## **Setup for Python**

1.

```
Proot@lima-vc-1:/etc/httpd/conf
                                                                        X
 GNU nano 2.0.9
                              File: httpd.conf
AddType application/x-gzip .gz .tgz
   MIME-types for downloading Certificates and CRLs
AddType application/x-x509-ca-cert .crt
AddType application/x-pkcs7-crl .crl
 AddHandler allows you to map certain file extensions to "handlers":
 actions unrelated to filetype. These can be either built into the server
 or added with the Action directive (see below)
# To use CGI scripts outside of ScriptAliased directories:
 (You will also need to add "ExecCGI" to the "Options" directive.)
AddHandler cgi-script .cgi .py
 For files that include their own HTTP headers:
            ^O WriteOut ^R Read File ^Y Prev Page ^K Cut Text ^C Cur Pos
  Get Help
               Justify
                            Where Is
                                       ^V Next Page ^U UnCut Text^T To Spell
```

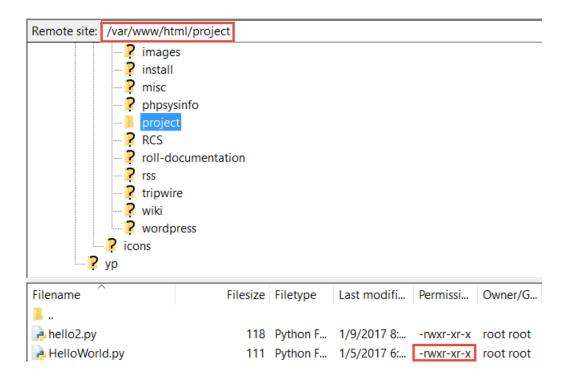
2.

```
GNU nano 2.0.9 File: /etc/ld.so.conf

include ld.so.conf.d/*.conf
/lib64
/usr/lib64
/usr/kerberos/lib64
/opt/python/lib
```

3.

```
#!/opt/python/bin/python
2 # -*- coding: utf-8 -*-
3 print "Content-type: text/html"
4 print ""
5
6 print "Hello, world!"
```



5.

```
21 Oct 27 17:30 install -> /export/rocks/install
lrwxrwxrwx 1 root root
drwxr-xr-x 2 root root 4096 Oct 27 17:26 misc
drwxr-xr-x 11 root root 4096 Oct 27 17:26 phpsysinfo
drwxr-xr-x 2 root root 4096 Jan 9 05:48 project
                         4096 Oct 27 17:46 RCS
          2 root root
-rw-r--r-- 1 root root
                            0 Oct 27 17:30 robots.txt
drwxr-xr-x 9 root root
                         4096 Oct 27 17:26 roll-documentation
drwxr-xr-x 3 root root 4096 Oct 27 17:26 rss
                         4096 Jan 1 03:29 tripwire
drwxr-xr-x 7 root root
drwxr-xr-x 13 root root
                         4096 Oct 27 17:26 wiki
drwxr-xr-x 7 root root
                         4096 Oct 27 17:46 wordpress
[root@lima-vc-1 html]# cd project
root@lima-vc-1 project]# dos2unix helloWorld.py
```

## **Problem**

```
require_once("bookedapi.php");
session_start();

$username = 'task2g2';
$password = 'cherpoghbam';
$bookedApiUrl =
   'http://fiji.rocksclusters.org/cloud-scheduler/Web/Services/index.php';
$bookedapiclient = new bookedapiclient($username, $password, $bookedApiUrl);
$bookedapiclient-> authenticate(true);

$allReservations = $bookedapiclient->getReservation();
echo(json_encode($allReservations));

?>
```

We use 'request' module for using BookedAPI in our Python script and specify the url from BookedAPI documentation. But when we test this script on the browser, it show that url was not found on the server.

We have not found the correct url on the server and we are not sure, is this a good way to use Python with BookedAPI.

```
data = {"username":username,"password":password}
authURL = 'http://lima-vc-1.sdsc.optiputer.net/cloud-scheduler/Web/Services/Authentication/Authenticate'
response = requests.post(authURL,params=data)

# Print the status code of the response.
print(response.status_code)
print(response.content)
print 'Hello, world!'
```

```
Name
Authenticate

Description
Authenticates an existing Booked Scheduler user

Route
/cloud-scheduler/Web/Services/Authentication/Authenticate

Response

{"sessionToken": "sessiontoken", "sessionExpires": "2017-01-10T05:54:50-0800", "userId":123, "isAuthenticated": true, "links": [], "message": null}

Request

{"username": null, "password": null}
```