

Management Application Installation Tutorial

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Management Application Installation

- Requisites
- Web Server Installation with PHP support
- Web Server Configuration
- RRDtool Installation
- RRDtool with Aberrant Behavior support Installaiton
- Application Installation
- Application Configuration

Requisites

- To compile the management application is necessary:
 - GNU C Compiler (gcc)
 - GNU Make Tool (make)
 - At command
 - Superuser privileges

Apache Installation

- Download – choose the current version
`http://httpd.apache.org/download.cgi`
- Extract, Compile and Install

```
$ tar xzf httpd-2_0_NN.tar.gz
$ cd httpd-2_0_NN
$ ./configure --prefix=PREFIX --enable-so
$ make
$ su
(superuser password)
# make install
```

Note: NN must be replaced with the current minor version number, and PREFIX must be replaced with the filesystem path under which the server should be installed. If PREFIX is not specified, it defaults to /usr/local/apache2.

PHP Installation

- Download – choose the current version

`http://www.php.net/downloads.php`

- Extract, Compile and Install

```
$ tar zxf php-4.3.4.tar.gz
```

```
$ cd php-4.3.4
```

```
$ ./configure --with-apxs2=/usr/local/apache2/bin/apxs  
--with-snmp
```

```
$ make
```

```
$ su
```

```
(superuser password)
```

```
# make install
```

Apache Configuration

- Edit the httpd.conf to:

- load the PHP module.

```
LoadModule php4_module libexec/libphp4.so
LoadModule php5_module libexec/libphp5.so
AddType application/x-httpd-php .php
AddType application/x-httpd-php-source .phps
```

- treat SVG files

```
AddType image/svg+xml svg
AddType image/svg+xml svgz
AddEncoding gzip svgz
```

RRDTool Installation

- Download – choose the current version

`http://www.rrdtool.com/download.html`

- Extract, Compile and Install

```
$ tar xzf rrdtool.tar.gz
```

```
$ cd rrdtool-1.0.46
```

```
$ ./configure
```

```
$ make
```

```
$ su
```

```
(superuser password)
```

```
# make install
```

RRDTool Installation with Aberrant Behavior

- Download

`http://mutuca.metropoa.tche.br/Downloads/rrdtool-1.0.28.tar.gz`

- Patch Download

`http://mutuca.metropoa.tche.br/Downloads/rrd-1.0.28.aberrant.patch`

- Extract, Compile and Install

```
$ tar zxf rrdtool-1.0.28.tar.gz
$ cd rrdtool-1.0.28
$ patch -p1 < ../rrd-1.0.28.aberrant.patch
$ ./configure
$ make
$ su
(superuser password)
# make install
```


Application Installation

- Download

`http://mutuca.metropoa.tche.br/Downloads/RMON2tool.tgz`

- Extract and Install

```
$ tar zxf RMON2tool.tgz
```

```
$ cd RMON2tool
```

```
$ mv * PATH/WHERE/APPLICATION/WILL/BE/STORED
```

NOTE: For instance, the application could be stored in `htdocs`, which is the directory that belongs to Web Server.

Application Configuration

- Edit the config file (conf directory)
 - Change variables to fit the installation of your system

```
RRDTOOL = /usr/local/rrdtool/bin
RRDTOOLABBEH = /usr/local/rrdtool-1.0.28/bin
SITE_ROOT = mutuca.metropoa.tche.br/~lbraga
ROOT_DIR = /home/lbraga/public_html
SNMPCOMMAND_DIR = /usr/local/bin
AT_DIR = /usr/bin
```

- Make sure that the databases, deletes, scripts, graphs and graphs/images directories are configured to the nobody group and with 775 permission
- Install a SVG viewer for your Web Browser