

# CONTRIBUTED DOCUMENTATION

## Packaging Apache on Andrew Linux

---

**Stephen Hathorne**  
**Unix Systems Administrator**  
**Infrastructure, Systems, Applications and Middleware**  
**Carnegie Mellon**  
[slh+@cmu.edu](mailto:slh+@cmu.edu)

This document is a tutorial on how to install Apache/PHP4 on an Andrew Linux System.

### Assumptions

This document assumes that you have base familiarity with UNIX Systems Administration, that you have administrative privileges, (a root instance), on the system that need to be modified, and that you have passing familiarity with the Andrew Package System.

### Conventions

\$> Represents a system prompt do not type this.  
Items listed after the \$> prompt are to be typed:

*Example:*

\$> ls

This example indicates for the reader to type the **ls** command after the \$> prompt.

Items listed with borders and gray shaded represent file examples:

```
%define doesreallycoolstuff
```

Items listed in plain Arial Text 12 point font are explanatory in nature, and will comprise most of the document.

*Italicized items represent filenames or special instructions*

**Bold elements generally represent section headings or important topics**

# CONTRIBUTED DOCUMENTATION

## Step by Step Installation

1. Modify ***/etc/package.proto*** to install necessary files
2. Run ***/etc/mpp-package*** to update the system
3. Create a simple index.html file to review.
4. Open a web browser and go to your page as a test

### I. Modify ***/etc/package.proto***

*/etc/package.proto* is a file that is used by the Andrew Package System to update, modify and place files on an Andrew System. In order to have package load the Apache Web Server on an Andrew System we need to add the package define<sup>1</sup>

```
%define doespache
```

```
to /etc/package.proto
```

#### Sample ***package.proto*** file:

```
%define doesapache  
%define doessshd  
%define usesdepot  
%define localdepotdir  
%define contribdepotdir  
%define autolinuxspec  
%include /afs/andrew.cmu.edu/wsadmin/public/src/public.proto
```

Step I is now complete.

### II. Run ***/etc/mpp-package***

```
$>/etc/mpp-package
```

Step II is now complete

---

<sup>1</sup> See Appendix A: Additional Resources for more information on Package

# CONTRIBUTED DOCUMENTATION

## III. Create a simple index.html

At this point the Apache Web Server should be in place, let's create a simple index.html file in /usr/www/tree directory (the default DocumentRoot Directory for Andrew Linux). This will allow us to test the Apache Installation.

### Sample index.html

```
<html>
<head>
<title>This is a sample index.html file</title>
</head>
<body>
<h1><center>This is a test</center></h1>
</body>
</html>
```

You should now be able to open a web browser, and enter the name of your machine into the address bar and get your index page.

Apache is now installed on your machine.

# CONTRIBUTED DOCUMENTATION

## Appendix A—Additional Resources

Additional information on package can be found at:

[http://www.cmu.edu/computing/documentation/andrw\\_package/package.html](http://www.cmu.edu/computing/documentation/andrw_package/package.html)

Additional information and documentation on Apache can be found at:

<http://acs-wiki.andrew.cmu.edu/twiki/bin/view/Andrewenv/SoftwareHowTos>

<http://www.apache.org>