## Installing MHonArc

Before installing MHonArc you need to have

- Majordomo installed, configured and working.
- Created a working mailing list being archived.
- Apache web server installed, configured and working.
- A directory accessible by the web server where we will serve the mailing list archive

To install MHonArc:

1. Change directory to the `/usr/local/src` directory

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

2. Get the MHonArc 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 MHonArc2.5.4.tar.gz
   ftp> bye
   ```

3. Unpack the MhonArc distribution files.

   ```
   # tar –xvzf MHonArc2.5.4.tar.gz
   ```

4. Change directory to the MhonArc directory

   ```
   # cd /usr/local/src/MHonArc2.5.4
   ```

5. Install MhonArc using the install.me script and answer the install questions as below.

   ```
   # perl install.me
   Pathname of perl executable: ("/usr/bin/perl")
   Directory to install executables: ("/usr/local/bin")
   Directory to install library files: ("/usr/local/lib/perl5/site_perl/5.005")
   Directory to install documentation: ("/usr/doc/MHonArc")
   Directory to install manpages: ("/usr/local/man")
   You have specified the following:
           Perl path: /usr/bin/perl
           Bin directory: /usr/local/bin
           Lib directory: /usr/local/lib/perl5/site_perl/5.005
           Doc directory: /usr/doc/MHonArc
           Man directory: /usr/local/man
   Is this correct? ['y'] y
   (/usr/bin/perl)
   Installing programs to "/usr/local/bin":
       mhonarc => /usr/local/bin/mhonarc
   .
   .
   Lots of output
   .
   .
   #
   ```

6. Create the script `webarchive` in the `/home/majordomo` directory.

```
# cd /home/majordomo
# vi webarchive
```

The following are the contents of the script.

```
#!/usr/local/bin/bash
/usr/local/bin/mhonarc -outdir /usr/local/apache/htdocs/test \
/home/majordomo/lists/test.archive/* -idxfname "index.html" \
-main -title "The TEST Mailing List Archive" -ttitle \
"The TEST Mailing List Thread Archive" -reverse -treverse -multipg -idxsize 30
```

7. Make the webarchive executable by the user you would like to run it.

```
# chmod 750 /home/majordomo/webarchive
```

8. Create a test directory in the DocumentRoot of the apache web server.

```
# mkdir /usr/local/apache/htdocs/test
```

9. Test the webarchive script by running it.

```
# /home/majordomo/webarchive
This is MHonArc v2.5.4, Perl 5.00503 freebsd
Converting messages to /usr/local/apache/htdocs/test
Reading /home/majordomo/lists/test.archive/test.0205 .

Writing mail .
Writing /usr/local/apache/htdocs/test/index.html ...
Writing /usr/local/apache/htdocs/test/threads.html ...
Writing database ...
1 new messages
1 total messages
```

10. Automate the archiving process by making the following entries in the `/etc/crontab` file.

```
# Update the TEST mailing lists web-accessible archive 5-mins to the top of
# every hour.
55      *       *       *       *       root    /usr/majordomo/webarchive
```

11. Check if it worked by pointing your browser to `http://your.web.server.url/test`