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Quick Installation Guide

CereusReporting - Corporate Edition

Version 3.01

1.1   About CereusReporting

CereusReporting is a plugin designed to enhance the reporting functionality of the Cacti Network Monitoring solution. CereusReporting adds PDF and HTML report generation as well as email and report scheduling functionality of Cacti.

CereusReporting comes in 3 different editions: The Standard Edition with limited functionality but can be enhanced with unlocking additional modules and the Professional and Business Edition with support for DSStats, Scheduling, Availability reports and other features.

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2.1   System Requirements

- Cacti has been installed using the cacti autoinstall script (http://forums.cacti.net/viewtopic.php?t=38633)
- DSStats Plugin *only needed for DSStats addon*
- memory_limit = 32M *php.ini - 64M is recommended*
- max_execution_time = 60 *php.ini - 120 is recommended*
- error_log = syslog *php.ini - for troubleshooting purposes*
- allow_url_fopen = on *php.ini - required for nmidSmokeping support*

2.2   Additional Plugins

There are several addons available which provide enhanced functionality to CereusReporting.
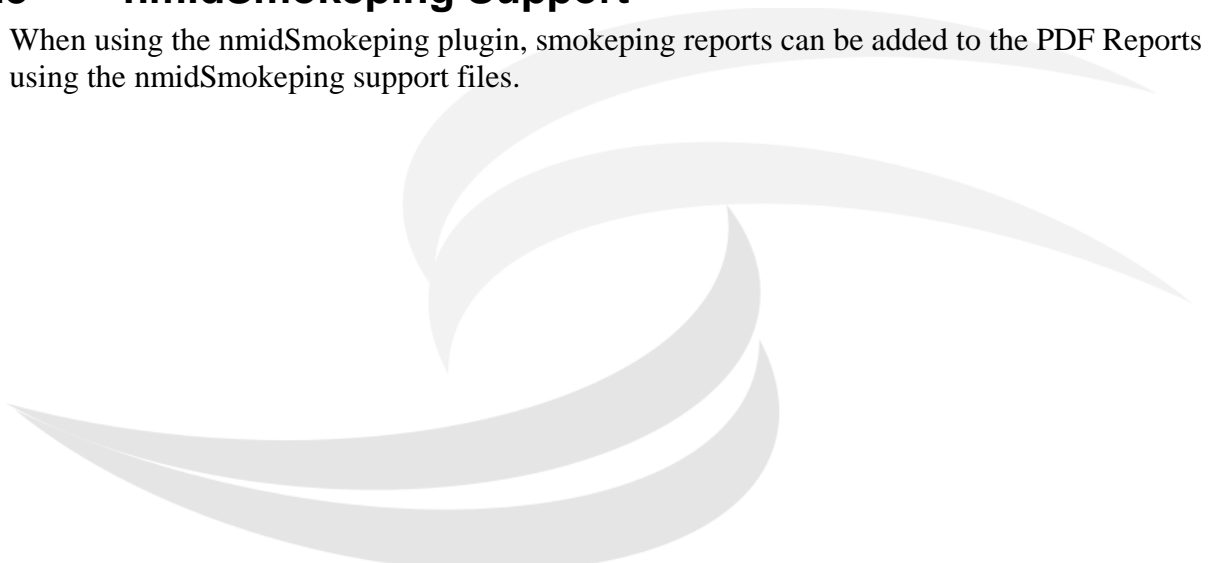
2.2.1   TCPDF Report Engine

The TCPDF Report Engine is the new default report engine for CereusReporting..

2.2.2   DSStats Reports

The DSStats Reports provide some basic Top 10 like reports in addition to the existing RRD Graphics. There are some reports included and others can be added by request.

2.2.3   nmidSmokeping Support

When using the nmidSmokeping plugin, smokeping reports can be added to the PDF Reports using the nmidSmokeping support files.

2.3 Download

Additional Plugins (optional):

- http://blog.network-outsourcing.de/wp-content/uploads/CereusReportingFiles/getSmokePingPath_linux.tgz

- http://blog.network-outsourcing.de/wp-content/uploads/CereusReportingFiles/getSmokePingPath_windows.zip

2.4   Setup for Centos 6/7 + cacti 1.x.x

> 1   Please note: You will need a valid v3 license key in order to use the plugin. Please do not install it without a key.

Request a trial license for the Professional/Business Edition:

> 🖉   Request a trial for the Professional/Business Single Server Edition

2.4.1   Installation - Centos 6 - 32bit

Check your PHP Version:

```
1    php -v | head -n 1 | awk '{ print $2 }' | awk -F. '{ print $1"."$2 }'
```

Installation of the IonCube loader:

```
1    cd /tmp
2    wget http://downloads2.ioncube.com/loader_downloads/ioncube_loaders_lin_x86.tar.gz
3    tar -xzvf ioncube_loaders_lin_x86.tar.gz
4    cp ioncube/ioncube_loader_lin_5.4.so /usr/lib/php/modules/
5    echo "zend_extension=/usr/lib/php/modules/ioncube_loader_lin_5.4.so" > /etc/php.d/ioncube.ini
6    rm -rf /tmp/ioncube
7    rm /tmp/ioncube_loaders_lin_x86.tar.gz
8    systemctl restart httpd
```

Main plugin installation:

```
1    cd /tmp
2    wget -O cereusreporting-3.01.run 'https://www.urban-software.com/?ddownload=2807'
3    chmod +x cereusreporting-3.01.run
4    ./cereusreporting-3.01.run
5    ----------------------------------------------------------------------
6    Welcome to the CereusReporting Setup Wizard.
7
8    ----------------------------------------------------------------------
9    Please read the following License Agreement. You must accept the terms of this
10   agreement before continuing with the installation.
11
12   Press [Enter] to continue:
13   Do you accept this license? [y/n]: y
14
15   ----------------------------------------------------------------------
16   Please specify the directory where CereusReporting will be installed.
17
18   Installation Directory [/var/www/html/cacti-1.1.25/plugins]: /var/www/html/cacti/plugins
19
20   ----------------------------------------------------------------------
21   Select the components you want to install; clear the components you do not want
22   to install. Click Next when you are ready to continue.
23
24   Default Component : Y (Cannot be edited)
25
26   Is the selection above correct? [Y/n]: y
27   ----------------------------------------------------------------------
28   WebServer Username
29
30   Please enter the webserver username. Defaults to "apache" [apache]: apache
31
32   ----------------------------------------------------------------------
33   Setup is now ready to begin installing CereusReporting on your computer.
34
35   Do you want to continue? [Y/n]: y
36
37   ----------------------------------------------------------------------
38   Please wait while Setup installs CereusReporting on your computer.
39
40    Installing
41    0% _____ 50% _____ 100%
42    #########################################
43
44   ----------------------------------------------------------------------
45   Setup has finished installing CereusReporting on your computer.
```

Installation of the ChartDirector PHP module

```
1    cd /tmp
2    wget http://download2.advsofteng.com/chartdir_php_linux.tar.gz
3    tar -xzvf chartdir_php_linux.tar.gz
4    cd ChartDirector/lib/
5    cp -R fonts/ /usr/lib/php/modules/
6    cp phpchartdir540.dll /usr/lib/php/modules/
7    cp libchartdir.so /usr/lib/php/modules/
8    echo "extension=phpchartdir540.dll" > /etc/php.d/chartdirector.ini
9    cd /tmp
10   rm -rf /tmp/ChartDirector/
11   rm /tmp/chartdir_php_linux.tar.gz
```

2.4.2 Installation - Centos 6/7 - 64bit

Check your PHP Version:

```
1   php -v | head -n 1 | awk '{ print $2 }' | awk -F. '{ print $1"."$2 }'
```

Installation of the IonCube loader:

```
1   cd /tmp
2   wget http://downloads2.ioncube.com/loader_downloads/ioncube_loaders_lin_x86-64.tar.gz
3   tar -xzvf ioncube_loaders_lin_x86-64.tar.gz
4   cp ioncube/ioncube_loader_lin_5.4.so /usr/lib64/php/modules
5   echo "zend_extension=/usr/lib64/php/modules/ioncube_loader_lin_5.4.so" > /etc/php.d/ioncube.ini
6   rm -rf /tmp/ioncube
7   rm /tmp/ioncube_loaders_lin_x86-64.tar.gz
8   systemctl restart httpd
```

Main plugin installation:

```
1   cd /tmp
2   wget -O cereusreporting-3.01-64.run 'https://www.urban-software.com/?ddownload=2808'
3   chmod +x cereusreporting-3.01-64.run
4   ./cereusreporting-3.01-64.run
5   ----------------------------------------------------------------------
6   Welcome to the CereusReporting Setup Wizard.
7
8   ----------------------------------------------------------------------
9   Please read the following License Agreement. You must accept the terms of this
10  agreement before continuing with the installation.
11
12  Press [Enter] to continue:
13  Do you accept this license? [y/n]: y
14
15  ----------------------------------------------------------------------
16  Please specify the directory where CereusReporting will be installed.
17
18  Installation Directory [/var/www/html/cacti-1.1.25/plugins]: /var/www/html/cacti/plugins
19
20  ----------------------------------------------------------------------
21  Select the components you want to install; clear the components you do not want
22  to install. Click Next when you are ready to continue.
23
24  Default Component : Y (Cannot be edited)
25
26  Is the selection above correct? [Y/n]: y
27  ----------------------------------------------------------------------
28  WebServer Username
29
30  Please enter the webserver username. Defaults to "apache" [apache]: apache
31
32  ----------------------------------------------------------------------
33  Setup is now ready to begin installing CereusReporting on your computer.
34
35  Do you want to continue? [Y/n]: y
36
37  ----------------------------------------------------------------------
38  Please wait while Setup installs CereusReporting on your computer.
39
40   Installing
41   0% _____ 50% _____ 100%
42   #########################################
43
44  ----------------------------------------------------------------------
45  Setup has finished installing CereusReporting on your computer.
```

Installation of the ChartDirector PHP module

```
1   cd /tmp
2   wget http://download2.advsofteng.com/chartdir_php_linux_64.tar.gz
3   tar -xzvf chartdir_php_linux_64.tar.gz
4   cd ChartDirector/lib/
5   cp -R fonts/ /usr/lib64/php/modules
6   cp phpchartdir540.dll /usr/lib64/php/modules
7   cp libchartdir.so /usr/lib64/php/modules
8   echo "extension=phpchartdir540.dll" > /etc/php.d/chartdirector.ini
9   cd /tmp
10  rm -rf /tmp/ChartDirector/
11  rm /tmp/chartdir_php_linux_64.tar.gz
```

2.4.3 Protecting the license file:

InThe license file should be protected for being downloaded by a remote user. This can be done using a .htaccess file, or directly in the httpd.conf file. The following entries need to be placed in there:

```
1    # File: /etc/httpd/conf.d/ioncube.conf
2    #
3    # The following lines prevent IonCube license files from being
4    # downloaded by Web clients.
5    #
6    <Files ~ "license.txt">
7        Order allow,deny
8        Deny from all
9    </Files>
```

Reload Apache:

```
1    systemctl restart httpd
```

2.4.4 Setup the CronJob

It is recommended to use a cronjob instead of the poller based report generation. The following is going to setup a cronjob running once every minute.

As root, run the following command all in one line:

```
1    echo '*/1 * * * * cacti /usr/bin/php /var/www/html/cacti/plugins/CereusReporting/cron_pdf_scheduler.php >
     /dev/null 2>&1' >> /etc/cron.d/reportScheduler
```

2.5 Setup / Configuration

The following steps will guide you through the setup and configuration procedures for the CereusReporting Standard and Professional/Business Editions.

Step 1: Logon to your cacti web-interface as an administrator

Step 2: Go to the "Plugin Management" page:

Step 3: Click on the "Install" link for the CereusReporting plugin

Step 4: Click on the "Enable" link for the CereusReporting plugin

Step 5: Click on the "Install" link for the settings plugin

Step 6: Click on the "Enable" link for the settings plugin

This will install and enable the CereusReporting Standard and/or Professional/Business Edition for your cacti installation.

Now edit your user by going to the "Permissions" tab of the "User Management" page. You can now set the following options for the CereusReporting plugin. Not all functionality will be available for the Standard Edition:
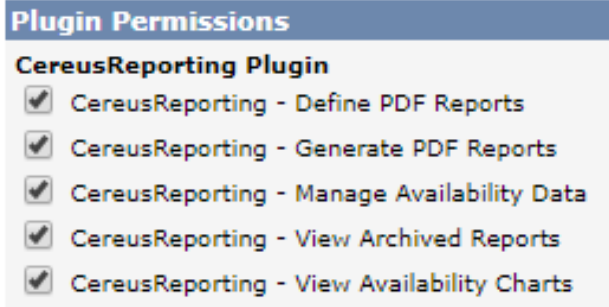
- Plugin -> CereusReporting - Define PDF Reports
- Plugin -> CereusReporting - Generate PDF Reports
- Plugin -> CereusReporting - Manage Availability Data
- Plugin -> CereusReporting - View Archived Reports
- Plugin -> CereusReporting - View Availability Charts

Select all options as shown in the screenshot in order to test the installation. After saving these settings, there should be a new menu showing up in the admin console named "CereusReporting" with the following items:

- Manage Reports
- Manage Templates
- Import PDF Files
- Manage Archive
- Manage Report Schedule
- Manage Availability
- Backup/Restore
- Debug Info

☞ You should go to the "Debug Info" and check if all modules are installed and all tables and hooks have been registered correctly

2.5.1　　Basic Configuration

Now go to:

Console -> Configuration -> Settings -> CereusReporting
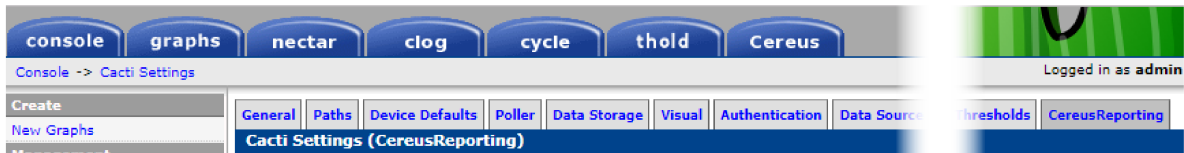
Use the following settings:

The Installation of the CereusReporting Corporate and Express Edition plugin is now complete.

2.6 Initial Test

Go to the Graphs tab. You should see a new section for your graphs (in Tree View / Dual Pane mode only):

Go to any host and click on the little Icon to the right. You should now be presented with a PDF file containing some graphs.

3.1 Email Support

Please use the following email addresses

Support: https://support.urban-software.com

Sales Inquiries: requests@urban-software.de

Support Email: support@urban-software.de

3.2 Community / Forum support

Please use the topic in the Cacti community forum for community support.

http://forums.cacti.net/viewtopic.php?t=30192

3.3 FAQ

https://www.urban-software.com/support/

3.4 Phone Support

Phone support is available only for valid support contracts.

3.5 Mailing List

Please join the Cereus Plugins mailing list for latest news and community support:

n/a