

## Setup for Python

1.

```
root@lima-vc-1:/etc/httpd/conf
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:
```

2.

```
root@lima-vc-1:~
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!"
```

4.

| Remote site: /var/www/html/project   |          |             |                |             |            |  |
|--|----------|-------------|----------------|-------------|------------|--|
| <ul style="list-style-type: none"> <li>? images</li> <li>? install</li> <li>? misc</li> <li>? phpsysinfo</li> <li>project</li> <li>? RCS</li> <li>? roll-documentation</li> <li>? rss</li> <li>? tripwire</li> <li>? wiki</li> <li>? wordpress</li> <li>? icons</li> <li>? yp</li> </ul> |          |             |                |             |            |  |
| Filename   | Filesize | Filetype    | Last modifi... | Permissi... | Owner/G... |  |
| ..   |          |             |                |             |            |  |
| hello2.py  | 118      | Python F... | 1/9/2017 8:... | -rwxr-xr-x  | root root  |  |
| HelloWorld.py  | 111      | Python F... | 1/5/2017 6:... | -rwxr-xr-x  | root root  |  |

5.

```

lrwxrwxrwx  1 root root    21 Oct 27 17:30 install -> /export/rocks/install
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
drwx----- 2 root root 4096 Oct 27 17:46 RCS
-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
drwxr-xr-x  7 root root 4096 Jan  1 03:29 tripwire
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

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

$username = 'task2g2';
$password = 'cherpoghbam';
$bookedApiUrl =
'http://fiji.rockclusters.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}
```