

Default RedHat Build (with MYSQL, PHP and APACHE)

Install TCL:

<http://internap.dl.sourceforge.net/sourceforge/tcl/tcl8.4.12-src.tar.gz>

```
cd /cacti-install
tar -zxvf tcl*
cd tcl8.4.12
cd unix
./configure
make
make install
```

Install RRDTOOL

<http://people.ee.ethz.ch/~oetiker/webtools/rrdtool/pub/rrdtool.tar.gz>

```
cd /cacti-install
tar -zxvf rrdtool*
cd rrdtool*
./configure --prefix=/usr/local/rrdtool
make
make install
```

Install BEECRYPT-DEVEL

<http://internap.dl.sourceforge.net/sourceforge/beecrypt/beecrypt-4.1.2.tar.gz>

```
cd /cacti-install
tar -zxvf bee*
cd bee*
./configure
make
make install
copy files from /usr/local/lib to /usr/lib (but do not overwrite any existing versions).
```

Install NET-SNMP

<http://internap.dl.sourceforge.net/sourceforge/net-snmp/net-snmp-5.3.0.1.tar.gz>

```
cd /cacti-install
tar -zxvf net*
cd net*
./configure
Setup Menu:
Default Version of SNMP (3): 1
System Contact Information (root@): (local hostname)
System Location (Unknown): (your location)
Location to write logfile (/var/log/snmpd.log):
Location to write persistent information (/var/net-snmp):
CD /usr/lib
ln -s /usr/lib/libelf.so.1 libelf.so
cd /cacti-install/
cd net-snmp-5.3.0.1
make
make install
```

Configure MySQL

```
groupadd cacti
useradd -g cacti cactiuser
mysql
mysql> set password for root@localhost=password('password');
mysql> create database cactidb;
mysql> grant all on cactidb.* to root;
mysql> grant all on cactidb.* to root@localhost;
mysql> grant all on cactidb.* to cactiuser;
mysql> grant all on cactidb.* to cactiuser@localhost;
mysql> set password for cactiuser@localhost=password('password');
mysql> exit
```

Install CACTI

- Download “cacti-0.8.6g.tar.gz” to ‘/var/www/html/’
- “tar -zxvf cacti-0.8.6g.tar.gz”
- Rename “cacti-0.8.6g” to “cacti”
- mysql --user=root -p cactidb < cacti.sql
- chown -R cactiuser rra/ log/

Now edit your /var/www/html/cacti/include/config.php

The finished product should look like so:

```
$database_default = "cactidb";
$database_hostname = "localhost";
$database_username = "cactiuser";
$database_password = "(your password)";
```

Edit /etc/php.ini

```
"memory_limit = 64M ; Maximum amount of memory a script may consume (8MB)"
```

Edit ‘/etc/crontab’ file and add the following line:

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

(You may need to edit the crontab for ‘cactiuser’ rather than for root for this to start working)

Login to Cacti:

- Open browser and goto: [\\servername\cacti](http://servername/cacti)
- Login with username=admin password=admin
- Navigate to “Configuration->Settings” on the “General” tab, and change the default SNMP settings. Change to:
 - Click to enable “Web RRD Graph Syntax”
 - Click to enable “Poller Warnings”
 - Click to enable “Poller Errors”
 - RRDTool Utility version = RRDTool 1.2.x
 - SNMP Version = 2
 - SNMP Community = (Your Community)
 - (save the changes)
- Navigate to “Configuration->Settings” on the “Poller” tab, and change the default poller settings. Change to:
 - Maximum Concurrent Poller Processes = 10
 - Downed Host Detection = “Ping and SNMP – Most Recommended”
 - (save the changes)

- Navigate to “Configuration->Settings” on the “Visual” tab, and change the default visual settings. Change to:
 - Graph Management - Rows Per Page = 200
 - Maximum Field Length = 32
 - Data Sources - Rows Per Page = 200
 - Devices - Rows Per Page = 200
 - (save the changes)