

Overview

For this drill, you will write a man page for your Assignment 6 HTTP daemon. The HTTP daemon will take a few command line options:

- the `-p` option specifying the port
- the `-h` option specifying the host
- the `-l` option specifying the access log file
- the document root

Man Syntax

A man page starts with the following structure:

2. A **NAME** section, giving the name and a one-line description of the program.
3. A **SYNOPSIS** section, summarizing the command line options.

From there on, there is more deviation. The next section is often **DESCRIPTION**, describing the program in more detail; or **OPTIONS** or **DETAILS**, providing more details on each command line arguments. For documenting `forking-httpd`, I recommend a **DESCRIPTION** section followed by an **OPTIONS** section.

After these detailed descriptions, and any additional sections needed to describe the program's behavior, there is often the following:

- **SEE ALSO**, referencing additional man pages, books, and resources to understand the program's behavior.
- **ACKNOWLEDGEMENTS**, thanking people and organizations who contributed to the program.
- **COPYRIGHT**, with relevant copyright details on the program.

Man pages are traditionally written in `roff`, using either the `-man` or `-mdoc` macros. If you wish to write your man page in `ROFF` necessary to view it with `man` I recommend using `-mdoc`. The `groff_mdoc` man page has details on writing man pages with `mdoc`.

However, if you wish, you may use Word or any other program that can produce a PDF to write your man page, provided that the result is formatted like a man page. The course syllabus is an example of a man page as a PDF. I have also attached another man page converted to a PDF, so you can see how programs documentation is often formatted. Follow the general formatting conventions (use of monospace, bold, etc.) in your man page.

Your man page needs to document the following:

- All command line options, and the general command line usage, along with the default values for any optional arguments.
- That the program listens on a particular port (and host, if provided) for HTTP requests.
- That the program serves the content from the document root.
- That the `index.html` file is used if a directory is requested.

The man page should be in clear, grammatically-correct English.

Submit the PDF of your man page, along with the roff source if you wrote it in roff.