

PHP CAS Setup - Simple

This article is a reference guide for setting up PHP applications running CAS for UGA. This content is provided for informational purposes for UGA authorized personnel. This will help you get started.

1. [EITS reference guide](#)
2. [CAS Reference Guide](#)
3. [Request CAS Access](#)
4. [Download the PHP CAS library from Jasig.org](#). The file will be a Gzipped Tar File (TGZ). If you are running windows, you may need to use a program like WinRAR.
 - After unzipping the file, find the CAS folder. Copy it along with the CAS.php file to a folder in your project called phpcas.

The file structure is like this:

- phpcas
 - CAS
 - Languages
 - PGStorage
 - ProxiedService
 - ProxyChain
 - Request
 - AuthenticationException.php
 - Autoload.php
 - Client.php
 - CookieJar.php
 - Exception.php
 - GracefullTerminationException.php
 - InvalidArgumentException.php
 - OutOfSequenceBeforeAuthenticationCallException.php
 - OutOfSequenceBeforeClientException.php
 - OutOfSequenceBeforeProxyException.php
 - OutOfSequenceException.php
 - ProxiedService.php
 - ProxyChain.php
 - ProxyTicketException.php
 - TypeMismatchException.php
 - CAS.php

5. Upload the files to root /phpcas (outside your public_html folder). This should be your site's root folder where your etc and cgi-bin folders are located.
6. You need to upload the config files, log files and key files for dev and prod to your etc directory. prodcas.pem and devcas.pem are located in the etc folder in this project.

Simple Cas

1. Upload etc/config.php to your etc directory. This is an example of the areas of the config.php file that you will need to modify.

```
////////////////////////////////////
// Basic Config of the phpCAS client //
////////////////////////////////////
// source folder
define('__ROOT__', dirname($_SERVER["DOCUMENT_ROOT"]));
$phpcas_path = __ROOT__.'/phpcas/source';

// Full Hostname of your CAS Server
# prod = 'cas.uga.edu', dev = cas.dev.uga.edu, stage = cas.stage.uga.edu
$cas_host = 'cas.uga.edu';

// Context of the CAS Server
$cas_context = '/cas';

// Port of your CAS server. Normally for a https server it's 443
$cas_port = 443;

// Path to the ca chain that issued the cas server certificate
# Either /etc/prodcas.pem or /etc/devcas.pem
$cas_server_ca_cert_path = __ROOT__.'/etc/prodcas.pem';
```

2. Upload index.php to your website where you want CAS protection. You can choose the CAS or the CAS_SAML implementation. CAS_SAML provides access to user information from Active Directory. When you set up the CAS client in index.php, you will choose one or the other. The two options are below:

CAS

```
phpCAS::client(CAS_VERSION_2_0, $cas_host, $cas_port, $cas_context);
```

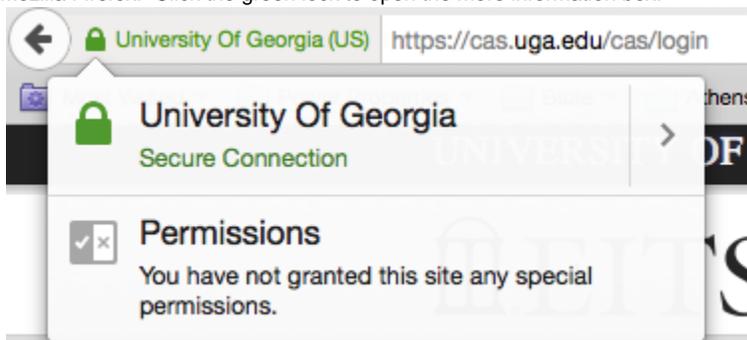
CAS_SAML

```
phpCAS::client(SAML_VERSION_1_1, $cas_host, $cas_port, $cas_context);
```

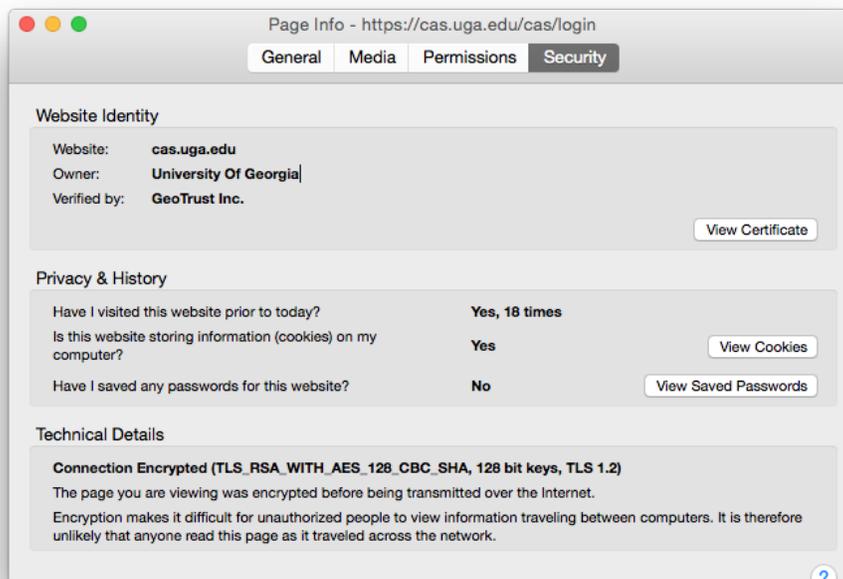
3. Change the paths according to the environment that you are wanting to test against. (dev, stage or prod).
4. You need to wait for your application to be added to CAS Dev and then wait for someone on the security team to contact you about testing your application in Dev. If your application is approved in Dev you will be able to move to Staging. If it is approved in Staging, you will be able to move to CAS Prod. You will coordinate this with the team that contacts you regarding your CAS request. You will need to modify the code each time to accommodate Dev, Stage or Prod.
5. Errors will probably happen. Please refer to the /etc/log file.

Maintenance

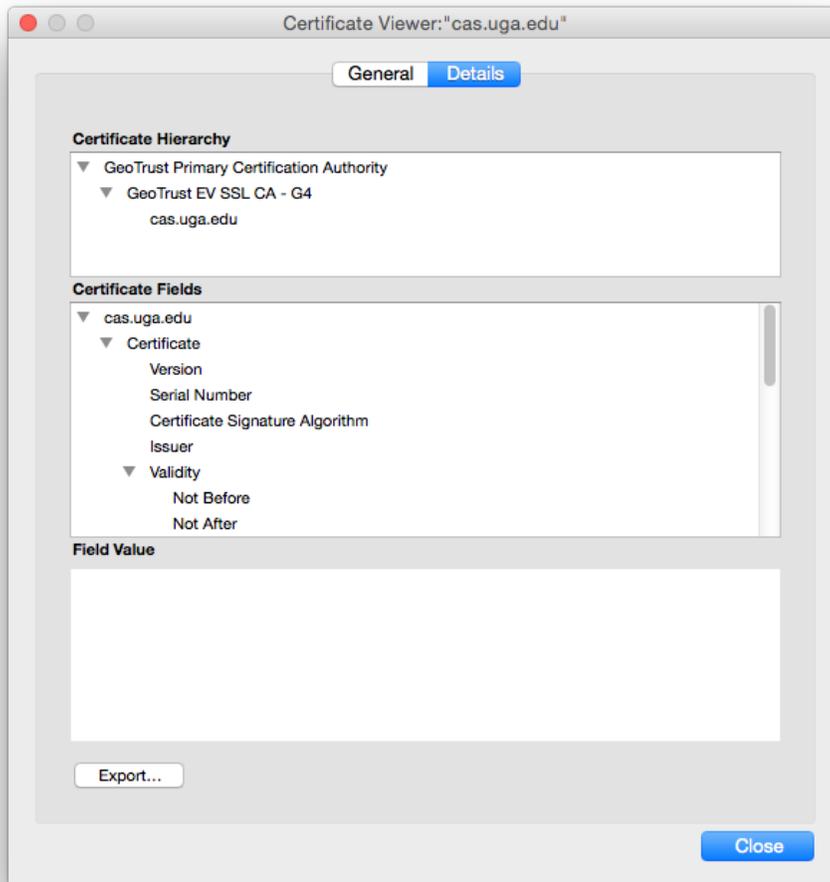
- From time to time, the CAS SSL cert will have to be renewed. In this case, you must get the new public key cert file and update it in your application. There is a cert for dev and prod. Whichever one is being updated is the one that you will have to request from someone in Networking. Your CAS application may quit working if you do not update the CAS SSL certificate in the /etc folder.
- If the CAS SSL cert has been renewed already, you can manually update it by opening <https://cas.uga.edu> (or <https://cas.dev.uga.edu>) in Mozilla Firefox. Click the green lock to open the more information box.



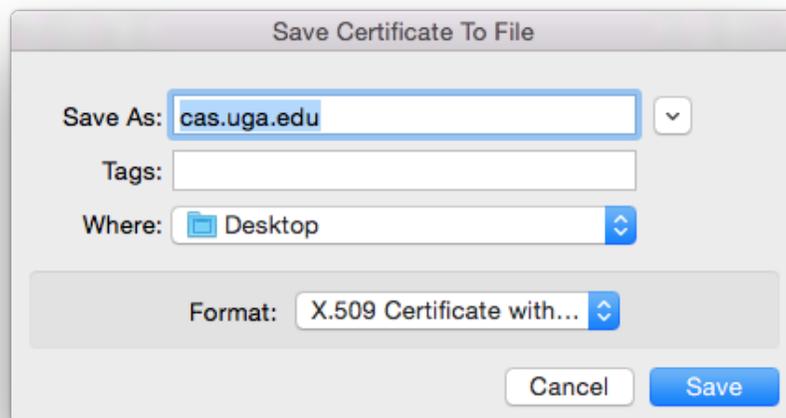
- Click the right-pointing arrow and then click the More Information button and you will see a screen similar to this:



- Under the Security tab click View Certificate. Click the Details tab



- Under the Details tab you will see a button called Export... Click it.



- You will see a Format select box at the bottom of the new window. Select X.509 Certificate with chain (PEM). Then click Save.
- You can use the saved certificate to update the one on your server.

Downloads

CAS_PHP_Simple.zip

Related articles

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- PHP CAS Setup - Simple