Install **apache-mpm-worker** it has php

The apache process is a listening device. It takes the browser request and hands it off to a child process.

**Children process provide**
1. parallel processing multiple children running at one time
2. memory and code containment you can kill the children not the parent process

You can configure apache to
- Specify the number of children.
- Specify that apache kills the child after a specific number of requests (maintenance)
- Set the maximum and minimum number of children
- Destroy unused children after a certain amount of time.

**Server Alias**

```
<virtual host>
  Server Name  wwwldsctux.net
  Server Alias  www foo.com  bar.com  *.php.cs.dixie.edu
  Document Root  /var/www/
</virtual host>
```

(*.php.cs.dixie.edu is an example of wildcarding an alias)

**alias** is a space separated list

**Log Files**

- `/var/log/apache2/access.log`
  logs server access: traffic amount, where traffic comes from
- `/var/log/apache2/error.log`
  shows errors in php
  shows attempts to access non existing files

You can make additional log files. For example you could create a error or access log for a virtual host. See how to at [http://apache.org/docs/2.2](http://apache.org/docs/2.2)

**Redirects**

URL request ➞ translated ➞ resource found

```
http://host/a/b/c  ➞  http://host/alpha.html
```

**Proxy**

- **LAN proxy**
  - **inet** outgoing proxy
  - **inet** incoming proxy