CAS SERVER

etc/cas/config/cas.properties

```
-----------------------------------------------
cas.server.name: https://localhost:8443
cas.server.prefix: https://localhost:8443/cas

cas.adminPagesSecurity.ip=127\.0\.0\.1

cas.serviceRegistry.initFromJson=true
cas.serviceRegistry.json.location:    file:/etc/cas/services/

logging.config: file:/etc/cas/config/log4j2.xml

cas.tgc.secure:true
cas.tgc.crypto.signing.key: xxxxxxxxxx
cas.tgc.crypto.encryption.key: xxxxxxxxxx

cas.webflow.crypto.signing.key: xxxxxxxxx
cas.webflow.crypto.encryption.key: xxxxxxxxxx
----------------------------------------
```

etc/cas/services/HTTPSandIMAPSwildcard-20191123015310.json

```
{
  /*
   * Wildcard service definition that applies to any https or imaps url.
   * Do not use this definition in a production environment.
   */
  "@class" :           "org.apereo.cas.services.RegexRegisteredService",
  "serviceId" :          "^https://.*",
  "name" :             "HTTPS and IMAPS wildcard",
  "allowed" :          true,
  "ssoEnabled" :       true,
  "anonymousAccess" :   false,
  "id" :               20191123015310,
  "evaluationOrder" :   99999
}
```

---

mod_auth_cas Client

apache site virtualhost configuration

```
<IfModule mod_ssl.c>
        <VirtualHost _default_:443>
                ServerAdmin webmaster@localhost
                ServerName 10.70.30.1
                DocumentRoot /var/www/html

                ErrorLog ${APACHE_LOG_DIR}/error.log
                CustomLog ${APACHE_LOG_DIR}/access.log combined
```

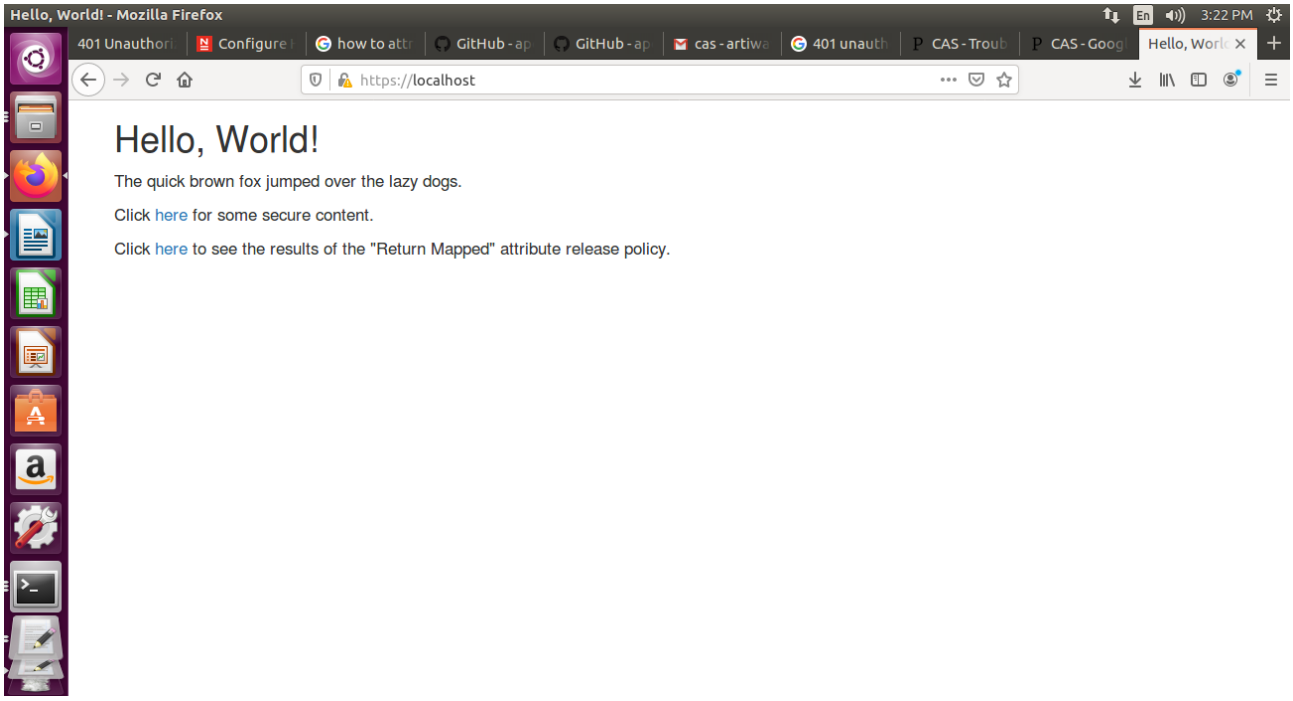
```
                SSLEngine on
                SSLCertificateFile    /etc/apache2/ssl.crt/ssl/keystore.crt
                SSLCertificateKeyFile /etc/apache2/ssl.crt/ssl/keystore.key


                #   Server Certificate Chain:
                SSLCertificateChainFile /etc/apache2/ssl.crt/ssl/casdev-all.crt


                #SSLOptions +FakeBasicAuth +ExportCertData +StrictRequire
                <FilesMatch "\.(cgi|shtml|phtml|php)$">
                                SSLOptions +StdEnvVars
                </FilesMatch>
                <Directory /usr/lib/cgi-bin>
                                SSLOptions +StdEnvVars
                </Directory>


          <Directory "/var/www/html/secured-by-cas">
                <IfModule mod_auth_cas.c>
                        AuthType CAS
                        CASAuthNHeader On
                </IfModule>
                Require valid-user

        </Directory>

           <Directory "/var/www/html/return-mapped">
                <IfModule mod_auth_cas.c>
                         AuthType        CAS
                         CASAuthNHeader  On
                </IfModule>

                Require valid-user
          </Directory>


        </VirtualHost>

</IfModule>
----------------------------
```

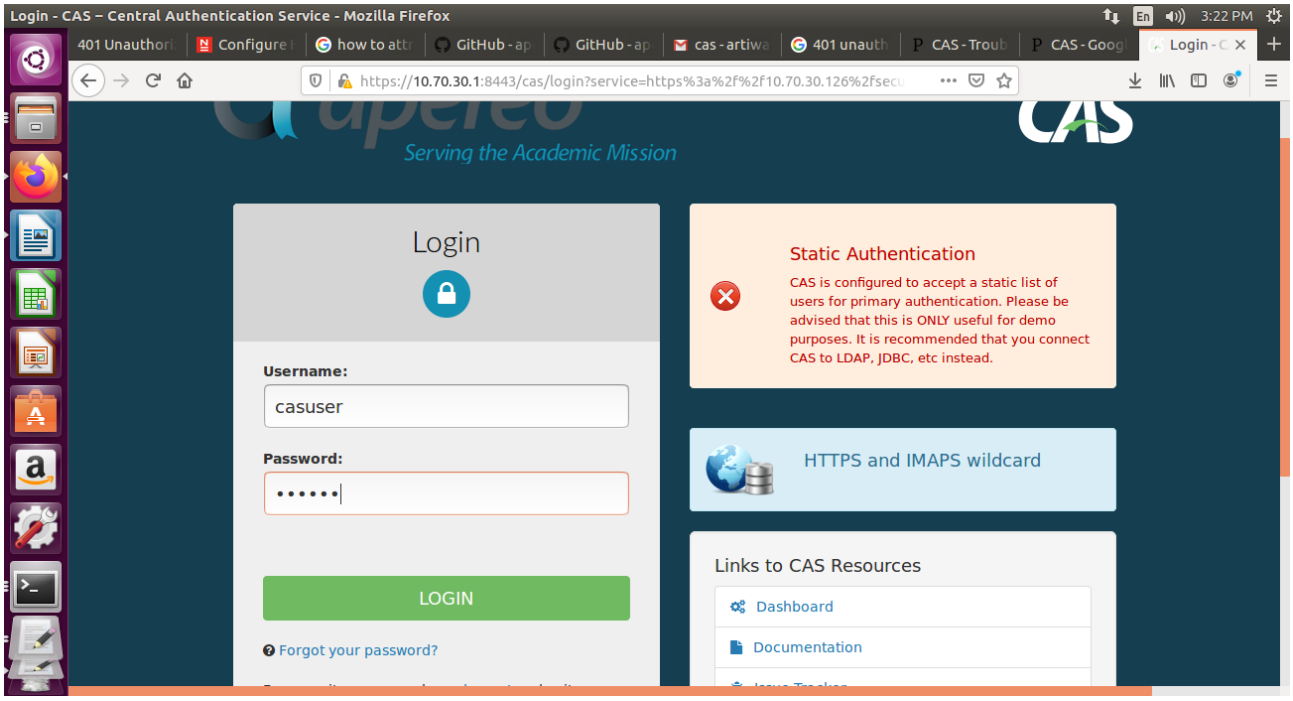
/etc/apache2/mods-available/auth_cas.conf

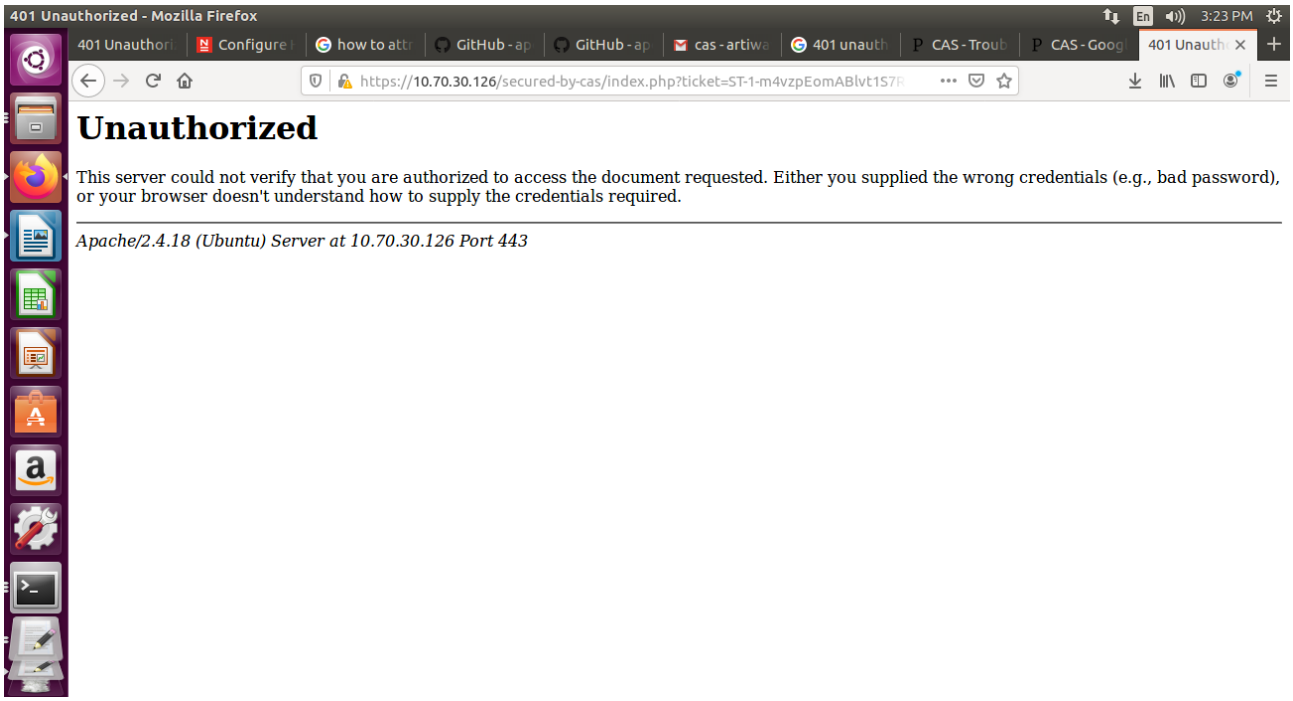
```
-----------------------------------------
<IfModule !mod_auth_cas.c>
   LoadModule          auth_cas_module /usr/lib/apache2/modules/mod_auth_cas.so
</IfModule>
   CASLoginUrl          https://10.70.30.1:8443/cas/login
   CASValidateUrl       https://10.70.30.1:8443/cas/serviceValidate
   CASCookiePath          /var/cache/apache2/mod_auth_cas/
```

```
CASRootProxiedAs        https://10.70.30.126
CASValidateSAML       Off
CASSSOEnabled         On
CASDebug              On
CASCertificatePath    /etc/apache2/ssl.crt/keystore.jks
CASVersion            2
LogLevel              debug
------------------------------------------------------------
```

Output:






401 Unauthorized - Mozilla Firefox
En
3:23 PM
401 Unauthori
Configure
how to attr
GitHub - ap
GitHub - ap
cas - artiwa
401 unauth
CAS - Troub
CAS - Googl
401 Unauth
https://10.70.30.126/secured-by-cas/index.php?ticket=ST-1-m4vzpEomABlvt1S7R
Unauthorized
This server could not verify that you are authorized to access the document requested. Either you supplied the wrong credentials (e.g., bad password), or your browser doesn't understand how to supply the credentials required.
Apache/2.4.18 (Ubuntu) Server at 10.70.30.126 Port 443