CAS

1. CAS□□

CAS — Central Authentication Service

- CAS Server CASDDDDDDCASDDDDDDDDDDDTGTDSTDD

1.1. 0000

CAS Server

https://github.com/apereo/cas-overlay-template

DDDDDDcas.example.org

```
keytool -genkey -alias cas -keyalg RSA -validity 999 \
    -keystore /etc/cas/thekeystore -ext san=dns:cas.example.org
Enter keystore password: changeit
Re-enter new password: changeit
What is your first and last name?
  [Unknown]: cas.example.org
What is the name of your organizational unit?
  [Unknown]: test
What is the name of your organization?
  [Unknown]: test
What is the name of your City or Locality?
  [Unknown]: test
What is the name of your State or Province?
  [Unknown]: test
What is the two-letter country code for this unit?
  [Unknown]: CN
Is CN=cas.example.org, OU=test, O=test, L=test, ST=test, C=CN correct?
  [no]: yes
```

□□/etc/hosts:

```
127.0.0.1 cas.example.org
```

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```
# Export the certificate into a file
sudo keytool -export -file /etc/cas/config/cas.crt -keystore /etc/cas/thekeystore
-alias cas
# Import the certificate into the global keystore
sudo keytool -import -file /etc/cas/config/cas.crt -alias cas -keystore
$JAVA_HOME/lib/security/cacerts
```

Service Management

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https://github.com/apereo/cas-management-overlay

CAS Client

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https://github.com/apereo/java-cas-client

Gradle□□□

implementation 'org.jasig.cas.client:cas-client-support-springboot:3.6.0'

2. CAS-overlay CAS

CASDDDDDDDD

- 00000000000ad-hoc0
- DDDdeploymentDDDDbugDDDDDDissue

https://cas.example.org:8443/cas/login

cas.authn.accept.users=sungness::sungness

Application Not Authorized to Use CAS

The application you attempted to authenticate to is not authorized to use CAS. This usually indicates that the application is not registered with CAS, or its authorization policy defined in its registration record prevents it from leveraging CAS functionality, or it's malformed and unrecognized by CAS. Contact your CAS administrator to learn how you might register and integrate your application with CAS.

I solved issue myself, The issue was with the serviceId not mapped correctly in the client table of the CAS database.

It took two weeks to understand the complete CAS system and resolve the issue. But Someone having the same issue can directly follow the below steps (Assuming CAS 5.1 version deployed on tomcat +linux)

Check your .json files placed under /etc/cas/services

Check your .jwks files places under /etc/cas/jwks folder

Check the clientId and ClientSecret matches in .json , .jwks and in CAS Database-Client table

Check the serviceID mapped in .json,.jwks and in your CAS Database,client table All the best.

2.1. CAS Properties

https://apereo.github.io/cas/6.2.x/configuration/Configuration-Properties.html

- cas.someProperty
- cas.some-property
- cas.some_property

2.1.1. DDDDDD

https://apereo.github.io/cas/6.2.x/configuration/Configuration-Properties-Common.html

2.1.2. DDDD

CASDDDDDDDD

2.1.3. 00000

```
cas.custom.properties.[property-name]=[property-value]
```

2.1.4. DDDD

000000000server0000000000000000

- DDDD cas.standalone.configurationDirectory /etc/cas/config;/opt/cas/config;/var/cas/config
- DDDD cas.standalone.configurationFile

Spring Cloud

DDD https://apereo.github.io/cas/6.2.x/configuration/Configuration-Server-Management.html

Spring Cloud

Native

```
# spring.profiles.active=native

# The configuration directory where CAS should monitor to locate settings.
# spring.cloud.config.server.native.search-locations=file:///etc/cas/config
```

- Git□□
- MongoDB
- Amazon S3
- JDBC
- REST

```
# cas.spring.cloud.rest.url=
# cas.spring.cloud.rest.basic-auth-username=
# cas.spring.cloud.rest.basic-auth-password=
# cas.spring.cloud.rest.method=
# cas.spring.cloud.rest.headers=Header1:Value1;Header2:Value2
```

2.1.5. DDDD

DDDDDDD https://apereo.github.io/cas/6.2.x/configuration/Configuration-Properties-Security.html

2.1.6. DDDD

- [
- 000CPU00000
- session@@@dtickets@SSO session@@@
- JDBC
- LDAP DDD
- MongoDB□□

3. Service Management

https://apereo.github.io/cas/6.3.x/services/Service-Management.html

registry

- Authorized services DDDDDDDDDDCAS SSO session
- Forced authentication DDDDDDDDDDDDDD
- Proxy control -
- Theme control DDDDDDDDDDCASDD

service-registry

• cas.service-registry.*

https://apereo.github.io/cas/6.3.x/configuration/Configuration-Properties.html#service-registry

3.1. DDDD

- registeredServices DDDDDDDDDGETDDELETE
- exportRegisterdServices DDZIPDDDDDDD
- importRegisterdServices DDDDDD

3.2. □□□□**Web**□□

https://apereo.github.io/cas/6.3.x/services/Installing-ServicesMgmt-Webapp.html

Overlay Installation

https://github.com/apereo/cas-management-overlay

3.3. DDDDDRegistered Services

- name 0000000000255000
- description 0000000000025500000
- informationUrl DDDDDDDDDDDDDURLDD
- privacyUrl 0000000000URL00
- \bullet redirectUrl 000000000000URL00

- ullet theme ullet u

- logoutType 000logout000000000
 - LogoutType.BACK_CHANNEL
 - LogoutType.FRONT_CHANNEL
 - LogoutType.NONE
- responseType DDCASDDDDDDDD
- usernameAttributeProvider DDDDDD0"username"DDDDD

- logoutUrl 000000logout000URL

- contacts 0000000000

Service Type

- 3.3.1.
- **3.3.2. DDDDDD**
- 3.3.3. Required Authentication
- 3.3.4. Tags & Properties
- 3.3.5. Contacts & Owners
- **3.3.6.** □□□□
- **3.3.7. 0000**
- 3.3.8 □□

- Memory 00000XML000000000000CAS000000000
- YAML 0000000YAML0000HA00000000000
- GIT 0000000GIT0000HA0000000
- Redis 0000000Redis00HA000000
- LDAP 000000000000HA000000
- JPA 0000000000000HA000000
- CouchDB 0000000CouchDB00HA000000
- ...
- REST OREST APIOOOOOOOOHADOOOOO

Memory | | | | | |

```
@Configuration("myConfiguration")
public class MyConfiguration {

    @Bean
    public List inMemoryRegisteredServices() {
        final List services = new ArrayList<>();
        final RegexRegisteredService service = new RegexRegisteredService();
        ...
        services.add(service);
        return services;
    }
}
```


classpath:src/main/resources/services

JSON

```
implementation "org.apereo.cas:cas-server-support-json-service-
registry:${casServerVersion}
```

DODDOOD

```
# cas.service-registry.json.location=classpath:/services
```

JSON fileName = serviceName + "-" + serviceNumericId + ".json"

YAML

```
implementation "org.apereo.cas:cas-server-support-yaml-service-
registry:${casServerVersion}
```

```
# cas.service-registry.yaml.location=classpath:/services
```

YAML fileName = serviceName + "-" + serviceNumericId + ".yml"

00. cas□□□□

DDDDDDDDD gitbook

npm install --registry=https://registry.npm.taobao.org gitbook-cli -g

cd docs/cas-server-documentation
gitbook install
gitbook serve