



## Exercise 8.1: Create a new cgi script-enabled directory `/new-cgi/` served at the URI `/scripts/`.

Create the script `/new-cgi/foo.cgi` with the following contents (you may have to create the directory `/new-cgi/`):

```
#!/bin/bash
echo -e "\n"
echo -e "Content-type: text/plain\n\n"
echo -e "File is $1\n"
```

### Solution 8.1

1. Verify your script has execute permissions.

```
$ chmod +x /new-cgi/foo.cgi
```

2. Create a configuration **include** file in the location suggested below which, enables **cgi-scripts** for the `/scripts/` URI.

```
ScriptAlias /scripts/ /new-cgi/
<Directory /new-cgi/>
    Require all granted
</Directory>
```

- On **CentOS** use the file:

```
/etc/httpd/conf.d/newscripts.conf
```

- On **Ubuntu** use the file:

```
/etc/apache2/sites-enabled/newscripts.conf
```

- On **OpenSUSE** use the file:

```
/etc/apache2/conf.d/newscripts.conf
```

3. If required, enable the cgi module:

- On **Ubuntu** and **Debian**: Enable the cgi module to be loaded.

```
# ln -s /etc/apache2/mods-available/cgi.load /etc/apache2/mods-enabled/
or
# a2enmod cgi
```

4. Restart **Apache** and test your new script. `http://localhost/scripts/foo.cgi?bar`