl-Net-IP.noarch 0:1.25-13.el6

Complete!
```

In this example Spreadsheet-ParseExcel and SNMP::Info are missing and not as package available. Setup will download them from CPAN and install them automatically.

### NOTE:

If you forgot to install “make” stop the script with CTRL C now, install “make” and run the script again. After the installation, “make” is not longer required by GestióIP and should be uninstalled.

### Where is MAKE binary [/usr/bin/make]?

OK, using MAKE /usr/bin/make

### ### Installing Spreadsheet-ParseExcel

Downloading Spreadsheet-ParseExcel-0.58.tar.gz from CPAN... OK  
Installation of Spreadsheet-ParseExcel-0.58.tar.gz SUCCESSFUL

### ### Installing SNMP-Info

Downloading SNMP-Info-2.01.tar.gz from CPAN... OK  
Installation of SNMP-Info-2.01.tar.gz SUCCESSFUL

SNMP::Info needs the Netdisco MIBs to be installed  
Setup can download MIB files (11MB) and install it under  
/usr/share/gestioip/mibs

If Netdisco MIBs are already installed on this server type "no" and specify path to MIBs via frontend Web (manage->GestioIP) after finishing the installation

### Do you wish that Setup installs required MIBs now [y]/n?

Downloading Netdisco MIBs (this may take several minutes)... OK  
Installation of Netdisco MIBs SUCCESSFUL

```
+-----+
| Checking for required Perl Modules...      |
+-----+
```

Checking for DBI PERL Module...  
Found that PERL module DBI is available.

Checking for DBD-mysql PERL module...  
Found that PERL module DBD-mysql is available.

Checking for Net::IP PERL module...  
Found that PERL module Net::IP is available.

Checking for Net::Ping::External PERL module...  
Found that PERL module Net::Ping::External is available.

Checking for Parallel::ForkManager PERL module...  
Found that PERL module Parallel::ForkManager is available.

Checking for SNMP PERL module...  
Found that PERL module SNMP is available.

Checking for SNMP::Info PERL module...  
Found that PERL module SNMP::Info is available.

Checking for Mail::Mailer PERL module...  
Found that PERL module Mail::Mailer is available.

Checking for Time::HiRes PERL module...  
Found that PERL module Time::HiRes is available.

Checking for Date::Calc PERL module...  
Found that PERL module Date::Calc is available.

Checking for Date::Manip PERL module...  
Found that PERL module Date::Manip is available.

Checking for Net::DNS PERL module...  
Found that PERL module Net::DNS is available.

Checking for Spreadsheet::ParseExcel PERL module...  
Found that PERL module Spreadsheet::ParseExcel is available.

Checking for OLE::Storage\_Lite PERL module...  
Found that PERL module OLE::Storage\_Lite is available.

Checking for GD::Graph::pie PERL module...  
Found that PERL module GD::Graph::pie is available.

Found all required Perl Modules for GestioIP - Good!

For the case that the Setup was *not* able to install all required modules, install the missing modules manually and execute the Setup again. If you think that this is an error of the Setup please report this to [contact@gestioip.net](mailto:contact@gestioip.net).

```
+-----+  
| Configuration of Apache Web Server... |  
+-----+
```

**Which is the Apache DocumentRoot directory [/var/www/html]?**

OK, using Apache DocumentRoot /var/www/html

**Where is htpasswd [/usr/bin/htpasswd]?**

OK, using htpasswd /usr/bin/htpasswd

Setup will ask now for the user which should be created for the HTTP Standard Authentication. You can change the authentication method after finishing the installation by editing GestióIP's Apache configuration file gestioip.conf. Sample configuration files for authentication against a MS AD, LDAP and KERBEROS are available from GestióIP's documentation page [http://www.gestioip.net/documentation\\_gestioip\\_en.html](http://www.gestioip.net/documentation_gestioip_en.html)

The rw-user (default: gipadmin) has access to all features of GestióIP.

**Which should be the read-write (rw) user [gipadmin]?**

OK, using rw user gipadmin

The Setup script does not create the user automatically. You need to open a second shell and create the user for HTTP Standard Authentication manually by executing the command "htpasswd" (see below).

```
+++++
Now open a new shell and execute the following
command LIKE ROOT to create the GestioIP apache user:
+++++
```

```
sudo /usr/bin/htpasswd -c /etc/httpd/users-gestioip gipadmin
```

After this press ENTER

```
rw user (gipadmin) successfully created
```

GestióIP comes with a couple of scripts e.g. for the automatic database initialization or the automatic update of networks and hosts. If the directory structure for these scripts should not be installed under the default path /usr/share/gestioip/ you can specify an alternative path in the following step.

**Under which directory should GestioIP's script files be installed [/usr/share/gestioip]?**

OK using script base directory /usr/share/gestioip

Only for Fedora/Redhat/CentOS: GestióIP requires updates in the default SELinux configuration. E.g. SELinux default configuration does not allow that the Apache HTTP server opens connections to a database. This function is required to run GestióIP. If you want to know how the policies

exactly will be updated, download and consult the type enforcement file for your distribution:  
Fedora/Redhat: [http://www.gestioip.net/docu/gestioip\\_fedora\\_redhat.te](http://www.gestioip.net/docu/gestioip_fedora_redhat.te)  
Centos: [http://www.gestioip.net/docu/gestioip\\_centos5.te](http://www.gestioip.net/docu/gestioip_centos5.te)

Note for Fedora/Redhat/CentOS Linux:

Some functions of GestioIP require an update of SELinux policy  
Setup can update SELinux policy automatically  
**Do you wish that Setup updates SELinux policy now [y]/n?**

Downloading Type Enforcement File from www.gestioip.net...OK  
Executing "check\_module"...OK  
Executing "semodule\_package"...OK  
Executing "semodule"...OK

**Note:** the execution of the command "semodule" takes some time

Update of SELinux policy SUCCESSFUL

Updating permissions of GestioIP's cgi-dir...SUCCESSFUL

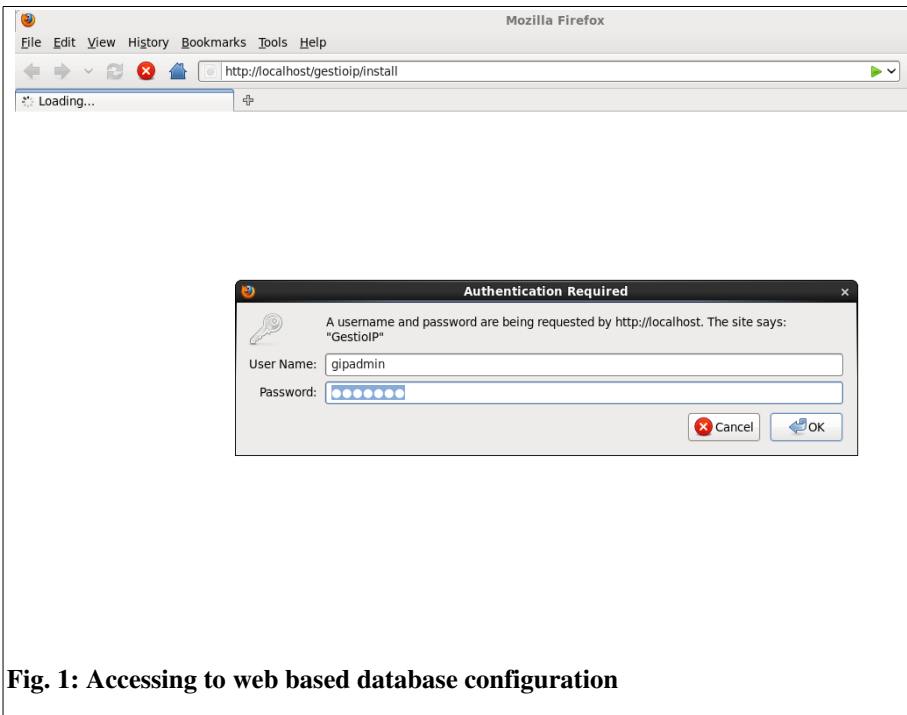
```
+-----+
|
|  Installation of GestioIP successfully finished!
|
|  Please, review /etc/httpd/conf.d/gestioip.conf
|          to ensure all is good and
|
|          RESTART Apache daemon!
|
|  Then, point your browser to
|
|  http://server/gestioip/install
|
|  to configure the database server.
|  Access with user "gipadmin" and the
|  the password which you created before
|
+-----+
```

Restart the Apache webserver (e.g. Ubuntu: `/etc/init.d/apache restart`) and access to the web-based database configuration by pointing your browser to <http://server/gestioip/install>.



## 4.2 Web based database configuration

Open a browser and access to “http://server/gestioip/install”. Replace “server” with the IP address or the DNS name of the server with the GestióIP installation. Access with the rw-user and the password which you created during the setup with the command “htpasswd” (default rw-user: gipadmin):



**Fig. 1: Accessing to web based database configuration**

After confirming the credentials by clicking “OK”, GestióIP's installation “Welcome” site will be displayed. Click “next” to proceed with database configuration.



**Fig. 2: Installation “Welcome” site**

Introduce the database configuration parameters and click “send”.

Note that if you running GestióIP and it's Mysql database on the same host, introduce “127.0.0.1” for both, “Web server address” and “Mysql server address”.

**GestióIP Installation**

Welcome

**Database creation**

Database configuration

Completion of installation

Web server address:  If the Web and the Mysql server are running on the same host enter here the loopback address (127.0.0.1). If no, enter here the IP or the DNS name of the Web server

Mysql server address:  If the Web- and the Mysql server are running on the same host enter here the loopback address (127.0.0.1). If no, enter here the IP or the DNS name of the Mysql server

Mysql port:

Mysql super user:

Mysql super user password:  \*Mysql super user\* and \*Mysql super user Password\* are only used during the installation and will not be stored

SID:

Mysql user:

Mysql user password:

retype Mysql user password:

**Fig. 3: Database parameter configuration**

Next page shows if the database was successfully created. Click “next page” to proceed.

**GestióIP Installation**

Welcome

**Database creation**

Database configuration

Completion of installation

connecting to the database...OK

creating the new database gestioip...OK

GRANT ALL ON gestioip.\* to gestioip@127.0.0.1 IDENTIFIED BY \*\*\*\*\*...OK

creating tables in the new database...OK

The Mysql database was successfully created

[next page](#)

**Fig. 4: Database creation confirmation screen**

Configure Sites and Categories. If your IT-Infrastructur is distributed over various locations introduce the locations into the text box “Sites”. This can be e.g. various campuses, data centers or buildings. You need to introduce at least one site. The network categories are thought to classify the networks. GestióIP proposes here some categories like prod for the production environment, pre for pre-production or dev for networks of the development environment. Modify the network categories to adapt them to your requirements. Host category are intended to classify hosts. Add as many additional host categories as you need.

Note: You can change all this values later easily via frontend web.

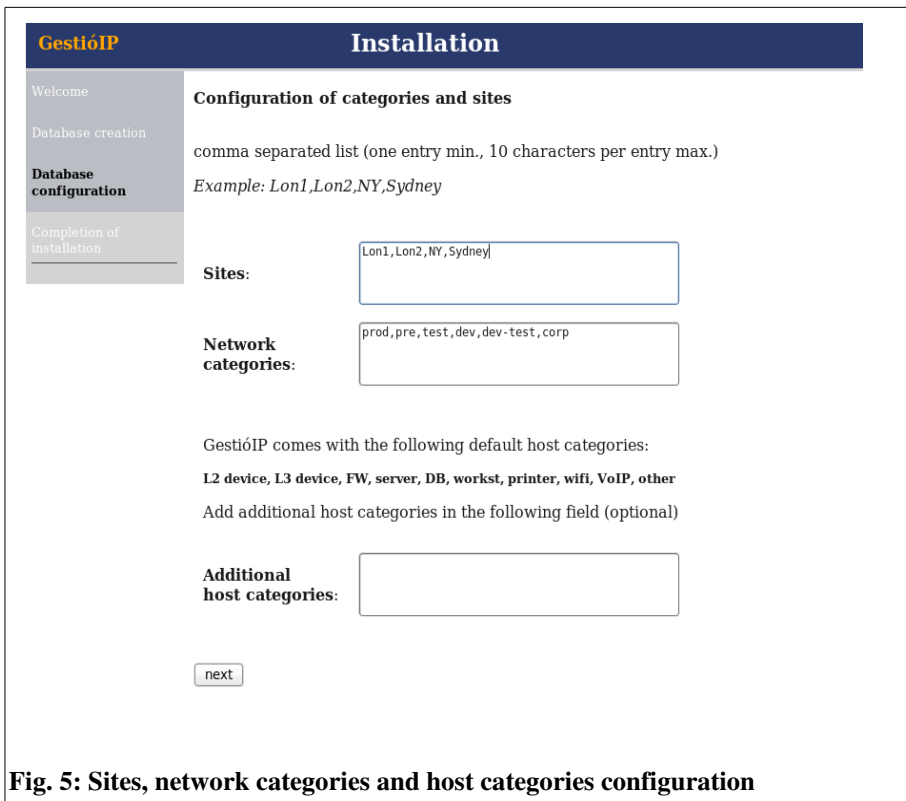


Fig. 5: Sites, network categories and host categories configuration

Next page shows if the sites and categories were successfully created. Click “next page” to proceed.

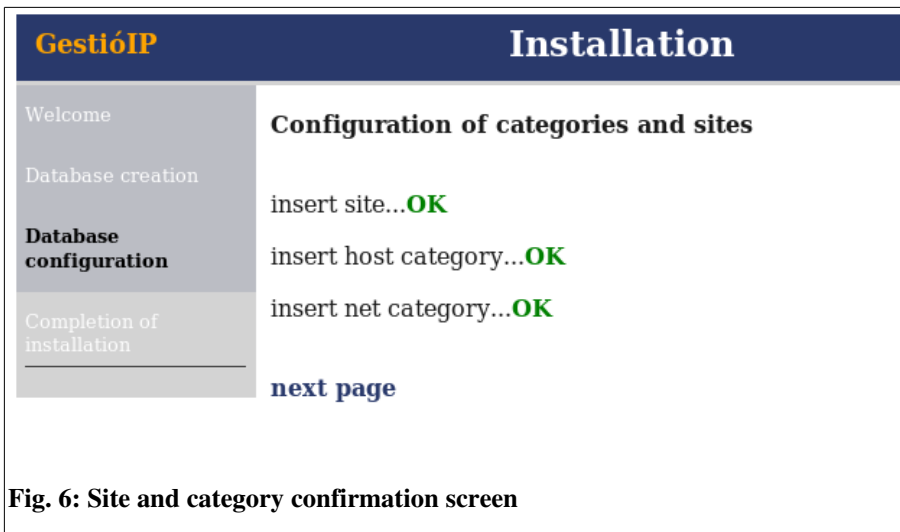
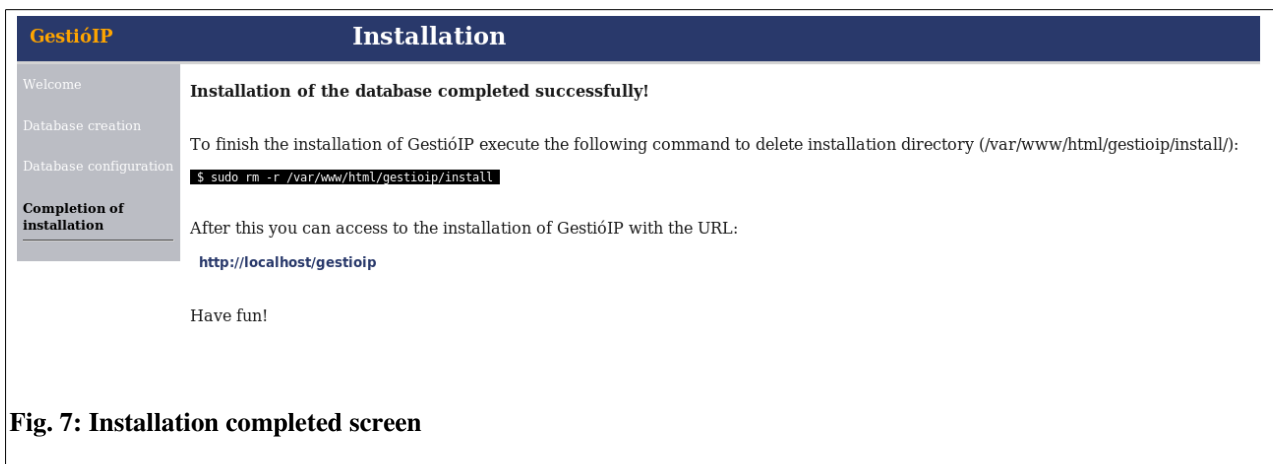


Fig. 6: Site and category confirmation screen

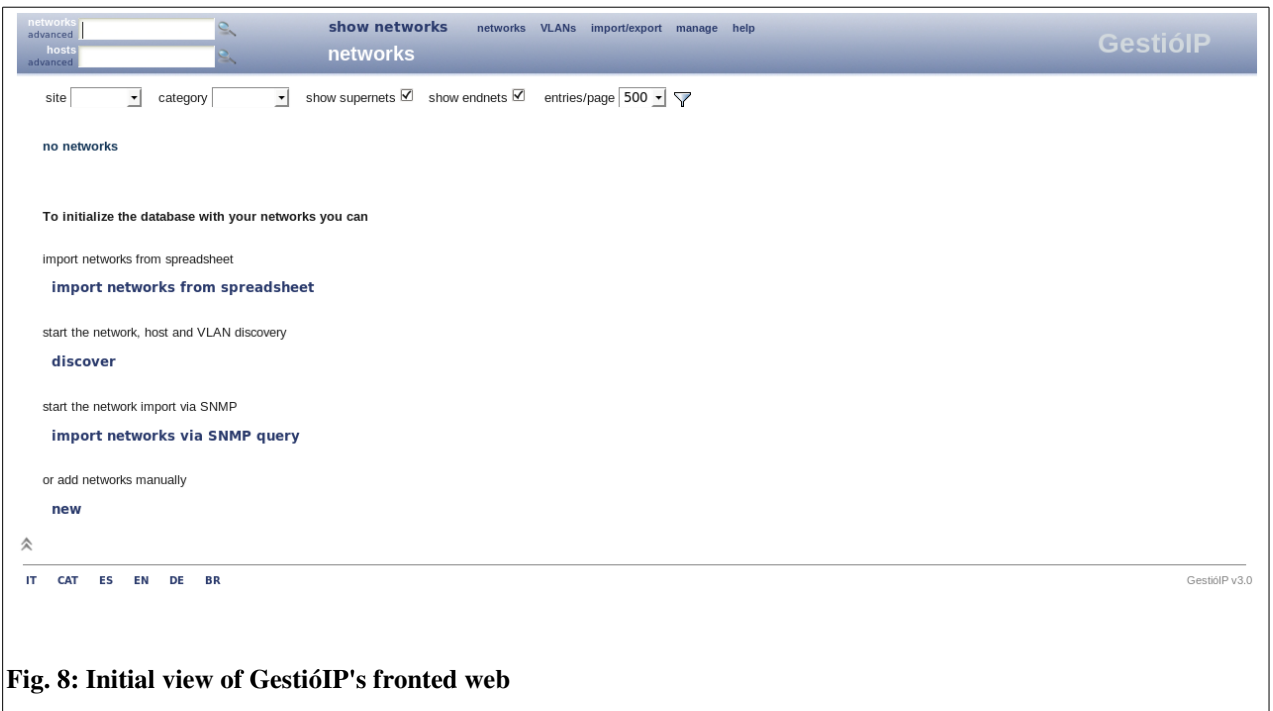
The following page informs if the installation has completed successfully.



**Fig. 7: Installation completed screen**

Delete the directory “install” ([DocumentRoot]/gestioip/install) manually and access to GestióIP by clicking the link <http://servername/gestioip>.

When you access first time to GestióIP, a site will be displayed, with gives some hints how to initialize the database with organizations networks, hosts and VLANs.



**Fig. 8: Initial view of GestióIP's fronted web**

## 5 Additional information

### GestióIP

GestióIP consists in Perl CGI scripts, which will be per default installed under Apaches [DocumentRoot]/gestioip as well as some actualization and discovery scripts which will be per default installed under /usr/share/gestioip.

### Apache web server

GestióIP's Apache configuration file (gestioip.conf) will be stored in the Include directory of the Apache Webserver (e.g. Ubuntu: /etc/apache/conf.d). The Apache users file (users-gestioip) will be stored in Apache configuration directory (e.g. Ubuntu: /etc/apache). Setup will only create this two files. It will not touch any other Apache configuration files.

### Mysql database

GestióIP supports local as well as remote Mysql databases.