



CENTREON SYSLOG FRONTEND MODULE

INSTALLATION MANUAL

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1. DESCRIPTION

The Centreon Syslog module consists of two parts :

- The server ,
- The presentation, or viewing the Syslog events .

The Centreon module, « centreon-syslog-frontend » not only allows you to view the syslog but it is also an interface to search and filter syslog events. Syslog events is saved into a database and this is managed by the module « centreon-syslog-server ».

This module cannot function without the installation of the first server module.

Only the SSH2 extension for PHP needs to be installed. Installation is described in the Appendixes for the various distro's : **Debian / Ubuntu** and **RedHat / CentOS**.

1.1. COMPATIBILITY WITH INTERNET BROWSERS

This module functions correctly on the following versions:

- Google Chrome : 6.0.472.55 ;
- Mozilla Firefox : 3.6.x & 4.x ;
- Microsoft Internet Explorer : 8.x & 9.x ;
- Apple Safari : 5.x .

Problems were identified for the previous versions of "Internet Explorer 8". This problems can stop refresh of "Monitoring" page. Moreover, problems can break configuration export to Syslog server from Centreon frontend on "Administration" page.

2. INSTALLATION

2.1. FIRST TIME INSTALLATION

The installation consists of two parts :

- Installation from the terminal shell ;
- Updating the Centreon topology from the Web interface .

2.1.1. INSTALLATION FROM THE TERMINAL SHELL

Download the latest version of the « Centreon-Syslog frontend » from the download page of forge site : http://forge.centreon.com/projects/list_files/centreon-syslog

Unzip the archive and move to the folder :

```
$> tar xzf centreon-syslog-frontend-1.4.1.tar.gz
$> cd centreon-syslog-frontend-1.4.1
```

Start the installation and accept the GPL v2 :

```
$> bash install.sh -i

Do you accept GPL license ?
[y/n], default to [n]:
> y
```

Answer the question by specifying the path to the directory « etc » in Centreon folder:

```
-----
Load parameters
-----
Please specify the directory with contain "instCentWeb.conf"
> /etc/centreon
```

The installation takes place and then a message tells you when it is completed :

```
-----
Install Syslog Module
-----
Setting right                                OK
Setting owner/group                         OK
Create module directory                     OK
Copying module                             OK
Delete temp install directory               OK

The Centreon Module Syslog.1.4.1 installation is finished OK
See README and the log file for more details.
```

2.1.2. UPDATING THE CENTREON TOPOLOGY FROM THE WEB INTERFACE

Go to the web interface in Centreon then to the menu « Administration → Modules → Module » :

A line should reference the Syslog module but it is not installed. To complete the installation, click the icon located right on the line as shown by the red box :

Home | Monitoring | Views | Reporting | Configuration | Administration

Options | Modules | ACL | Logs | Databases | Sessions | Server Status | About

» Modules


Setup

» Connected

admin

» Administration » Modules

2009/07/22 18:04

Name	Real name	Informations	Release	Author	Installed	Actions
Syslog	Syslog Module	Syslog viewer for Centreon Syslog server.	1.2	Syslog team for Centreon 2.0 compatibility	No	

Additional information of the module will appear. Click on « Install Module » to add it to the menus :

Home | Monitoring | Views | Reporting | Configuration | Administration

Options | Modules | ACL | Logs | Databases | Sessions | Server Status | About

Administration > Modules2009/07/22 18:04

Module Information

Real name	Syslog Module
Release	1.2
Author	Syslog team for Centreon 2.0 compatibility
Additional Information	Syslog viewer for Centreon Syslog server.

Syslog Module for Centreon 2.x

Customize your options in 'Administration > Modules > Syslog configuration'.

Please see Wiki for more informations
<http://forge.centreon.com/projects/show/centreon-syslog>

Enjoy ! ;-)

Install ModuleBack

The Syslog module is now installed. Click « Back » button to return to the configuration modules :

Home

Monitoring

Views

Reporting

Configuration

Administration

Options

Modules

ACL

Logs

Databases

Sessions

Server Status

About

>> Modules

Setup

>> Connected

admin

Administration > Modules

2009/07/22 18:05

Module Information

Real name

Syslog Module

Release

1.2

Author

Syslog team for Centreon 2.0 compatibility

Additional Information

Syslog viewer for Centreon Syslog server.

Syslog Module for Centreon 2.x

Customize your options in 'Administration > Modules > Syslog configuration'.

Please see Wiki for more informations

<http://forge.centreon.com/projects/show/centreon-syslog>

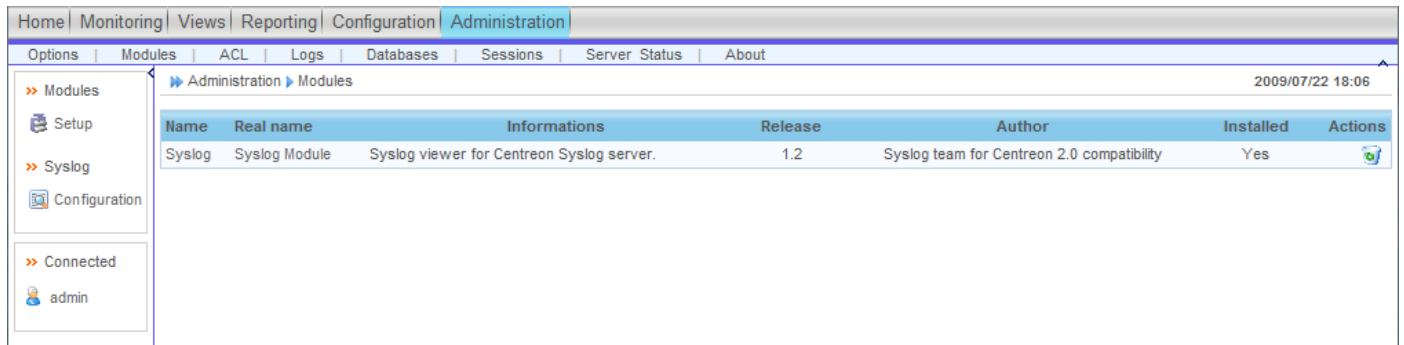
Enjoy ! ;-)

Module installed and registered

SQL file included

Back

The module is now installed :



The screenshot shows the Centreon Administration web interface. The top navigation bar includes Home, Monitoring, Views, Reporting, Configuration, and Administration (selected). Below this, a sub-menu shows Options, Modules, ACL, Logs, Databases, Sessions, Server Status, and About. The left sidebar contains a tree view with Modules (selected), Setup, Syslog, Configuration, and Connected. The main content area displays the 'Administration > Modules' page with a table of installed modules. The table has columns: Name, Real name, Informations, Release, Author, Installed, and Actions. One module is listed: Syslog, Syslog Module, Syslog viewer for Centreon Syslog server., 1.2, Syslog team for Centreon 2.0 compatibility, Yes.

Name	Real name	Informations	Release	Author	Installed	Actions
Syslog	Syslog Module	Syslog viewer for Centreon Syslog server.	1.2	Syslog team for Centreon 2.0 compatibility	Yes	

A new menu was created. On the same page you will administer the Syslog module. For more information on administration please refer to the manual.

The syslog event interface and the search page are in the menu « Monitoring → Syslog ». For more information about using the display and search page please refer to the operations manual.

2.2. UPGRADING A PREVIOUS VERSION

The update consists of two parts :

- Installation from terminal Shell ;
- Database update form Centreon web interface .

2.2.1. INSTALLATION FROM THE TERMINAL SHELL

Download the latest version of the « Centreon-Syslog frontend » from the download page of forge site : <http://forge.centreon.com>.

Unzip the archive and move to the folder :

```
$> tar xzf centreon-syslog-frontend-1.4.1.tgz
$> cd centreon-syslog-frontend-1.4.1
```

Start the installation and accept the GPL v2 :

```
$> bash install.sh -u /etc/centreon

Do you accept GPL license ?
[y/n], default to [n]:
> y
```

Where « /etc/centreon » is the directory containing the file « instCentWeb.conf ».

The installation takes place and then a message indicating the end of the installation :

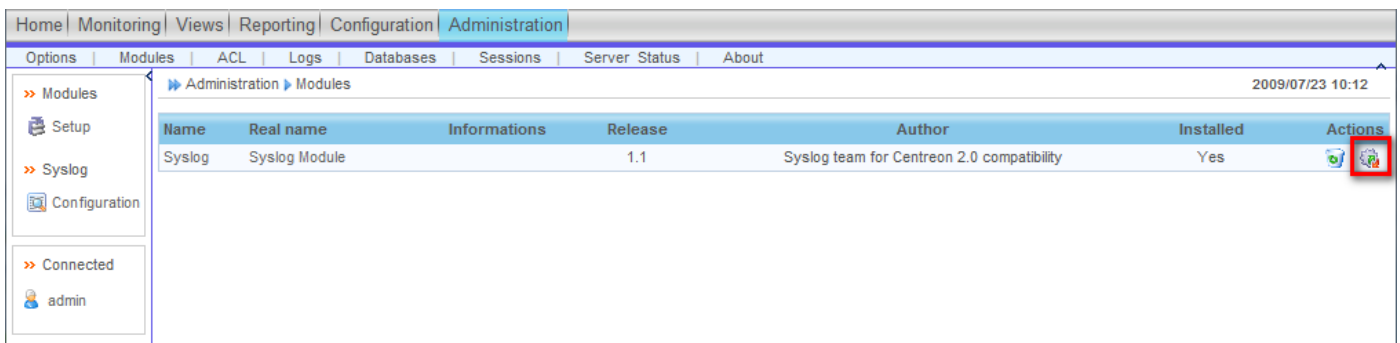
```
-----
Install Syslog Module
-----
Setting right                      OK
Setting owner/group                OK
Create module directory            OK
Copying module                     OK
Delete temp install directory      OK

The Centreon Module Syslog.1.4.1 installation is finished OK
See README and the log file for more details.
```


2.2.2. COMPLETING THE INSTALLATION OF THE CENTREON INTERFACE

Go to interface Centreon then in the menu « Administration → Modules → Module » :

A line should reference the Syslog module but it is not installed. To complete the installation, click the icon located right on the line as shown by the red box :

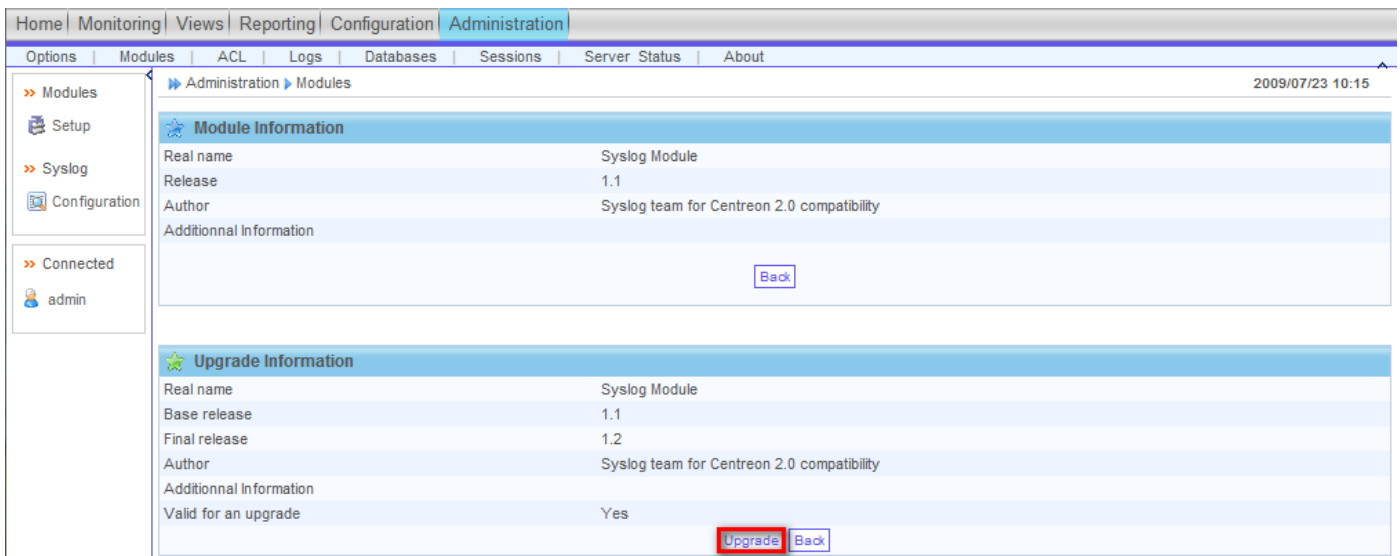


The screenshot shows the Centreon Administration interface. The top navigation bar includes Home, Monitoring, Views, Reporting, Configuration, and Administration (selected). Below this is a sub-navigation bar with Options, Modules, ACL, Logs, Databases, Sessions, Server Status, and About. The left sidebar shows a tree structure with Modules selected. The main content area displays a table of modules. The Syslog module is listed with the following details:

Name	Real name	Informations	Release	Author	Installed	Actions
Syslog	Syslog Module		1.1	Syslog team for Centreon 2.0 compatibility	Yes	

The upgrade icon in the Actions column is highlighted with a red box.

The information module will appear. Click on « Upgrade » to add the menus in Centreon interface :



The screenshot shows the Centreon Administration interface with the Module Information page for the Syslog module. The top navigation bar and sub-navigation bar are the same as in the previous screenshot. The left sidebar shows the Modules tree. The main content area displays the following information:

Module Information

Real name	Syslog Module
Release	1.1
Author	Syslog team for Centreon 2.0 compatibility
Additional Information	

Below the Module Information section is a [Back](#) button.

Upgrade Information

Real name	Syslog Module
Base release	1.1
Final release	1.2
Author	Syslog team for Centreon 2.0 compatibility
Additional Information	
Valid for an upgrade	Yes

At the bottom of the Upgrade Information section, there is an [Upgrade](#) button (highlighted with a red box) and a [Back](#) button.

The Syslog module is now installed. Click « Back » button to return to the configuration modules :

The screenshot shows the 'Administration' tab in the Centreon interface. The left sidebar contains 'Modules', 'Setup', 'Syslog', 'Configuration', 'Connected', and 'admin'. The main content area is titled 'Administration > Modules' with a timestamp of 2009/07/23 10:16. It displays two sections: 'Module Information' and 'Upgrade Information'. Both sections show details for the 'Syslog Module' (Release 1.2, Author: Syslog team for Centreon 2.0 compatibility). Each section has a 'Back' button at the bottom right.

Module Information	
Real name	Syslog Module
Release	1.2
Author	Syslog team for Centreon 2.0 compatibility
Additional Information	

Back

Upgrade Information	
Real name	Syslog Module
Base release	1.1
Final release	1.2
Author	Syslog team for Centreon 2.0 compatibility
Additional Information	
Valid for an upgrade	Yes

Back

The module is now installed :

The screenshot shows the 'Administration' tab in the Centreon interface. The left sidebar is the same as the previous screenshot. The main content area is titled 'Administration > Modules' with a timestamp of 2009/07/22 18:06. It displays a table of installed modules.

Name	Real name	Informations	Release	Author	Installed	Actions
Syslog	Syslog Module	Syslog viewer for Centreon Syslog server.	1.2	Syslog team for Centreon 2.0 compatibility	Yes	

A new menu was created. On the same page you will administer the Syslog module. For more information on administration please refer to the manual.

The syslog event interface and the search page are in the menu « Monitoring → Syslog ». For more information about using the display and search page please refer to the operations manual.

3. APPENDIXES

3.1.1. INSTALLATION OF SSH2 FOR DEBIAN / UBUNTU

3.1.2. PREREQUISITE

Here is the list of packages to be pre-installed :

- php5-dev
- openssl
- libssl-dev
- gcc
- make

Also, update the packages :

```
$> apt-get update
$> apt-get upgrade
```

3.1.3. CREATE THE WORKING DIRECTORIES

Create The Working Directories :

```
$> cd /tmp
$> mkdir libssh2
$> cd libssh2
```

Download the packages :

```
$> wget http://www.libssh2.org/download/libssh2-1.2.1.tar.gz
$> wget http://pecl.php.net/get/ssh2-0.11.0.tgz
```

3.1.4. INSTALLATION OF LIBSSH2

```
$> tar -xzvf libssh2-1.2.1.tar.gz
$> cd libssh2-1.2.1
$> ./configure && make all install
```

3.1.5. INSTALLATION OF SSH2

```
$> tar -xzvf ssh2-0.11.0.tgz
$> cd ssh2-0.11.0
$> phpize && ./configure --with-ssh2 && make
```

This library does not install directly. We have compiled ssh2.so and then it has to be copied in the directory for the PHP extensions. This directory can be different depending on your Linux distribution and PHP build :

```
$> cp modules/ssh2.so /usr/lib/php5/20060613+lfs
```

Notice : if your version of PHP is 5.3 you can have a bug describe here <http://pecl.php.net/bugs/bug.php?id=16727>

3.1.6. INTEGRATION OF THE EXTENSION SSH INTO APACHE

```
$> echo "extension=ssh2.so" > /etc/php5/cli/conf.d/ssh2.ini
$> echo "extension=ssh2.so" > /etc/php5/apache2/conf.d/ssh2.ini
```

Then restart Apache to take into account the change :

```
$> /etc/init.d/apache2 restart
```

To control if SSH2 library is correctly installed you can run the following command :

```
$> php -i |grep ssh
Registered PHP Streams => php, file, http, ftp, compress.bzip2, compress.zlib, https, ftps, ssh2.shell,
ssh2.exec, ssh2.tunnel, ssh2.scp, ssh2.sftp
ssh2
libssh2 version => 1.1
banner => SSH-2.0-libssh2_1.1
```

3.1.7. INSTALLATION OF SSH2 FOR REDHAT/CENTOS/FEDORA

3.1.8. PREREQUISITE

Here is the list of packages to be pre-installed :

- php5-dev
- php-devel
- openssl
- openssl-devel
- libssl-dev
- gcc
- make

Update your packages :

```
$> yum update
$> yum upgrade
```

3.1.9. CREATE THE WORKING DIRECTORIES

Create The Working Directories :

```
$> cd /tmp
$> mkdir libssh2
$> cd libssh2
```

Download the packages :

```
$> wget http://www.libssh2.org/download/libssh2-1.2.1.tar.gz
$> wget http://pecl.php.net/get/ssh2-0.11.0.tgz
```

3.1.10. INSTALLATION OF LIBSSH2

```
$> tar -xzvf libssh2-1.2.1.tar.gz
$> cd libssh2-1.2.1
$> ./configure && make all install
```

3.1.11. INSTALLATION OF SSH2

```
$> tar xzf ssh2-0.11.0.tgz
$> cd ssh2-0.11.0
$> phpize && ./configure --with-ssh2 && make
```

This library does not install directly. We have compiled ssh2.so and then it has to be copied in the directory for the PHP extensions. This directory can be different depending on your Linux distribution :

```
$> cd modules
```

In a 32 bits architecture :

```
$> cp -R ssh2.so /usr/lib/php/modules
```

In a 64 bits architecture :

```
$> cp -R ssh2.so /usr/lib64/php/modules
```

3.1.12. INTEGRATION OF THE EXTENSION SSH INTO APACHE

```
$> echo "extension=ssh2.so" >> /etc/php.ini
```

Then restart Apache to take into account the change :

```
$> /etc/init.d/httpd restart
```

To control if SSH2 library is correctly installed you can run the following command :

```
$> php -i |grep ssh
Registered PHP Streams => php, file, http, ftp, compress.bzip2, compress.zlib, https, ftps, ssh2.shell,
ssh2.exec, ssh2.tunnel, ssh2.scp, ssh2.sftp
ssh2
libssh2 version => 1.1
banner => SSH-2.0-libssh2_1.1
```