Installing Majorcool

Before installing Majorcool you need to have

- Majordomo installed configured and working
- Apache web server installed, configured and working

To install Majorcool:

1. Create a `majorcool` directory to unpack the source distribution.

   ```
   # mkdir /usr/local/src/majorcool
   ```

2. Change directory to the `majorcool` directory

   ```
   # cd /usr/local/src/majorcool
   ```

3. Get the `majorcool` sources from the ftp site on the workshop noc

   ```
   # ftp noc.ws.afnog.org
   ```

   Login as "`anonymous`" and supply your e-mail address as the password.

   ```
   ftp> cd /pub/t1
   ftp> get majorcool.tar.gz
   ftp> bye
   ```

4. Unpack the majorcool distribution files. NOTE you should be in the /usr/local/src/majorcool directory.

   ```
   # tar -xvzf majorcool.tar.gz
   ```

5. Run the installation script, read carefully and supply answers to questions asked.

   ```
   # sh Configure
   (Korn shell detected. Some ksh's blow up on Configure.
   If so, try the Bourne shell instead.)
   Checking echo to see how to suppress newlines...
   Type carriage return to continue.  Your cursor should be here-->

   The configuration file 'default.sh' has been found from a previous
   installation. If you do not wish to change from your current
   configuration you should be able to just enter <newline> at every
   prompt. This shell script will use the values from the current
   configuration as the defaults for this upgrade of the MajorCool
   software.

   MajorCool can be configured with multiple "personalities". For
   example, it can support multiple Majordomo config files when used
   in a virtual-host Majordomo setup, or multiple "entry-points" into
   the same Majordomo by using differently named CGI scripts.

   The key to this "multiple personality" feature is the config file
   you are creating at this very moment. It is named 'default.sh' and,
   with the answers provided, it will create a 'majorcool_default.cf'
   file to be used by MajorCool.
   ```

```
If you wish to create a new "personality" separate from this current
'default', simply specify an alternate config filename on the
Configure command line:
        Configure default.sh

Press the <newline> key to continue...


Locating programs...
...cpset is install/cpset.
...rolo is not found.

MajorCool interacts with Majordomo and runs under the Majordomo
wrapper program. Therefore it needs to know where to find Majordomo
and the majordomo.cf file (and where to place the MajorCool program).

What is the installation directory of Majordomo?
        [/home/majordomo]:
Will place the MajorCool programs in /home/majordomo.

What is the path to your Majordomo configuration file?
        [/home/majordomo/majordomo.cf]:
Using configuration file name '/home/majordomo/majordomo.cf'

Where would you like temp files created when MajorCool runs?
        [/usr/tmp]:

MajorCool needs to install CGI programs, support files, and icons in
your Web server directories.

What is the root directory for your Web server?
        [/usr/local/apache]:

Where is the cgi-bin directory for your Web server?
        [/usr/local/apache/cgi-bin]:
Will place the programs in /usr/local/apache/cgi-bin.

What is your server's URL for '/usr/local/apache/cgi-bin'?
        [http://ns.t1.ws.afnog.org:8080]:

Where is the image directory for your Web server?
        [/usr/local/apache/icons]: /usr/local/apache/images
Will place the icons in /usr/local/apache/images.

What is your server's URL for '/usr/local/apache/images'?
        [/images]:

Where is the root directory for documents on your Web server?
        [/usr/local/apache/htdocs]:

Each installed "personality" of MajorCool must have its own CGI
script name. For example, you would need multiple instances if
you implemented Majordomo virtual host support or separated the
end-user and admin functions of MajorCool into multiple entry
points.

What are you going to call this MajorCool CGI?
        [majordomo]:

Some Web sites utilize included headers & footers to provide a common
"look and feel". MajorCool can use the same included files (e.g.,
```

```
utilizing site-standard <BODY> attributes) if you tell it where.
(Use 'none' to erase the current values)

Location of HTML header (if applicable)?
        []:
Location of HTML footer (if applicable)?
        []:

MajorCool needs to place it's Help file somewhere on the Web server.
You can (should) have different Help files for each MajorCool copy
you are installing.

Where in /usr/local/apache/htdocs should the Help file be installed?
        [/mc_default_help.htm]:

In order to reference this Help file, we need to know what 'scheme'
or protocol the Web server & CGI will be using. For instance, some
sites might be using Secure HTTP [shttp] or SSL [https]. Most sites
will just use generic HTTP....

What scheme will the Web server be using?
        [http]:

All these files to be installed need to have a user-id and group-id
for ownership. What user/group would you like to use?

Which user-id?
        [bin]:

Which group-id?
        [bin]:

MajorCool needs to know the name you call your site so that it can
include it in the title and header of generated HTML documents. This
is typically a phrase or description as opposed to a URL.

What is the name you call your site?
        [AfNOG3 Track-1 NS-Server]: AfNOG3 Track-1 Majordomo Admin

MajorCool provides a "HOME" button to return to a site's home page.
This is different from the URL of MajorCool itself; this is the
main entry point for your organization's Web.

What URL should be used for the site home?
        [http://ns.t1.ws.afnog.org:8080]:


MajorCool has separate 'modules' for end-user list browsing,
list-owner administration, list creation, and list deletion.
You may selectively enable/disable access to these functions.

Provide end-user BROWSE access [Y]?
Provide administrator MODIFY access [Y]? n
Provide list CREATE access [Y]? n
Provide list RENAME access [Y]? n
Provide list DELETE access [Y]? n

In the interest of speed, the end-user BROWSE function of MajorCool
utilizes a Key Cache file to store frequently accessed list
attributes. You must specify the location for this Cache file.
The setup will create a base Cache file for you, but you will need
to automate this process via cron to ensure continued updates.
```

```
Note: If you have a virtual host setup with multiple Majordomo
domains sharing the $homedir, then you must specify a different
Cache file name for each end-user "personality" you install.

Where do you want to keep the Key Cache file?
        [/home/majordomo/.majordomo_keys]:

MajorCool can use customized address mapping functions to:
o  Define suitable prompts for name and/or address data entry.
o  Define an address mapping function used to tie a name or address
   to a set of address regexp's. These regexp's will be used to
   determine list membership even if a user may be subscribed with
   multiple addresses.
o  Define an address-comparison function used for the sorting of
   subscriber addresses.

Press the <newline> key to continue...

The mapping functions currently provided include:

o  domain - Local domain matching; returns /user@FQDN|user/ if address
   is local to Majordomo host ($whereami). Uses RegExp only if local.

o  domain-smtp -  Local domain matching and DNS/SMTP confirmation of
   remote addresses. Returns /user@FQDN|user/ if address is local to
   Majordomo [$whereami]. Uses RegExp only if local. Requires Perl
   Net-DNS-0.12 and libnet-1.0605 (both on CPAN).

o  ncr-ldap - Uses the "ldapsearch" program, available on the Internet,
   for name-to-address mapping. No RegExps - matches exact address only.

o  ncr-rolo - Uses the "rolo" program for name-to-address mapping.
   Matches ROLO names and deprecated FQDN addresses. No RegExps on
   non-ROLO addresses.

o  ncr-rolo.socal - Uses the "rolo" program for name-to-address mapping.
   Matches all ROLO name formats. Assumes sandiegoca/elsegundoca dual
   local domain. RegExp used only on ROLO match.

o  simple - Generic e-mail address matching. Exact match only. No
   RegExp support.

Which address mapping function will you use?
        [simple]:


MajorCool has a number of options that can be set to customize its
operation.

Require administrators to type the list name [N]?
Require admin password change to be confirmed [Y]?
Do list members see noadvertised lists [Y]? n
Do you trust that users are who they say [N]? n
Do you want to use instruct mode (aka paranoia mode) [N]? y
Perform sub/unsub by having requester use e-mail [N]?
Allow admins to get config file (sent via e-mail) [Y]?
Save Majordomo comments in list config file [Y]?
Use 'server push' effects if supported [Y]?
Return to prior screen after Prefs session [N]?
Allow Internet 'spiders' to index this CGI [Y]? n
```

```
I see that you have enabled 'server push' effects for those browsers
that support it. One of the more time-consuming BROWSE tasks involves
scanning lists for membership and access privileges. On systems with
many lists, the length of the scan might cause the user to wonder
whether MajorCool is truly active. By setting the scan step factor to
a non-zero value (default=50), MajorCool will provide the user with
some feedback via a stepped countdown of the lists remaining to be
scanned. (eg, 150...100...50...)

Specify an update interval (number) here, or 0 for no updated countdown.
(Greater than 20 recommended if this feature is used.)

Update interval?
        [50]:

The screen full of information that will follow is the contents of
the generated default.sh file. Please check that it is correct.

Press the <return> or <newline> key to continue...

#  Configuration file for MajorCool
#  These should only be modified through the use of the Configure script
#  For yes/no values, 0=no, 1=yes

# SYSTEM DETAILS
# How to start a perl script
        PERLBIN="/usr/bin/perl"
# The cpset command for installations
        CPSET="install/cpset"

# MAJORDOMO DETAILS
# Home directory
        DOMO_DIR="/home/majordomo"
# Configuration file location
        DOMO_CONF="/home/majordomo/majordomo.cf"
# Version number
        DOMO_VERSION="1.94.5"

# WEB SERVER DETAILS
# Server scheme (http, shttp, https)
        WEB_SCHEME="http"
# Server root directory
        WEB_ROOT="/usr/local/apache"
# CGI directory
        WEB_CGIDIR="/usr/local/apache/cgi-bin"
# CGI URL
        WEB_CGIURL="http://ns.t1.ws.afnog.org:8080"
# Images directory
        WEB_IMGDIR="/usr/local/apache/images"
# Images URL
        WEB_IMGURL="/images"
# Root for served documents
        WEB_DOCROOT="/usr/local/apache/htdocs"
# Header & footer for common site look
        WEB_HEADER=""
        WEB_FOOTER=""

# MAJORCOOL CONFIG
# The name of this site
        COOL_SITENAME="AfNOG3 Track-1 Majordomo Admin"
# The URL of this site's home page
        COOL_SITEHOME="http://ns.t1.ws.afnog.org:8080"
```

```
# TMP directory
        COOL_TMPDIR="/usr/tmp"
# Location of key cache file
        COOL_CACHE="/home/majordomo/.majordomo_keys"
# CGI program name
        COOL_NAME="majordomo"
# UNIX user/group-id owners
        COOL_USERID="bin"
        COOL_GROUPID="bin"
# Help file for MajorCool
        COOL_HELPFILE="/mc_default_help.htm"
# The address lookup function to use
        COOL_SITEADDR="simple"
# The programs to invoke on CREATE/RENAME/DELETE
        COOL_CREATECMD=""
        COOL_RENAMECMD=""
        COOL_DELETECMD=""

# MAJORCOOL OPTIONS
# Module access
        OPT_ALLOWBROWSE="1"
        OPT_ALLOWMODIFY="0"
        OPT_ALLOWCREATE="0"
        OPT_ALLOWRENAME="0"
        OPT_ALLOWDELETE="0"
# Hide list of lists from admins?
        OPT_HIDDENLISTS="0"
# Admin passwd not in regular config?
        OPT_HIDDENPASSWD="1"
# Members see noadvertised lists?
        OPT_NOADVERTISED="0"
# Trust the address that users enter?
        OPT_TRUSTIDENT="0"
# Use paranoia mode? Sends commands in e-mail...
        OPT_CMDVERIFY="1"
# Send sub/unsub commands in e-mail for user confirmation?
        OPT_SUBVERIFY="0"
# Allow admins to request emailed config?
        OPT_SENDCF="1"
# Save comments in list config file?
        OPT_COMMENTEDCF="1"
# Use MIME screen update feature if supported?
        OPT_MULTIPART="1"
# Return to prior screen after Prefs session?
        OPT_PREFSRETURN="0"
# Allow Internet spiders to index this CGI?
        OPT_ROBOTS="0"
# Update interval during list membership scan.
        OPT_SCANSTEPS="50"

# SITEADDR OPTIONS (may be empty)
Accept the new version? [yes|no|list|edit|diff]? yes
Writing information to 'default.sh' for later use.
The old configuration is saved as OLDdefault.sh.
Press return to install MajorCool using default.sh...

Installing MajorCool programs in '/home/majordomo'
...'majorcool.pl'...
...'mj_key_cache'...
Installing 'majorcool_default.cf' (with siteaddr=simple)
Installing 'majorcool.cgi' as '/usr/local/apache/cgi-bin/majordomo'
Installing MajorCool icons in '/usr/local/apache/images'
```

```
Installing Help file as '/usr/local/apache/htdocs//mc_default_help.htm'

Testing the MajorCool installation.
Press return to test now...

Key Cache format has changed with this release.
Checking file format...

You should next see a bunch of HTML output to the screen. This would
be the MajorCool opening screen if accessed via a Web browser to the
'http://ns.t1.ws.afnog.org:8080/majordomo' address.

+ /usr/local/apache/cgi-bin/majordomo
Content-type: text/html

<HTML>
<HEAD>
        <STYLE type="text/css">
        <!-- Hide Sheet from Ill-Behaved Browsers
.
.
.
Lots of output
.
.
.
</BODY>
</HTML>
+ set +ex

Note: MajorCool can be made even more functional if the Owner keyword
modifications have also been implemented. See the installation
page for details.

Installation/configuration completed successfully.
#
```

6. Check if you have the following directive in your apache config file `/usr/local/apache/conf/httpd.conf`

```
Alias /images/ "/usr/local/apache/images/"

<Directory "/usr/local/apache/images">
   Options Indexes MultiViews
   AllowOverride None
   Order allow,deny
   Allow from all
</Directory>
```

7. Test if the installation worked by opening a browser and point it to your web server with the URL `<http://your.server.url/cgi-bin/majordomo>` you should see the Majorcool admin page.

8. The majorcool e-mail list manager help can be found at <http://your.server.url/mc_default_help.htm>