

# Deploying esup-helpdesk with CAS, Shibboleth and application users

This page shows how the esup-helpdesk application can be deployed with CAS, Shibboleth and application authentications.

## Shibboleth

### Frontal server

The Shibboleth authentication is performed by a frontal Apache proxy server with mod\_shib (e.g. **frontal.domain.edu**). This server proxies all the requests to an application server (e.g. **application.domain.edu**), served by Tomcat and on which the esup-helpdesk application is installed.

```
<VirtualHost frontal.domain.edu:80>
    ServerName frontal.domain.edu
    VirtualDocumentRoot /data/webapps/frontal.domain.edu
    ProxyPass /esup-helpdesk ajp://application.domain.edu:8080/esup-helpdesk min=0 max=100 smax=50 ttl=10
    timeout=60
    ProxyPass /shibboleth !
    ProxyErrorOverride On
    ErrorDocument 403 "You are not allowed!"
    <Location ~ "/esup-helpdesk/stylesheets/shibboleth.faces">
        AuthType shibboleth
        ShibRequireSession On
        require valid-user
    </Location>
</VirtualHost>
```

## CAS

### Application server until version 3.29.11

The configuration of esup-helpdesk on the application server is:

#### /build.properties

```
quick-start=true
tomcat.host=frontal.domain.edu
tomcat.ajp-port=8080
tomcat.cas-port=80
tomcat.path=/esup-helpdesk
```

#### /properties/config.properties

```
auth.useCas=true
auth.useShibboleth=true
auth.useApplication=true
cas.url=https://cas.domain.edu
app.servletUrl=http://frontal.domain.edu/esup-helpdesk
```

### Application server from version 3.30

The configuration of esup-helpdesk on the application server is:

## **/WEB-INF/web.xml**

```
<filter>
  <description>
    The CAS filter, used to authenticate users.
  </description>
  <display-name>CASFilter</display-name>
  <filter-name>CAS Filter</filter-name>
  <filter-class>
    edu.yale.its.tp.cas.client.filter.CASFilter
  </filter-class>
  <init-param>
    <param-name>
      edu.yale.its.tp.cas.client.filter.loginUrl
    </param-name>
    <param-value>
      https://cas.domain.edu/login
    </param-value>
  </init-param>
  <init-param>
    <param-name>
      edu.yale.its.tp.cas.client.filter.validateUrl
    </param-name>
    <param-value>
      https://cas.domain.edu/serviceValidate
    </param-value>
  </init-param>
  <init-param>
    <param-name>
      edu.yale.its.tp.cas.client.filter.serverName
    </param-name>
    <param-value>helpdesk.domain.edu</param-value>
  </init-param>
  <init-param>
    <param-name>
      edu.yale.its.tp.cas.client.filter.wrapRequest
    </param-name>
    <param-value>true</param-value>
  </init-param>
</filter>
<filter-mapping>
  <filter-name>CAS Filter</filter-name>
  <url-pattern>/stylesheets/cas.faces</url-pattern>
</filter-mapping>
```

## **/properties/config.properties**

```
auth.useCas=true
auth.useShibboleth=true
auth.useApplication=true
cas.url=https://cas.domain.edu
app.servletUrl=http://helpdesk.domain.edu
```