



Exercise 8.2: Create a rewrite rule for “pretty” CGI script URLs

NOTE: If you have done the virtualhost lab from the previous chapter you need to add these two lines inside of the `namevhost.conf` file in the `_default_` namevhost section:

```
RewriteEngine on
RewriteOptions inherit
```

Make any URIs which begins with:

```
http://localhost/foo/.*
```

Redirect transparently to the cgi script:

```
http://localhost/scripts/foo.cgi?.*
```

Solution 8.2

1. Create a configuration include file in the suggested location below which sets up the proper rewrite rules:

```
RewriteEngine on
RewriteRule ^/foo/(.*) /scripts/foo.cgi?$1 [L,PT]
```

- On **CentOS** use the file
`/etc/httpd/conf.d/rewrite.conf`
- On **Ubuntu** use the file
`/etc/apache2/sites-enabled/rewrite.conf`
- On **OpenSUSE** use the file
`/etc/apache2/conf.d/rewrite.conf`
- **Note:** on **Ubuntu** and **Debian** systems the **rewrite** commands seem to work best in the **000-default.conf** file. If using **Ubuntu** or **Debian** systems put the following inside the virtualhost stanza of the **000-default.conf** file.

```
RewriteEngine on
RewriteOptions inherit
RewriteRule ^/foo/(.*) /scripts/foo.cgi?$1 [L,PT]
```

2. If required, enable the rewrite module:

- On **OpenSUSE**: Edit the file `/etc/sysconfig/apache2` and edit the line with the `APACHE_MODULES`, and add the value `rewrite`
- On **Ubuntu**: Enable the rewrite module to be loaded

```
# ln -s /etc/apache2/mods-available/rewrite.load /etc/apache2/mods-enabled/
```

3. Restart **Apache** and test your new URI.

```
http://localhost/foo/bar
```