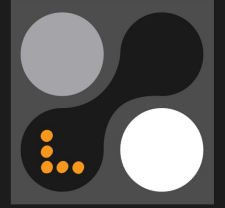


Quick Installation Guide

nmidCreatePDF - Corporate Edition



Version 1.01

- Unicode Support
- DSSStats Support
- Reporting Engine Enhancements
- Support Options
- Guides for CactiEZ, Ubuntu 9.10



1 Introduction

1.1 About nmidCreatePDF

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

nmidCreatePDF comes in 3 different editions: The Free Edition with limited functionality, a Professional Edition with added features and the Corporate Edition with support for DSStats, Scheduling and other features.

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2 Installation

2.1 System Requirements

- PIA 2.x
- minimum [cacti 0.8.7b](#)
- lib/html_tree.php replacement for 0.8.7b, 0.8.7c, 0.8.7d, 0.8.7e or 0.8.7g
- tree.php replacement for 0.8.7b, 0.8.7c, 0.8.7d, 0.8.7e or 0.8.7g
- graph.php replacement for 0.8.7b, 0.8.7c, 0.8.7d, 0.8.7e or 0.8.7g (mrtg style reports)
- [nmidWebService](#) (bundled with the .tgz file since v0.2) *only needed for [nmidSmokeping](#) addon*
- latest ioncube loaders from www.ioncube.com
- GD support for PHP (php-gd)
- ZIP support for PHP (php-zip) *only needed for HTML report capability*
- Settings plugin *Version 0.6*
- ChartDirector *only needed for DSStats and Availability Charts addon*
- DSStats Plugin *only needed for DSStats addon*
- mbstring functions (php-mbstring) enabled *only needed for mPDF Report Engine*
- 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*
- safe_mode = Off *php.ini*

2.2 Additional Plugins

There are several addons available which provide enhanced functionality to nmidCreatePDF.

2.2.1 mPDF Report Engine

The mPDF Report Engine can be installed additionally to the already included FPDF engine. mPDF provides more features than the FPDF engine, but provided less performance.

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

The following files are required for the nmidCreatePDF Corporate edition:

Main Plugin File:

- http://redmine.nmid-plugins.de/attachments/download/265/nmidCreatePDF_v1.01_RC5_ioncube_Build_61_full.tgz
- http://redmine.nmid-plugins.de/attachments/download/266/nmidCreatePDF_v1.01_RC5_ioncube_Build_61_full.zip

Depending on the operating system:

- http://redmine.nmid-plugins.de/attachments/download/233/parallelGraphRetriever_win32bit.zip
- http://redmine.nmid-plugins.de/attachments/download/234/parallelGraphRetriever_win64bit.zip
- http://redmine.nmid-plugins.de/attachments/download/231/parallelGraphRetriever_linux32bit.zip
- http://redmine.nmid-plugins.de/attachments/download/232/parallelGraphRetriever_linux64bit.zip

Latest IXED loader:

- <http://www.sourceguardian.com/ixeds/>

Modified Cacti Files (for Cacti 0.8.7g):

- http://redmine.nmid-plugins.de/attachments/download/223/v03_graph_087g.tgz
- http://redmine.nmid-plugins.de/attachments/download/225/v03_tree_087g.tgz
- http://redmine.nmid-plugins.de/attachments/download/224/v05_html_tree_087g.tgz

Reporting Engines (optional):

- http://www.network-outsourcing.de/uploads/fpdf_ReportEngine.tgz
- http://redmine.nmid-plugins.de/attachments/download/235/mpdf_ReportEngine_unicode_45.tgz

Additional Plugins (optional):

- http://redmine.nmid-plugins.de/attachments/download/23/getSmokePingPath_linux.tgz
- http://redmine.nmid-plugins.de/attachments/download/22/getSmokePingPath_windows.zip

Additional Libraries (for DSStats reports):

- ChartDirector for PHP: <http://www.advsofteng.com/download.html>



2.4 Setup for CactiEz (CentOS 4 + cacti 0.8.7e)

Warning: The plugin will not work unless a valid trial or full license is installed. A blank page will be displayed when trying to login to cacti. Please request a trial license or buy the full version before proceeding with the installation.

Request a trial license for the Corporate Edition:



[Request a 30day trial for Corporate Edition](#)

Request a trial license for the Corporate Single Server Edition:



[Request a trial for the Corporate Single Server Edition](#)

Buy a license:



[Buy a license from Share It](#)

2.4.1 Installation

Installing additional php modules for CactiEz:

```
yum install php-gd php-mbstring
```

IonCube loader installation:

```
cd /tmp
wget http://downloads2.ioncube.com/loader_downloads/ioncube_loaders_lin_x86.tar.gz
tar -xzvf ioncube_loaders_lin_x86.tar.gz
cp ioncube/ioncube_loader_lin_5.1.so /usr/lib/php/modules/
```



The PHP version is displayed by using the "php -v" command.

Edit/Create the file /etc/php.d/aaa_ioncube.ini

```
; Enable IonCube extension module
zend_extension=/usr/lib/php/modules/ioncube_loader_lin_5.1.so
```

Restart the HTTP server:

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

Main plugin installation:

```
cd /var/www/html/cacti/plugins/
wget http://redmine.nmid-plugins.de/attachments/download/265/nmidCreatePDF_v1.01_RC5_ioncube_Build_61_full.tgz
tar -xzvfp nmidCreatePDF_v1.01_RC5_ioncube_Build_61_full.tgz
chown apache.cacti nmid*
wget http://redmine.nmid-plugins.de/attachments/download/231/parallelGraphRetriever_linux32bit.zip
unzip parallelGraphRetriever_linux32bit.zip
chmod +x parallelGraphRetriever
chown apache.cacti parallelGraphRetriever
```

Additional Cacti files:

```
cd /var/www/html/cacti/
wget http://redmine.nmid-plugins.de/attachments/download/181/v03_graph_087e.tgz
wget http://redmine.nmid-plugins.de/attachments/download/80/v03_tree_087e.tgz
```



```
wget http://redmine.nmid-plugins.de/attachments/download/171/v05_html_tree_087e.tgz
tar -xvzvpf v03_graph_087e.tgz
tar -xvzvpf v03_tree_087e.tgz
tar -xvzvpf v05_html_tree_087e.tgz
```

Installation of additional Reporting Engine with Unicode support:

```
cd /var/www/html/cacti/plugins/nmidCreatePDF/ReportEngines/
wget http://redmine.nmid-plugins.de/attachments/download/235/mpdf_ReportEngine_unicode_45.tgz
tar -xvzvpf mpdf_ReportEngine_unicode_45.tgz
```

Place the license file into the main directory:

```
/var/www/html/cacti/plugins/nmidCreatePDF/
```

The 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:

```
# File: /etc/httpd/conf.d/ioncube.conf
#
# The following lines prevent IonCube license files from being
# downloaded by Web clients.
#
<Files ~ "\.lic$">
    Order allow,deny
    Deny from all
</Files>
```

2.5 Ubuntu 9.10 (cacti 0.8.7g + pia 2.8)

Warning: The plugin will not work unless a valid trial or full license is installed. A blank page will be displayed when trying to login to cacti. Please request a trial license or buy the full version before proceeding with the installation.

Request a trial license for the Corporate Edition:



[Request a 30day trial for Corporate Edition](#)

Request a trial license for the Corporate Single Server Edition:



[Request a trial for the Corporate Single Server Edition](#)

Buy a license:



[Buy a license from Share It](#)

2.5.1 Installation

Installing additional php modules for Ubuntu 9.10:

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

IonCube loader installation:

```
cd /tmp
wget http://downloads2.ioncube.com/loader_downloads/ioncube_loaders_lin_x86.tar.gz
tar -xvzf ioncube_loaders_lin_x86.tar.gz
cp ioncube/ioncube_loader_lin_5.1.so /usr/lib/php5/20060613+1fs
```



The PHP version is displayed by using the "php -v" command.



Edit/Create the file /etc/php5/apache2/conf.d/sg.ini

```
; Enable IonCube extension module
zend_extension= /usr/lib/php5/20060613+libs/ioncube_loader_lin_5.1.so
```

Restart the HTTP server:

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

Main plugin installation:

```
cd /usr/share/cacti/site/plugins/
wget http://redmine.nmid-
plugins.de/attachments/download/265/nmidCreatePDF_v1.01_RC5_ioncube_Build_61_full.tgz
tar -xvzvf nmidCreatePDF_v1.01_RC5_ioncube_Build_61_full.tgz
chown www-data.cacti nmid*
wget http://redmine.nmid-plugins.de/attachments/download/231/parallelGraphRetriever_linux32bit.zip
unzip parallelGraphRetriever_linux32bit.zip
chmod +x parallelGraphRetriever
chown www-data.cacti parallelGraphRetriever
```

Additional Cacti files:

```
cd /usr/share/cacti/site/
wget http://redmine.nmid-plugins.de/attachments/download/223/v03_graph_087g.tgz
wget http://redmine.nmid-plugins.de/attachments/download/225/v03_tree_087g.tgz
wget http://redmine.nmid-plugins.de/attachments/download/224/v05_html_tree_087g.tgz
tar -xvzvf v03_graph_087g.tgz
tar -xvzvf v03_tree_087g.tgz
tar -xvzvf v05_html_tree_087g.tgz
```

Installation of additional Reporting Engine with Unicode support:

```
cd /usr/share/cacti/site/plugins/nmidCreatePDF/ReportEngines
wget http://redmine.nmid-plugins.de/attachments/download/235/mpdf_ReportEngine_unicode_45.tgz
tar -xvzvf mpdf_ReportEngine_unicode_45.tgz
```

Place the license file into the main directory:

```
/usr/share/cacti/site/plugins/nmidCreatePDF/
```

The license file should be protected from 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:

```
# File: /etc/apache2/conf.d/ioncube.conf
#
# The following lines prevent IonCube license files from being
# downloaded by Web clients.
#
<Files ~ "\.lic$">
    Order allow,deny
    Deny from all
</Files>
```



2.5.2 Setup / Configuration

The following steps will guide you through the setup and configuration procedures for the nmidCreatePDF Corporate Edition.

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 nmidCreatePDF plugin

Step 4: Click on the “Enable” link for the nmidCreatePDF plugin

Step 5 (optional): Click on the “Install” link for the nmidWebService plugin

Step 6 (optional): Click on the “Enable” link for the nmidWebService plugin

This will install and enable the nmidCreatePDF Corporate Edition for your cacti installation.

Now go to the “User Management” page and select your admin user. You can now set the following options for the nmidCreatePDF plugin:

- NMID - Define PDF Reports
- NMID - Generate PDF Reports

Select both options in order to test the installation. After saving these settings, there should be a new menu showing up in the admin console named “NMID” with the following items:

- Manage Reports
- Manage Backups
- Manage Archive
- Manage Report Schedule
- Manage Availability

The Installation of the nmidCreatePDF Corporate Edition plugin is now complete.



3 Support

3.1 Email Support



Please use the following email addresses

Support:	support@nmid-plugins.de
Sales Inquiries:	requests@nmid-plugins.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



n/a

3.4 Phone Support

Phone support is available only for platinum support contracts.

3.5 Mailing List

Please join the nmid-plugins mailing list for latest news and community support:



n/a