

Cacti op CentOS 7

Begin met een [Clone van de CentOS7 minimal](#)

Pre-requisites

Apache webserver

In het geval je deze nog niet hebt, installeer een [Apache server met virtual hosts](#).

en instaleer het apache developement package ; `yum install httpd-devel`

MariaDB

Installeer MariaDB volgens [deze](#) instructies.

EPEL repository

Cacti bevindt zich in de EPEL repository, voeg deze daarom aan de yum configuratie toe:

`yum install epel-release`

PHP

installeer php en de nodige modules:

`yum install php php-{cli,common,pear,gd,mysql,devel,mbstring,snmp}`

`vi /etc/php.ini`

en voeg toe:

```
date.timezone = Europe/Amsterdam
```

```
;Harden de PHP install
```

```
expose_php = Off
```

```
cgi.fix_pathinfo = 0
```

```
max_input_vars = 10000
```

SNMP

`yum install net-snmp-utils net-snmp-libs`

```
systemctl enable snmpd.service
systemctl start snmpd.service
```

RRDtools

```
yum install rrdtool
```

SELinux

check of de volgende sebool settings als volgt staan:

```
httpd_read_user_content --> on
httpd_tty_comm --> on
httpd_can_network_connect --> on
httpd_built_in_scripting --> on
httpd_enable_homedirs --> on
httpd_enable_cgi --> on
```

Cacti installatie

Begin met de installatie van de software: `yum install cacti`

Database aanmaken

Maak de database voor cacti aan;

```
mysql -u root -p
```

```
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 2
Server version: 5.5.44-MariaDB MariaDB Server

Copyright (c) 2000, 2015, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input
statement.

MariaDB [(none)]> create database cacti;
Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> GRANT ALL ON cacti.* TO cacti@localhost IDENTIFIED BY
'Pa55w0rD';
Query OK, 0 rows affected (0.00 sec)
```

```
MariaDB [(none)]> FLUSH privileges;
Query OK, 0 rows affected (0.00 sec)

MariaDB [(none)]> quit;
Bye
```

Vul de database met de juiste tabellen met het bij cacti geleverde script. vindt dit script door `rpm -ql cacti|grep cacti.sql`
`/usr/share/doc/cacti-0.8.8b/cacti.sql`

en run het: `mysql -u cacti -p cacti</usr/share/doc/cacti-0.8.8b/cacti.sql`

```
Enter password:
```

geef het eerder gemaakte password, verder is er geen output.

PHP settings

Pas de php settings aan aan de database gegevens: `vi /etc/cacti/db.php`

```
<?php

/* make sure these values reflect your actual database/host/user/password */
$database_type = "mysql";
$database_default = "cacti";
$database_hostname = "localhost";
$database_username = "cacti";
$database_password = "PaS5w0rD";
$database_port = "3306";
$database_ssl = false;

/*
   Edit this to point to the default URL of your Cacti install
   ex: if your cacti install as at http://serverip/cacti/ this
   would be set to /cacti/
*/
$url_path = "/cacti/";

/* Default session name - Session name must contain alpha characters */
$cacti_session_name = "Cacti";

?>
```

Apache config file

De installatie heeft een default conf file neergezet die moet worden aangepast: `vi /etc/httpd/conf.d/cacti.conf`

en pas de ACL's aan zodat:

```
Alias /cacti    /usr/share/cacti

<Directory /usr/share/cacti/>
    <IfModule mod_authz_core.c>
        # httpd 2.4
        Require all granted
    </IfModule>
    <IfModule !mod_authz_core.c>
        # httpd 2.2
        Order deny,allow
        Allow from all
    </IfModule>
</Directory>
```

herstart apache: `systemctl restart httpd.service`

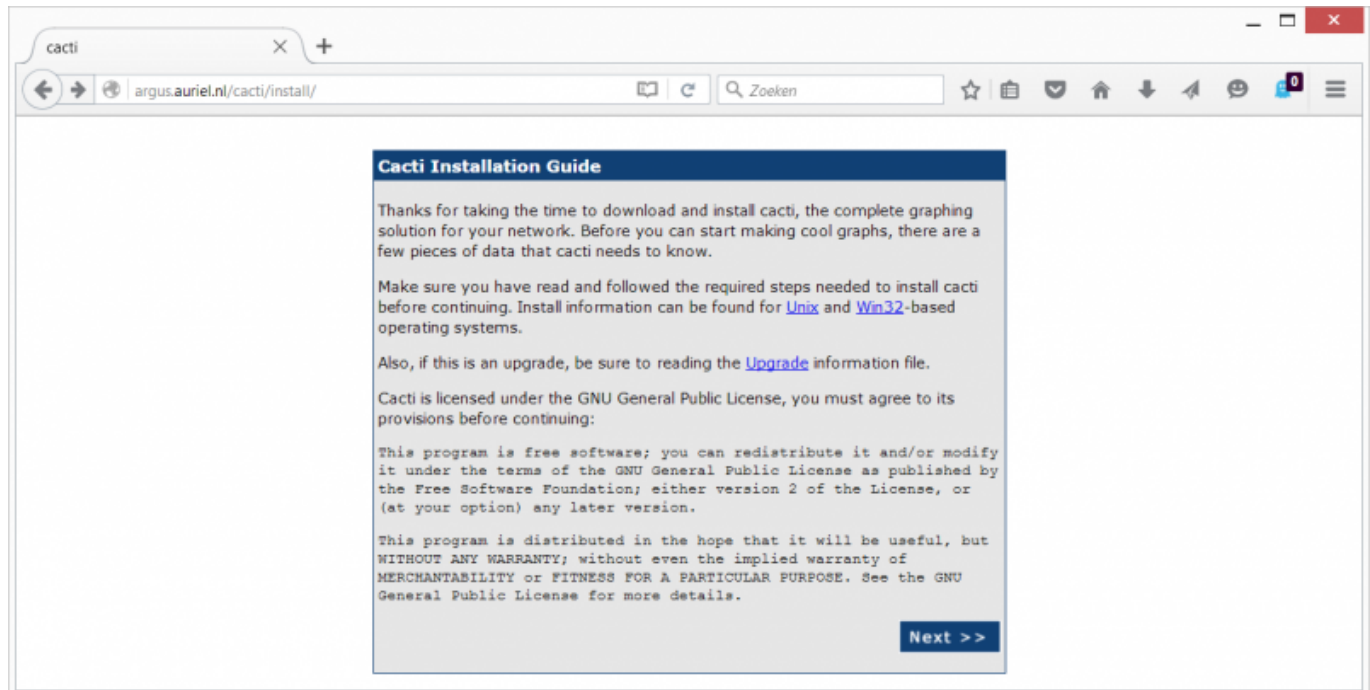
Configure Cacti cronjob

er is een cacti file neergezet in cron.d , edit die vi `/etc/cron.d/cacti` en uncomment zodat:

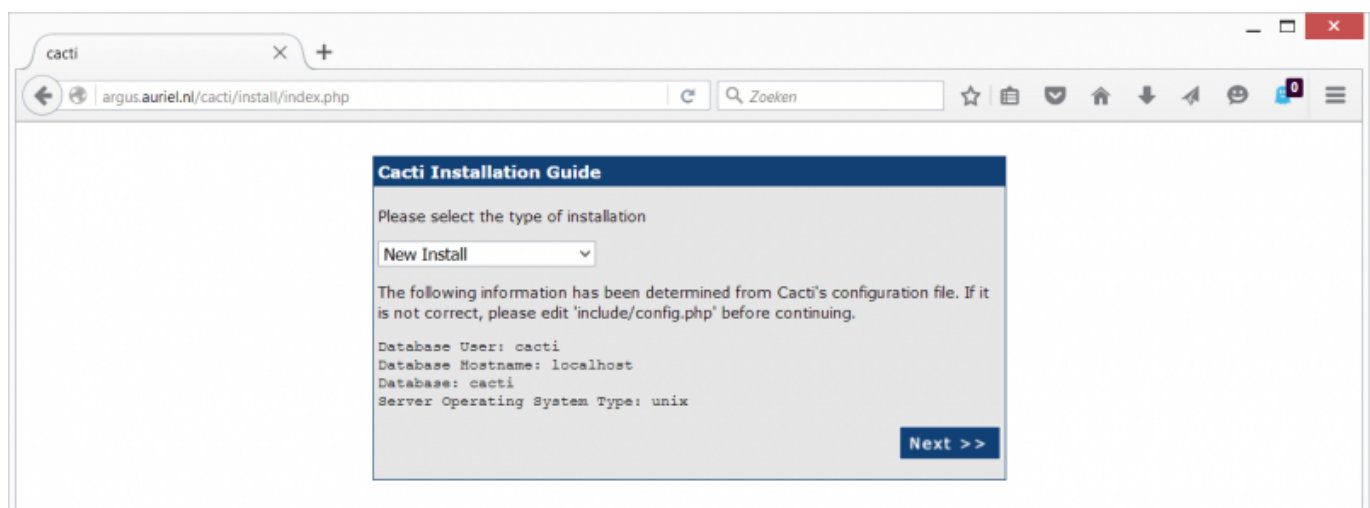
```
*/5 * * * *    cacti    /usr/bin/php /usr/share/cacti/poller.php > /dev/null
2>&1
```

Configureren afronden in de webinterface

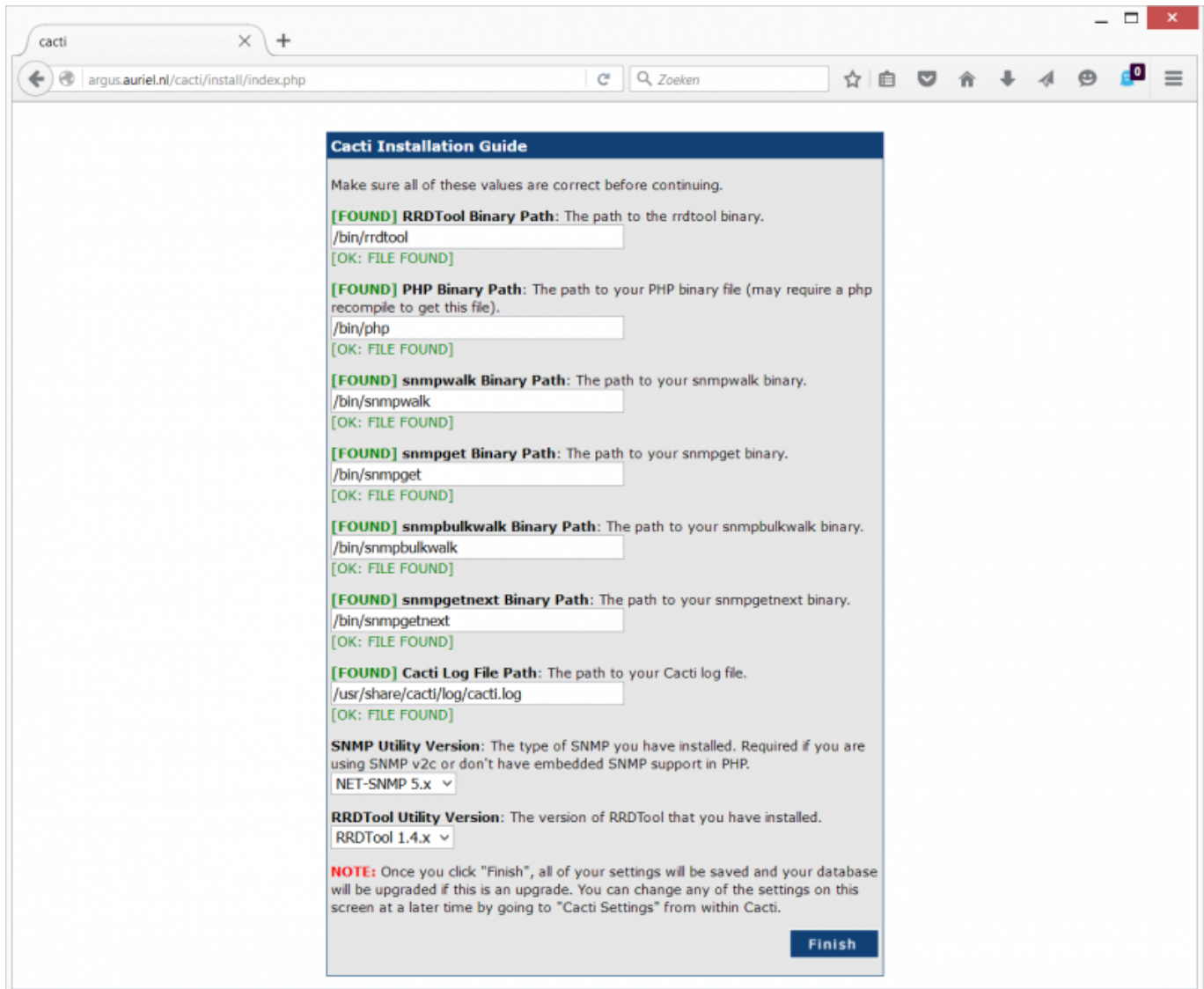
als het klopt kan je nu bij de webinterface. Start een browser en navigeer naar <http://server.domein.nl/cacti>



druk op Next > >



laat op New Install staan en druk op Next > >



Cacti Installation Guide

Make sure all of these values are correct before continuing.

[FOUND] RRDTool Binary Path: The path to the rrdtool binary.
/bin/rrdtool
[OK: FILE FOUND]

[FOUND] PHP Binary Path: The path to your PHP binary file (may require a php recompile to get this file).
/bin/php
[OK: FILE FOUND]

[FOUND] snmpwalk Binary Path: The path to your snmpwalk binary.
/bin/snmpwalk
[OK: FILE FOUND]

[FOUND] snmpget Binary Path: The path to your snmpget binary.
/bin/snmpget
[OK: FILE FOUND]

[FOUND] snmpbulkwalk Binary Path: The path to your snmpbulkwalk binary.
/bin/snmpbulkwalk
[OK: FILE FOUND]

[FOUND] snmpgetnext Binary Path: The path to your snmpgetnext binary.
/bin/snmpgetnext
[OK: FILE FOUND]

[FOUND] Cacti Log File Path: The path to your Cacti log file.
/usr/share/cacti/log/cacti.log
[OK: FILE FOUND]

SNMP Utility Version: The type of SNMP you have installed. Required if you are using SNMP v2c or don't have embedded SNMP support in PHP.
NET-SNMP 5.x

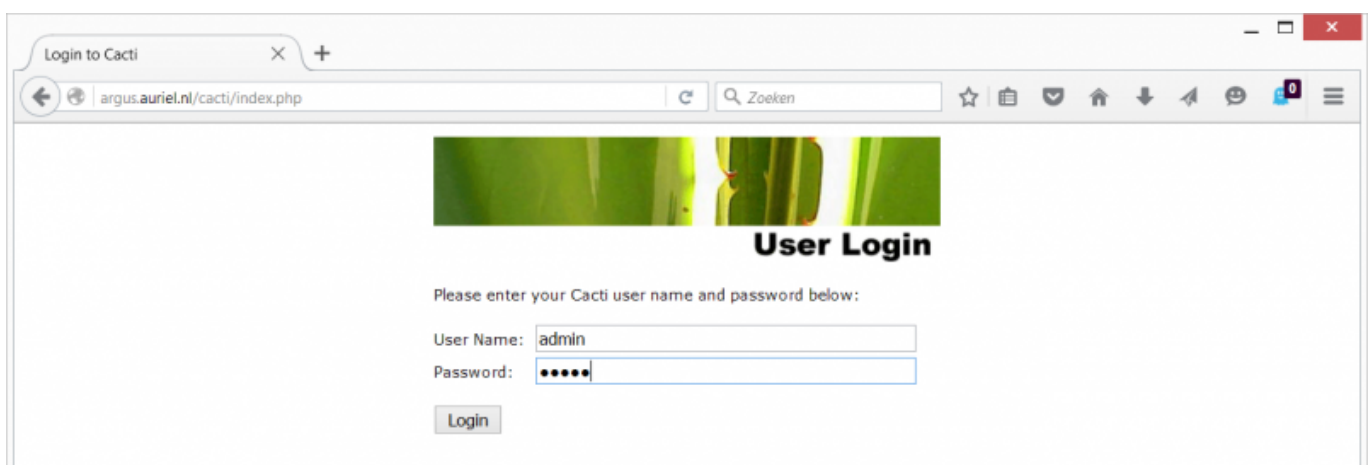
RRDTool Utility Version: The version of RRDTool that you have installed.
RRDTool 1.4.x

NOTE: Once you click "Finish", all of your settings will be saved and your database will be upgraded if this is an upgrade. You can change any of the settings on this screen at a later time by going to "Cacti Settings" from within Cacti.

Finish

laat alles default staan en druk op Finish

de Cacti server is bijna klaar, alleen het admin account moet nog een password krijgen. log als eerste keer in met **User Name:** admin en **Password:** admin



User Login

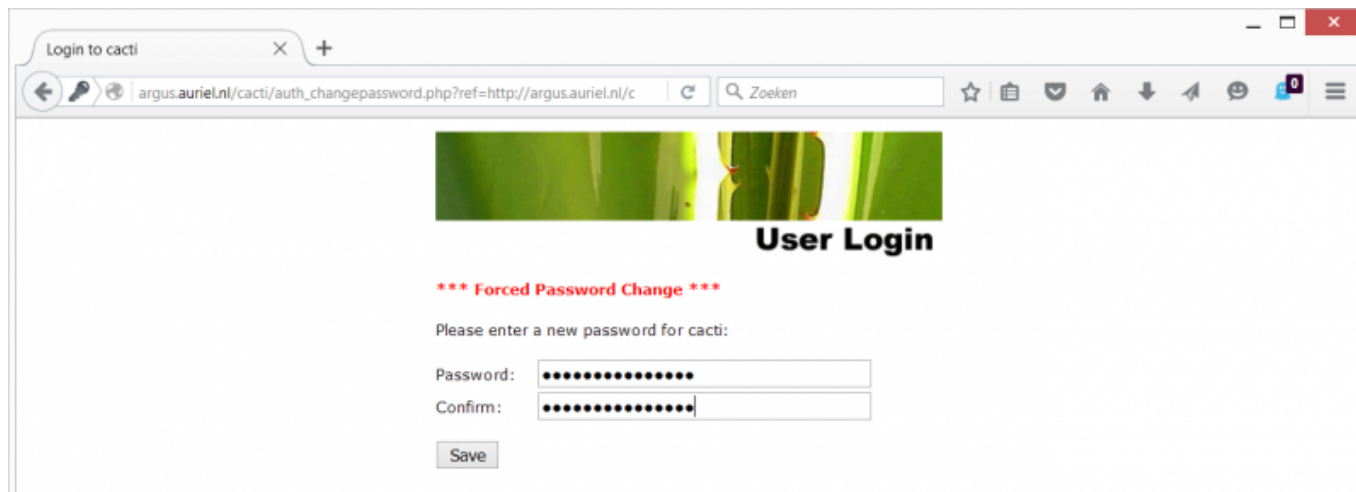
Please enter your Cacti user name and password below:

User Name: admin

Password:

Login

omdat het password op default staat wordt direct gevraagd het password te wijzigen, doe dit en sla het op.



Login to cacti

argus.auriel.nl/cacti/auth_changepassword.php?ref=http://argus.auriel.nl/c

Zoeken

User Login

*** Forced Password Change ***

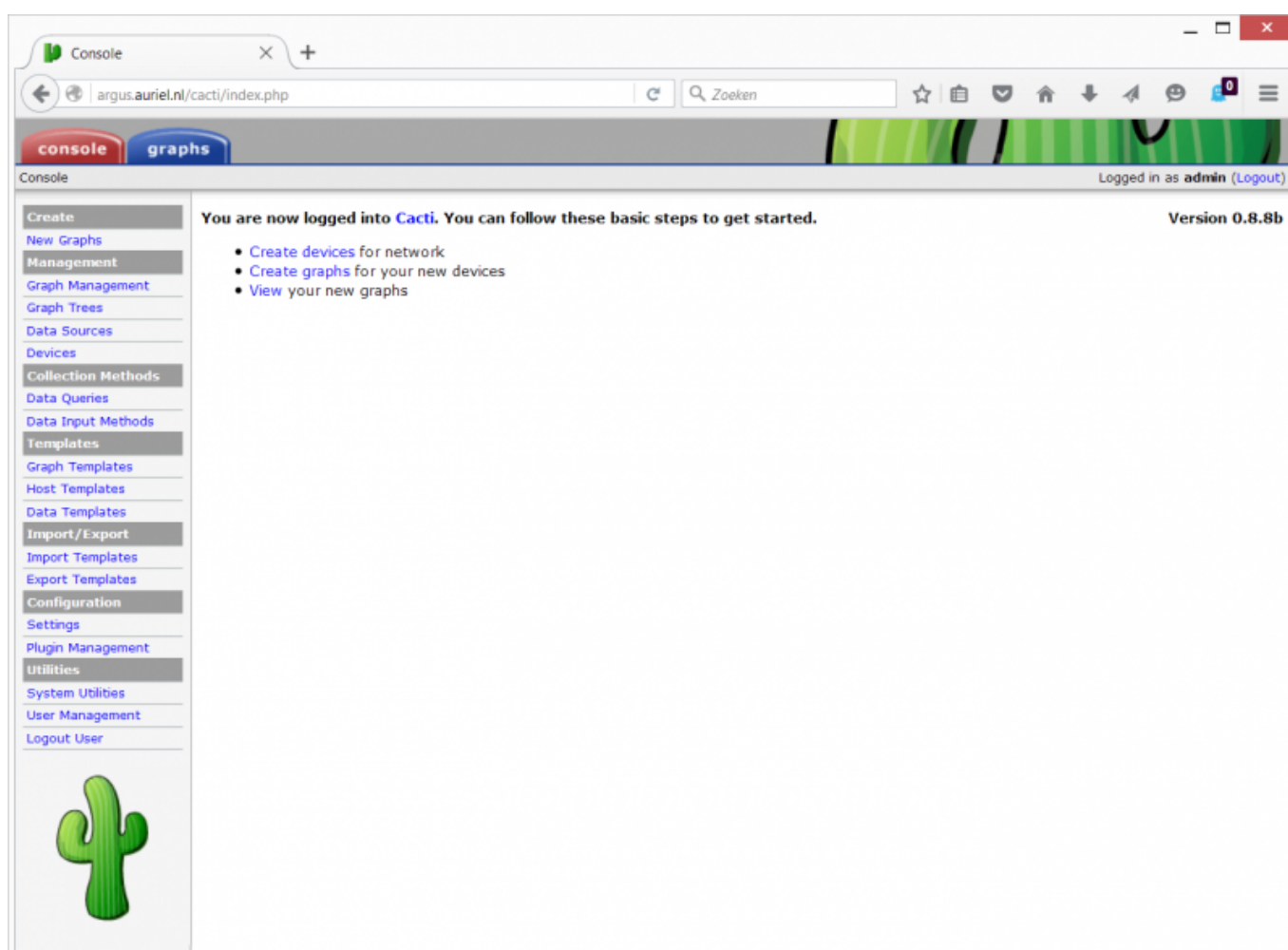
Please enter a new password for cacti:

Password:

Confirm:

Save

nadat je op Save hebt gedrukt opent de console en is de installatie afgerond.



Hoe verder

Hoe je de verschillende componenten in het netwerk via SNMP monitort met cacti vind je in de verschillende instructies onder [werkinstructies:snmp](#):

Bronnen

<http://www.tecmint.com/install-cacti-network-monitoring-on-rhel-centos-6-3-5-8-and-fedora-17-12/>

<http://lintut.com/setup-cacti-on-rhel-and-centos-7x-system/>

http://docs.cacti.net/manual:088:1_installation.1_install_unix.8_selinux#selinux_settings

From:

<https://wiki.auriel.nl/> -

Permanent link:

https://wiki.auriel.nl/doku.php?id=installatie_handleidingen:cacti_op_centos7



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