Python Developers

Python Developers need to have IIIT specific CAS libraries installed on their system. The libraries can be downloaded from here [http://login.iiit.ac.in/help/files/pyiiit-0.1.0.zip] (Mod_python 3.3+ needed) . Alternatively, you can run the following command to get the library

```
hg clone http://bitbucket.org/iiit/pyiiit/
```

These libraries are mod_python specific and not for python-cgi

Installation

Unzip the package downloaded from above and run the following command as root to install the libraries

```
python setup.py install
```

You need to have distutils installed to be able to run the setup script.

The library is pre-installed on the following servers:

- iiit.ac.in (and all virtual hosts)
- web.iiit.ac.in
- researchweb.iiit.ac.in

Usage

Python CAS library automatically authenticates and manages the Sessions for you. To use CAS, first import the cas module using

```
from iiit import cas
```

In the page handler, put these lines on the top (before any other header is written on req object)

```
c = cas.CASClient(req)
c.ValidateSession()
```

This will make sure that user is authenticated before the next line is executed. To get the username of the user who was authenticated, use

```
c.getUser()
```

CASClient maintains Sessions internally. Since there can only be one reference to current Session in any handler, hence to store and retrieve values from the session, use the following functions

```
    # Saving to Session
    c.SaveToSession(key,value)

    # Retrieving from Session
    c.GetFromSession(key) # Returns None if key not found
```

To get the session ID, use

```
    c.getSessionId()
```

To logout, use

```
    c.Logout()
```

Sample Code

sample.py

```python
from iiit import cas

def index(req):
    c = cas.CASClient(req);
    c.ValidateSession();
    req.content_type = "text/html";
    req.write("""
                <html>
                <head>
                <title>Sample Page</title>
                </head>
                <body>
                <center>
                <h1>Hello, %s !</h1>
                </center>
                </body>
                </html>""" % (c.getUser(),))
```

You can view the sample here http://login.iiit.ac.in/help/samples/sample.py/index [http://login.iiit.ac.in/help/samples/sample.py/index]