# DEPLOY CAS CLIENT MODULE ON OBM SYSTEMS

## **System Requirements**

- OBM 2.5.3
- LAMP Stack:
  - Apache 2.2.15
  - MySQL 5.5.34
  - PHP 5.4.21
- Roundcubemail 0.8.7
- · Roundcube plugin
  - <a href="https://github.com/dfwarden/Roundcube-CAS-Authn">https://github.com/dfwarden/Roundcube-CAS-Authn</a>
- phpCAS 1.3.2 (<a href="https://wiki.jasig.org/display/CASC/phpCAS">https://wiki.jasig.org/display/CASC/phpCAS</a>)

# **Preparations**

#### 1. Backup your Roundcube configuration

```
# cd /usr/share/obm/php/webmail/config
# cp main.inc.php main.inc.php.bak
```

### 2. Make a new dir named "cas\_authn\_testing" in roundcube's plugin dir

```
# mkdir -p /usr/share/obm/php/webmail/plugins/cas_authn_testing
# chown -R apache.apache /usr/share/obm/php/webmail/plugins/cas_authn_testing
# ls -l /usr/share/obm/php/webmail/plugins | grep cas
```

#### **Deploy CAS Client Module**

#### 1. Download CAS client module to your client box

# git clone git@github.com:dfwarden/Roundcube-CAS-Authn.git

#### 2. Upload downloaded CAS client module to your OBM Systems

# rsync -avz -e 'ssh -p 8022' cas\_authn/\* <a href="mailto:root@">root@</a></a>your-server-hostname>:/usr/share/obm/php/webmail/plugins/cas\_authn\_testing/

#### 3. Download phpCAS 1.3.2 to your OBM Systems

```
# cd /usr/share/obm/php/webmail/plugins/cas_authn_testing
# wget downloads.jasig.org/cas-clients/php/current/CAS-1.3.2.tgz
# wget http://downloads.jasig.org/cas-clients/php/1.2.2/CAS-1.2.2.tgz
# tar zxvf CAS-1.3.2.tgz
# tar zxvf CAS-1.3.2/* .
# mv -v CAS-1.3.2/* .
# mv -v CAS-1.3.2/* .
# rm -R CAS-1.3.2
# rm -Rf CAS-1.2.2
```

## 4. Chown "apache" user and group to dir containing CAS client module

# chown -R apache.apache /usr/share/obm/php/webmail/plugins/cas\_authn\_testing/
# chown -R apache.apache /usr/share/obm/php/webmail/plugins/cas\_authn

## 5. Config your roundcube configuration to use new installed plugin

# cd /usr/share/obm/php/webmail/config

```
# vim main.inc.php +383
// ------
// PLUGINS
// -----
// List of active plugins (in plugins/ directory)
//$rcmail_config['plugins'] = array('obm_cas_client');
$rcmail_config['plugins'] = array('cas_authn');
```

Save the config file and exit.

#### 6. Rename config.inc.php.dist file

```
# cd /usr/share/obm/php/webmail/plugins/cas_authn/
# cp config.inc.php.dist config.inc.php
```

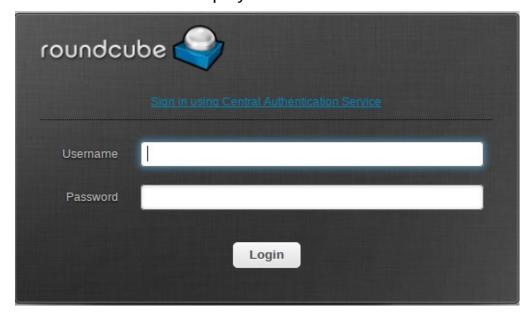
#### 7. Reload your Apache Web Server

# service httpd reload

# 8. Access your Roundcube Webmail

https://<your-server-hostname>/webmail/

Your web client content will be displayed as below:



9. Click the button "Sign in using Central Authentication Service" if you want to use SSO

#### **Deploy pam\_cas module**

#### **Preparation**

- openssl (1.0.0)
- development tools (gcc, cvs, libgcc...)

#### 1. Download the module "pam\_cas"

# cd /usr/share/obm/php/webmail/plugins/cas\_authn\_testing

# wget <a href="https://sourcesup.renater.fr/frs/download.php/2418/Pam\_cas-2.0.11-esup-2.0.5.tar.gz">https://sourcesup.renater.fr/frs/download.php/2418/Pam\_cas-2.0.11-esup-2.0.5.tar.gz</a>

# tar zxvf Pam\_cas-2.0.11-esup-2.0.5.tar.gz

#### 2. Verify that openssl is installed on system

# rpm -qa | grep openssl

#### 3. Verify that "development tools" are installed on system

```
# rpm -qa | grep gcc
```

# yum groupinstall "Development Tools"

# 4. Compile the module

```
# cd Pam_cas-2.0.11-esup-2.0.5/sources/
```

# my Makefile.redhat Makefile

# vim Makefile +8

Edit the content of Makefile as below:

CPFLAGS = -O2 -fPIC

Save the file and exit.

# make

# make test

# ldd pam cas.so

#### 5. Review the configuration file of the module

# cd /usr/share/obm/php/webmail/plugins/cas\_authn\_testing/Pam\_cas-2.0.11-esup-2.0.5/

# less pam\_cas.conf

#### **6. Using the module (Integration for the IMAP Server)**

```
# cd /usr/share/obm/php/webmail/plugins/cas_authn_testing/Pam_cas-2.0.11-esup-2.0.5/sources
```

# cp pam\_cas.so /lib/security/

# cp ../pam\_cas.conf /etc/

# Is -I /lib/security/

# cp /etc/pam.d/imap /etc/pam.d/imap.bak

# vim /etc/pam.d/imap

auth sufficient /lib/security/pam\_cas.so -simap://127.0.0.1 -f/etc/pam\_cas.conf

Save the file and exit.

# service cyrus-imapd restart

## 7. Configure the module

http://www.esup-portail.org/consortium/espace/SSO\_1B/tech/cas/cas\_pam.html