

安裝 **cacti** 相關所需套件

```
yum install mysql* net-snmp* php* freetype-devel libpng-devel  
libart_lgpl-devel rrdtool* httpd* -y
```

```
[root@localhost ~]# yum install mysql* net-snmp* php* freetype-devel libpng-devel libart_lgpl-devel rrdtool* httpd* -y
```

安裝 **rpmforge-release** 非官方套件庫，否則 **yum** 會找不到 **cacti** 套件

請至下列網址下載 **RPMforge for CentOS 6**

<http://wiki.centos.org/AdditionalResources/Repositories/RPMForge>

檔名 :rpmforge-release-0.5.3-1.el6.rf.x86_64.rpm

The screenshot shows the RPMforge website with the following content:

- URL: <https://wiki.centos.org/AdditionalResources/Repositories/RPMForge>
- Section: **Installing RPMforge**
- Text: RPMforge is a collaboration of Dag and other packagers. They provide over 5000 packages for CentOS, including wine, vlc, mplayer, xms-m3, and other popular media tools. It is not part of Red Hat or CentOS but is designed to work with those distributions. See also [Using RPMforge](#) and [Repoforge](#).
- Note: Because this repository is **NOT** part of CentOS, you should direct support questions to its maintainers at the [Repoforge Users mailing list](#).
- Text: Packages are supplied in RPM format and in most cases are ready to use. The default RPMforge repository does not replace official CentOS base packages.
- Section: **Contents**
- List:
 1. RPMforge for CentOS 6
 2. RPMforge for CentOS 5
 3. RPMforge for CentOS 4
- Section: **1. RPMforge for CentOS 6**
- Text: The default RPMforge repository does not replace any CentOS base packages. In the past it used to, but those packages are now in a separate repository (rpmforge-extras) which is disabled by default.
- Text: You can find a complete listing of the RPMforge package packages at <http://packages.sw.be/>
- Text: Download the rpmforge-release package. Choose one of the two links below, selecting to match your host's architecture. If you are unsure of which one to use you can check your architecture with the command `uname -i`
- List:
 - i686 <http://pkgs.repoforge.org/rpmforge-release/rpmforge-release-0.5.3-1.el6.rf.i686.rpm>
 - x86_64 http://pkgs.repoforge.org/rpmforge-release/rpmforge-release-0.5.3-1.el6.rf.x86_64.rpm

請根據作業系統版本來安裝，在此為 CentOS 6 的 64 位元版本，所以下載 x86_64 的 rpm。

wget http://pkgs.repoforge.org/rpmforge-release/rpmforge-release-0.5.3-1.el6.rf.x86_64.rpm

```
[root@localhost ~]# wget http://pkgs.repoforge.org/rpmforge-release/rpmforge-release-0.5.3-1.el6.rf.x86_64.rpm
--2016-04-02 14:21:19-- http://pkgs.repoforge.org/rpmforge-release/rpmforge-release-0.5.3-1.el6.rf.x86_64.rpm
Resolving pkgs.repoforge.org... 78.46.17.228
Connecting to pkgs.repoforge.org[78.46.17.228]:80... connected.
HTTP request sent, awaiting response... 302 Found
Location: http://rpmforge.sw.be/redhat/el6/en/x86_64/rpmforge/RPMS/rpmforge-release-0.5.3-1.el6.rf.x86_64.rpm [following]
--2016-04-02 14:21:20-- http://rpmforge.sw.be/redhat/el6/en/x86_64/rpmforge/RPMS/rpmforge-release-0.5.3-1.el6.rf.x86_64.rpm
Resolving rpmforge.sw.be... 78.46.17.228
Connecting to rpmforge.sw.be[78.46.17.228]:80... connected.
HTTP request sent, awaiting response... 301 Moved Permanently
Location: http://tree.repoforge.org/redhat/el6/en/x86_64/rpmforge/RPMS/rpmforge-release-0.5.3-1.el6.rf.x86_64.rpm [following]
--2016-04-02 14:21:21-- http://tree.repoforge.org/redhat/el6/en/x86_64/rpmforge/RPMS/rpmforge-release-0.5.3-1.el6.rf.x86_64.rpm
Resolving tree.repoforge.org... 78.46.17.228
Connecting to tree.repoforge.org[78.46.17.228]:80... connected.
HTTP request sent, awaiting response... 301 Moved Permanently
Location: http://apt.sw.be/redhat/el6/en/x86_64/rpmforge/RPMS/rpmforge-release-0.5.3-1.el6.rf.x86_64.rpm [following]
--2016-04-02 14:21:22-- http://apt.sw.be/redhat/el6/en/x86_64/rpmforge/RPMS/rpmforge-release-0.5.3-1.el6.rf.x86_64.rpm
Resolving apt.sw.be... 193.1.193.67
Connecting to apt.sw.be[193.1.193.67]:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 12640 (12K) [application/x-redhat-package-manager]
Saving to: "rpmforge-release-0.5.3-1.el6.rf.x86_64.rpm"

100%[=====>] 12,640 --.-K/s in 0s

2016-04-02 14:21:23 (304 MB/s) - "rpmforge-release-0.5.3-1.el6.rf.x86_64.rpm" saved [12640/12640]
```

安裝指令：

rpm -ivh rpmforge-release-0.5.3-1.el6.rf.x86_64.rpm

```
[root@localhost ~]# rpm -ivh rpmforge-release-0.5.3-1.el6.rf.x86_64.rpm
warning: rpmforge-release-0.5.3-1.el6.rf.x86_64.rpm: Header V3 DSA/SHA1 Signature, key ID 6b8d79e6: NOKEY
Preparing... ##### [100%]
1:rpmforge-release ##### [100%]
```

安裝 cacti 利用 yum 安裝 目前最新版本：0.8.8b

yum install cacti -y

```
[root@localhost ~]# yum install cacti -y
Loaded plugins: fastestmirror
Setting up Install Process
Loading mirror speeds from cached hostfile
 * base: centos.cs.nctu.edu.tw
 * extras: centos.cs.nctu.edu.tw
 * rpmforge: ftp.riken.jp
 * updates: centos.cs.nctu.edu.tw

rpmforge | 1.9 kB 00:00
rpmforge/primary.db | 2.7 MB 00:01
Resolving Dependencies
--> Running transaction check
--> Package cacti.noarch 0:0.8.8b-1.el6.rf will be installed
--> Finished Dependency Resolution

Dependencies Resolved

=====================================================================================================================================
Package Arch Version Repository Size
=====================================================================================================================================
Installing:
cacti noarch 0.8.8b-1.el6.rf rpmforge 2.0 M
Transaction Summary
-----
Install 1 Package(s)

Total download size: 2.0 M
Installed size: 5.4 M
Downloading Packages:
cacti-0.8.8b-1.el6.rf.noarch.rpm | 2.0 MB 00:00
Running rpm check debug
Running Transaction Test
Transaction Test Succeeded
Running Transaction
Warning: RPMDB altered outside of yum.
Installing : cacti-0.8.8b-1.el6.rf.noarch 1/1
Verifying : cacti-0.8.8b-1.el6.rf.noarch 1/1

Installed:
cacti.noarch 0:0.8.8b-1.el6.rf

Complete!
```

安裝完畢後

用指令 **rpm -qac | grep cacti** 查看相關設定檔路徑

```
[root@localhost ~]# rpm -qac | grep cacti
/etc/cron.d/cacti
/etc/httpd/conf.d/cacti.conf
/var/www/cacti/include/config.php
```

利用 **yum** 安裝 **cacti** 後，會自動建立空的 **cacti** 資料庫

相關網頁檔案路徑在 **/var/www/cacti**

建立 cacti 基本環境

1.Mysql 相關設定

啟動 mysql 服務：指令 `service mysqld start`

```
[root@localhost ~]# service mysqld start
Initializing MySQL database: Installing MySQL system tables...
OK
Filling help tables...
OK

To start mysqld at boot time you have to copy
support-files/mysql.server to the right place for your system

PLEASE REMEMBER TO SET A PASSWORD FOR THE MySQL root USER !
To do so, start the server, then issue the following commands:

/usr/bin/mysqladmin -u root password 'new-password'
/usr/bin/mysqladmin -u root -h localhost.localdomain password 'new-password'

Alternatively you can run:
/usr/bin/mysql_secure_installation

which will also give you the option of removing the test
databases and anonymous user created by default. This is
strongly recommended for production servers.

See the manual for more instructions.

You can start the MySQL daemon with:
cd /usr ; /usr/bin/mysqld_safe &

You can test the MySQL daemon with mysql-test-run.pl
cd /usr/mysql-test ; perl mysql-test-run.pl

Please report any problems with the /usr/bin/mysqlbug script!

Starting mysqld: [ OK ]
```

設定開機自動啟動 mysql：指令 `chkconfig mysqld on`

```
[root@localhost ~]# chkconfig mysqld on
```

設定 mysql root 密碼

指令：`mysqladmin -u root password "111111"`

```
[root@localhost ~]# mysqladmin -u root password "111111"
```

建立 **cacti** 資料庫

指令 `mysqladmin -u root -p create cacti`

```
[root@localhost ~]# mysqladmin -u root -p create cacti
Enter password:
```

匯入 **cacti** 資料

指令 `mysql -u root -p -A cacti < /var/www/cacti/cacti.sql`

```
[root@localhost ~]# mysql -u root -p -A cacti < /var/www/cacti/cacti.sql
Enter password:
```

建立 **cacti** 專用的資料庫使用者 **cactiuser**

首先將入 **mysql** 命令列

`mysql -u root -p`

```
[root@localhost ~]# mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 96
Server version: 5.1.73 Source distribution

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affiliates. Other names may be trademarks of their respective
owners.

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

mysql>
```

指令:

grant all on cacti.* to cactiuser@localhost identified by '111111';

```
mysql> grant all on cacti.* to cactiuser@localhost identified by '111111';  
Query OK, 0 rows affected (0.00 sec)
```

flush privileges; (讓權限生效)

```
mysql> flush privileges;  
Query OK, 0 rows affected (0.00 sec)
```

exit(離開)

```
mysql> exit  
Bye
```

修改設定檔

vi /var/www/cacti/include/config.php

```
[root@localhost ~]# vim /var/www/cacti/include/config.php
```

修改 **cacti** 資料庫使用者名稱及密碼

```

/* make sure these values reflect your actual database/host/user/password */
$database_type = "mysql";
$database_default = "cacti";
$database_hostname = "localhost";
$database_username = "cactiuser";
$database_password = "111111";
#$database_password = "cactiuser";
$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";
:wq

```

2. Apache 部分

啟動 apache 服務: `service httpd start`

```

[root@localhost ~]# service httpd start
Starting httpd: httpd: Could not reliably determine the server's fully qualified domain name, using localhost.localdomain for ServerName
               [ OK ]

```

設定開機自動啟動 apache : 指令 `chkconfig httpd on`

```

[root@localhost ~]# chkconfig httpd on

```

`vi /etc/httpd/conf.d/cacti.conf`

```

[root@localhost ~]# vim /etc/httpd/conf.d/cacti.conf

```

將 `allow from 127.0.0.1` 及 `deny from all` 註解(#)

`# allow from 127.0.0.1`

`# deny from all`

`allow from all`

```
Alias /cacti/ /var/www/cacti/
<Directory /var/www/cacti/>
    DirectoryIndex index.php
    Options -Indexes
    AllowOverride all
    order deny,allow
#    deny from all
#    allow from 127.0.0.1
    allow from all
    AddType application/x-httpd-php .php
    php_flag magic_quotes_gpc on
    php_flag track_vars on
</Directory>
```

重新載入設定檔

指令：`service httpd reload`

```
[root@localhost ~]# service httpd reload
Reloading httpd:
```

3. iptables 設定

修改/etc/sysconfig/iptables 加入下列兩行

`vi /etc/sysconfig/iptables`

`-A INPUT -m state --state NEW -m tcp -p tcp --dport 80 -j ACCEPT`

`-A INPUT -m state --state NEW -m udp -p udp --dport 161 -j ACCEPT`

```
# Firewall configuration written by system-config-firewall
# Manual customization of this file is not recommended.
*filter
:INPUT ACCEPT [0:0]
:FORWARD ACCEPT [0:0]
:OUTPUT ACCEPT [0:0]
-A INPUT -m state --state ESTABLISHED,RELATED -j ACCEPT
-A INPUT -p icmp -j ACCEPT
-A INPUT -i lo -j ACCEPT
-A INPUT -m state --state NEW -m tcp -p tcp --dport 22 -j ACCEPT
-A INPUT -m state --state NEW -m tcp -p tcp --dport 80 -j ACCEPT
-A INPUT -m state --state NEW -m udp -p udp --dport 161 -j ACCEPT
-A INPUT -j REJECT --reject-with icmp-host-prohibited
-A FORWARD -j REJECT --reject-with icmp-host-prohibited
COMMIT
```


重新啟動 iptables 服務

指令: **service iptables restart**

```
[root@localhost ~]# service iptables restart
iptables: Setting chains to policy ACCEPT: filter      [ OK ]
iptables: Flushing firewall rules:                    [ OK ]
iptables: Unloading modules:                          [ OK ]
iptables: Applying firewall rules:                    [ OK ]
```

4. snmp 設定

修改/etc/snmp/snmpd.conf

vi /etc/snmp/snmpd.conf

```
[root@localhost ~]# vim /etc/snmp/snmpd.conf
```

```
#com2sec notConfigUser default public
#group notConfigGroup v1 notConfigUser
#group notConfigGroup v2c notConfigUser
```

```
#      sec.name  source          community
#com2sec notConfigUser default public

####
# Second, map the security name into a group name:

#      groupName      securityModel securityName
#group notConfigGroup v1 notConfigUser
#group notConfigGroup v2c notConfigUser
```

新增下列設定

```
com2sec local localhost public
com2sec mynetwork 192.168.10.0/24 public
group notConfigGroup v1 local
group notConfigGroup v2c local
group notConfigGroup v1 mynetwork
group notConfigGroup v2c mynetwork
view all included .1 80
view systemview included .1.3.6.1.2.1.2
access notConfigGroup "" any noauth prefix all none
```

none

access notConfigGroup "" any noauth prefix all all all

PS:

mynetwork 192.168.10.0/24 這一行設定是允許哪個 IP 來取得 cacti 主機 snmp 相關資訊

```
com2sec local localhost public
com2sec mynetwork 192.168.10.0/24 public
group notConfigGroup v1 local
group notConfigGroup v2c local
group notConfigGroup v1 mynetwork
group notConfigGroup v2c mynetwork
view all included .1 80
view systemview included .1.3.6.1.2.1.2
access notConfigGroup "" any noauth prefix all none none
access notConfigGroup "" any noauth prefix all all all
```

啟動 snmp 服務：指令 service snmpd start

```
[root@localhost ~]# service snmpd start
Starting snmpd: [ OK ]
```

開機自動啟動 snmp：指令 chkconfig snmpd on

```
[root@localhost ~]# chkconfig snmpd on
```

驗證

snmpwalk -c public -v1 127.0.0.1

```
[root@localhost ~]# snmpwalk -c public -v1 127.0.0.1
```

```

DISMAN-EVENT-MIB::mteEventComment."_snmpd".'_mteTriggerFalling' = STRING:
DISMAN-EVENT-MIB::mteEventComment."_snmpd".'_mteTriggerFired' = STRING:
DISMAN-EVENT-MIB::mteEventComment."_snmpd".'_mteTriggerRising' = STRING:
DISMAN-EVENT-MIB::mteEventActions."_snmpd".'_linkDown' = BITS: 80 notification(0)
DISMAN-EVENT-MIB::mteEventActions."_snmpd".'_linkUp' = BITS: 80 notification(0)
DISMAN-EVENT-MIB::mteEventActions."_snmpd".'_mteTriggerFailure' = BITS: 80 notification(0)
DISMAN-EVENT-MIB::mteEventActions."_snmpd".'_mteTriggerFalling' = BITS: 80 notification(0)
DISMAN-EVENT-MIB::mteEventActions."_snmpd".'_mteTriggerFired' = BITS: 80 notification(0)
DISMAN-EVENT-MIB::mteEventActions."_snmpd".'_mteTriggerRising' = BITS: 80 notification(0)
DISMAN-EVENT-MIB::mteEventEnabled."_snmpd".'_linkDown' = INTEGER: true(1)
DISMAN-EVENT-MIB::mteEventEnabled."_snmpd".'_linkUp' = INTEGER: true(1)
DISMAN-EVENT-MIB::mteEventEnabled."_snmpd".'_mteTriggerFailure' = INTEGER: true(1)
DISMAN-EVENT-MIB::mteEventEnabled."_snmpd".'_mteTriggerFalling' = INTEGER: true(1)
DISMAN-EVENT-MIB::mteEventEnabled."_snmpd".'_mteTriggerFired' = INTEGER: true(1)
DISMAN-EVENT-MIB::mteEventEnabled."_snmpd".'_mteTriggerRising' = INTEGER: true(1)
DISMAN-EVENT-MIB::mteEventEntryStatus."_snmpd".'_linkDown' = INTEGER: active(1)
DISMAN-EVENT-MIB::mteEventEntryStatus."_snmpd".'_linkUp' = INTEGER: active(1)
DISMAN-EVENT-MIB::mteEventEntryStatus."_snmpd".'_mteTriggerFailure' = INTEGER: active(1)
DISMAN-EVENT-MIB::mteEventEntryStatus."_snmpd".'_mteTriggerFalling' = INTEGER: active(1)
DISMAN-EVENT-MIB::mteEventEntryStatus."_snmpd".'_mteTriggerFired' = INTEGER: active(1)
DISMAN-EVENT-MIB::mteEventEntryStatus."_snmpd".'_mteTriggerRising' = INTEGER: active(1)
DISMAN-EVENT-MIB::mteEventNotification."_snmpd".'_linkDown' = OID: IF-MIB::linkDown
DISMAN-EVENT-MIB::mteEventNotification."_snmpd".'_linkUp' = OID: IF-MIB::linkUp
DISMAN-EVENT-MIB::mteEventNotification."_snmpd".'_mteTriggerFailure' = OID: DISMAN-EVENT-MIB::mteTriggerFailure
DISMAN-EVENT-MIB::mteEventNotification."_snmpd".'_mteTriggerFalling' = OID: DISMAN-EVENT-MIB::mteTriggerFalling
DISMAN-EVENT-MIB::mteEventNotification."_snmpd".'_mteTriggerFired' = OID: DISMAN-EVENT-MIB::mteTriggerFired
DISMAN-EVENT-MIB::mteEventNotification."_snmpd".'_mteTriggerRising' = OID: DISMAN-EVENT-MIB::mteTriggerRising
DISMAN-EVENT-MIB::mteEventNotificationObjectsOwner."_snmpd".'_linkDown' = STRING: _snmpd
DISMAN-EVENT-MIB::mteEventNotificationObjectsOwner."_snmpd".'_linkUp' = STRING: _snmpd
DISMAN-EVENT-MIB::mteEventNotificationObjectsOwner."_snmpd".'_mteTriggerFailure' = STRING: _snmpd
DISMAN-EVENT-MIB::mteEventNotificationObjectsOwner."_snmpd".'_mteTriggerFalling' = STRING: _snmpd
DISMAN-EVENT-MIB::mteEventNotificationObjectsOwner."_snmpd".'_mteTriggerFired' = STRING: _snmpd
DISMAN-EVENT-MIB::mteEventNotificationObjectsOwner."_snmpd".'_mteTriggerRising' = STRING: _snmpd
DISMAN-EVENT-MIB::mteEventNotificationObjects."_snmpd".'_linkDown' = STRING: _linkUpDown
DISMAN-EVENT-MIB::mteEventNotificationObjects."_snmpd".'_linkUp' = STRING: _linkUpDown
DISMAN-EVENT-MIB::mteEventNotificationObjects."_snmpd".'_mteTriggerFailure' = STRING: _triggerFail
DISMAN-EVENT-MIB::mteEventNotificationObjects."_snmpd".'_mteTriggerFalling' = STRING: _triggerFire
DISMAN-EVENT-MIB::mteEventNotificationObjects."_snmpd".'_mteTriggerFired' = STRING: _triggerFire
DISMAN-EVENT-MIB::mteEventNotificationObjects."_snmpd".'_mteTriggerRising' = STRING: _triggerFire
NOTIFICATION-LOG-MIB::nlmConfigGlobalEntryLimit.0 = Gauge32: 1000
NOTIFICATION-LOG-MIB::nlmConfigGlobalAgeOut.0 = Gauge32: 1440 minutes
NOTIFICATION-LOG-MIB::nlmStatsGlobalNotificationsLogged.0 = Counter32: 0 notifications
NOTIFICATION-LOG-MIB::nlmStatsGlobalNotificationsBumped.0 = Counter32: 0 notifications

```

snmpwalk -v 1 -c public -O e 127.0.0.1

```
[root@localhost ~]# snmpwalk -v 1 -c public -O e 127.0.0.1
```

```

DISMAN-EVENT-MIB::mteEventComment."_snmpd".'_mteTriggerFalling' = STRING:
DISMAN-EVENT-MIB::mteEventComment."_snmpd".'_mteTriggerFired' = STRING:
DISMAN-EVENT-MIB::mteEventComment."_snmpd".'_mteTriggerRising' = STRING:
DISMAN-EVENT-MIB::mteEventActions."_snmpd".'_linkDown' = BITS: 80 0
DISMAN-EVENT-MIB::mteEventActions."_snmpd".'_linkUp' = BITS: 80 0
DISMAN-EVENT-MIB::mteEventActions."_snmpd".'_mteTriggerFailure' = BITS: 80 0
DISMAN-EVENT-MIB::mteEventActions."_snmpd".'_mteTriggerFalling' = BITS: 80 0
DISMAN-EVENT-MIB::mteEventActions."_snmpd".'_mteTriggerFired' = BITS: 80 0
DISMAN-EVENT-MIB::mteEventActions."_snmpd".'_mteTriggerRising' = BITS: 80 0
DISMAN-EVENT-MIB::mteEventEnabled."_snmpd".'_linkDown' = INTEGER: 1
DISMAN-EVENT-MIB::mteEventEnabled."_snmpd".'_linkUp' = INTEGER: 1
DISMAN-EVENT-MIB::mteEventEnabled."_snmpd".'_mteTriggerFailure' = INTEGER: 1
DISMAN-EVENT-MIB::mteEventEnabled."_snmpd".'_mteTriggerFalling' = INTEGER: 1
DISMAN-EVENT-MIB::mteEventEnabled."_snmpd".'_mteTriggerFired' = INTEGER: 1
DISMAN-EVENT-MIB::mteEventEnabled."_snmpd".'_mteTriggerRising' = INTEGER: 1
DISMAN-EVENT-MIB::mteEventEntryStatus."_snmpd".'_linkDown' = INTEGER: 1
DISMAN-EVENT-MIB::mteEventEntryStatus."_snmpd".'_linkUp' = INTEGER: 1
DISMAN-EVENT-MIB::mteEventEntryStatus."_snmpd".'_mteTriggerFailure' = INTEGER: 1
DISMAN-EVENT-MIB::mteEventEntryStatus."_snmpd".'_mteTriggerFalling' = INTEGER: 1
DISMAN-EVENT-MIB::mteEventEntryStatus."_snmpd".'_mteTriggerFired' = INTEGER: 1
DISMAN-EVENT-MIB::mteEventEntryStatus."_snmpd".'_mteTriggerRising' = INTEGER: 1
DISMAN-EVENT-MIB::mteEventNotification."_snmpd".'_linkDown' = OID: IF-MIB::linkDown
DISMAN-EVENT-MIB::mteEventNotification."_snmpd".'_linkUp' = OID: IF-MIB::linkUp
DISMAN-EVENT-MIB::mteEventNotification."_snmpd".'_mteTriggerFailure' = OID: DISMAN-EVENT-MIB::mteTriggerFailure
DISMAN-EVENT-MIB::mteEventNotification."_snmpd".'_mteTriggerFalling' = OID: DISMAN-EVENT-MIB::mteTriggerFalling
DISMAN-EVENT-MIB::mteEventNotification."_snmpd".'_mteTriggerFired' = OID: DISMAN-EVENT-MIB::mteTriggerFired
DISMAN-EVENT-MIB::mteEventNotification."_snmpd".'_mteTriggerRising' = OID: DISMAN-EVENT-MIB::mteTriggerRising
DISMAN-EVENT-MIB::mteEventNotificationObjectsOwner."_snmpd".'_linkDown' = STRING: _snmpd
DISMAN-EVENT-MIB::mteEventNotificationObjectsOwner."_snmpd".'_linkUp' = STRING: _snmpd
DISMAN-EVENT-MIB::mteEventNotificationObjectsOwner."_snmpd".'_mteTriggerFailure' = STRING: _snmpd
DISMAN-EVENT-MIB::mteEventNotificationObjectsOwner."_snmpd".'_mteTriggerFalling' = STRING: _snmpd
DISMAN-EVENT-MIB::mteEventNotificationObjectsOwner."_snmpd".'_mteTriggerFired' = STRING: _snmpd
DISMAN-EVENT-MIB::mteEventNotificationObjectsOwner."_snmpd".'_mteTriggerRising' = STRING: _snmpd
DISMAN-EVENT-MIB::mteEventNotificationObjects."_snmpd".'_linkDown' = STRING: _linkUpDown
DISMAN-EVENT-MIB::mteEventNotificationObjects."_snmpd".'_linkUp' = STRING: _linkUpDown
DISMAN-EVENT-MIB::mteEventNotificationObjects."_snmpd".'_mteTriggerFailure' = STRING: _triggerFail
DISMAN-EVENT-MIB::mteEventNotificationObjects."_snmpd".'_mteTriggerFalling' = STRING: _triggerFire
DISMAN-EVENT-MIB::mteEventNotificationObjects."_snmpd".'_mteTriggerFired' = STRING: _triggerFire
DISMAN-EVENT-MIB::mteEventNotificationObjects."_snmpd".'_mteTriggerRising' = STRING: _triggerFire
NOTIFICATION-LOG-MIB::nlmConfigGlobalEntryLimit.0 = Gauge32: 1000
NOTIFICATION-LOG-MIB::nlmConfigGlobalAgeOut.0 = Gauge32: 1440 minutes
NOTIFICATION-LOG-MIB::nlmStatsGlobalNotificationsLogged.0 = Counter32: 0 notifications
NOTIFICATION-LOG-MIB::nlmStatsGlobalNotificationsBumped.0 = Counter32: 0 notifications

```

在 **crontab** 裡新增下面的排程

crontab -e

```

[root@localhost ~]# crontab -e
no crontab for root - using an empty one
crontab: installing new crontab

```

```

*/5 * * * * cactiuser php /var/www/html/cacti/poller.php >
/dev/null 2>&1

```

```

*/5 * * * * cactiuser php /var/www/html/cacti/poller.php > /dev/null 2>&1

```

service crond restart

```

[root@localhost ~]# service crond restart
Stopping crond: [ OK ]
Starting crond: [ OK ]

```

chkconfig crond on

```

[root@localhost ~]# chkconfig crond on

```

在 **Apache** 根目錄建立 **Symbolic link**

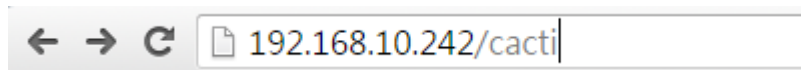
`cd /var/www/html`

`ln -s /var/www/cacti cacti`

```
[root@localhost html]# cd /var/www/html/  
[root@localhost html]# ln -s /var/www/cacti cacti
```

登入 **cacti** 主畫面

在瀏覽器輸入 http://ip_address/cacti/



在首頁直接按【Next】按鈕。

Cacti Installation Guide

Thanks for taking the time to download and install cacti, the complete graphing solution for your network. Before you can start making cool graphs, there are a few pieces of data that cacti needs to know.

Make sure you have read and followed the required steps needed to install cacti before continuing. Install information can be found for [Unix](#) and [Win32](#)-based operating systems.

Also, if this is an upgrade, be sure to reading the [Upgrade](#) information file.

Cacti is licensed under the GNU General Public License, you must agree to its provisions before continuing:

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This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

Next >>

選擇【New Install】，然後按【Next】按鈕。

Cacti Installation Guide

Please select the type of installation

New Install ▼

The following information has been determined from Cacti's configuration file. If it is not correct, please edit 'include/config.php' before continuing.

Database User: cactiuser
Database Hostname: localhost
Database: cacti
Server Operating System Type: unix

Next >>

不需要更改各項套件指令路徑，請直接按【Finish】按鈕。

Make sure all of these values are correct before continuing.

[FOUND] RRDTool Binary Path: The path to the rrdtool binary.

[OK: FILE FOUND]

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

[OK: FILE FOUND]

[FOUND] snmpwalk Binary Path: The path to your snmpwalk binary.

[OK: FILE FOUND]

[FOUND] snmpget Binary Path: The path to your snmpget binary.

[OK: FILE FOUND]

[FOUND] snmpbulkwalk Binary Path: The path to your snmpbulkwalk binary.

[OK: FILE FOUND]

[FOUND] snmpgetnext Binary Path: The path to your snmpgetnext binary.

[OK: FILE FOUND]

[FOUND] Cacti Log File Path: The path to your Cacti log file.

[OK: FILE FOUND]

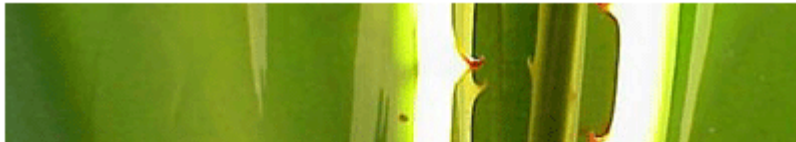
SNMP Utility Version: The type of SNMP you have installed. Required if you are using SNMP v2c or don't have embedded SNMP support in PHP.

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

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

在登入畫面，請輸入 **admin/admin**，然後按【Login】按鈕。預設帳號密碼為 **admin/admin**



User Login

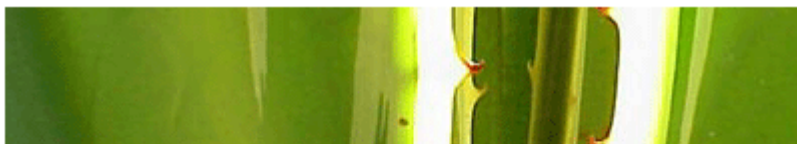
Please enter your Cacti user name and password below:

User Name:

Password:

Login

第一次登入後會強迫更換密碼, 系統要求我們更改 **admin** 密碼, 然後按【save】按鈕。



User Login

***** Forced Password Change *****

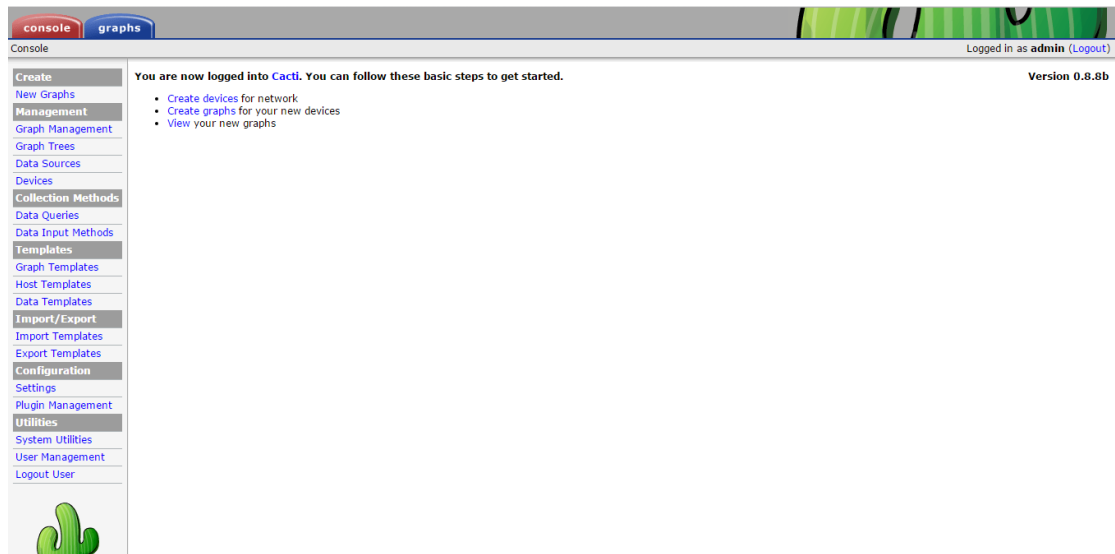
Please enter a new password for cacti:

Password:

Confirm:

Save

如果能來到 **cacti** 首頁, 這代表安裝及設定成功。



參考資料：

<http://www.hkitblog.com/?p=18731>

<http://shazikai.blogspot.tw/2014/03/centos-65-cacti-088b.html>

<https://tk886.wordpress.com/2012/07/31/centos-cacti%E7%9A%84%E5%AE%89%E8%A3%9D/>

<http://download.ithome.com.tw/article/index/id/2299>

<http://blog.pmail.idv.tw/?p=8081>

<https://wiki.centos.org/AdditionalResources/Repositories/RPMForge>