



Installazione uApprove 2.3.1 per IDP 2.3.3 Debian Linux

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Credits: Switch AAI

Indice generale

1) Introduzione.....	3
2) Requisiti.....	3
3) Installazione uApprove 2.3.1.....	4

1 Introduzione

Questo documento ha lo scopo di guidare l'utente nell'installazione dello strumento uApprove 2.3.1 su un IdP Shibboleth 2.3.3 con il solo Apache Tomcat 6.

2 Requisiti

- Shibboleth Identity Provider v2.3 o superiore
- Database con il supporto JDBC (in questo caso MySQL)

3 Installazione uApprove 2.3.1

- `sudo su -`
- `cd /usr/local/src`
- `wget http://www.switch.ch/aai/downloads/uApprove-2.3.1.zip`
- `unzip uApprove-2.3.1.zip`
- `cp -v /usr/local/src/uApprove-2.3.1/lib/*.jar /usr/local/src/shibboleth-identityprovider-2.3.3/lib/`
- `cp -v /usr/local/src/uApprove-2.3.1/lib/jdbc/*.jar /usr/local/src/shibboleth-identityprovider-2.3.3/lib/`
- `cp -v /usr/local/src/uApprove-2.3.1/lib/jdbc/optional/mysql-connector-java-5.1.17.jar /usr/local/src/shibboleth-identityprovider-2.3.3/lib/`
- `cp -v /usr/local/src/uApprove-2.3.1/manual/configuration/uApprove.properties /opt/shibboleth-idp/conf/`
- `cp -v /usr/local/src/uApprove-2.3.1/manual/configuration/uApprove.xml /opt/shibboleth-idp/conf/`
- `mkdir /usr/local/src/shibboleth-identityprovider-2.3.3/src/main/webapp/uApprove`
- `cp -v /usr/local/src/uApprove-2.3.1/webapp/* /usr/local/src/shibboleth-identityprovider-2.3.3/src/main/webapp/uApprove/`
- `mysql -u root -p`
- `mysql> CREATE DATABASE uApprove;`
- `mysql> CREATE USER 'uApprove'@'localhost' IDENTIFIED BY 'uApprove';`
- `mysql> GRANT INSERT, SELECT, UPDATE, DELETE ON uApprove.* TO uApprove@localhost;`
- `mysql> use uApprove;`
- `mysql> CREATE TABLE ToUAcceptance (userId VARCHAR(104) NOT NULL, version VARCHAR(104) NOT NULL, fingerprint VARCHAR(256) NOT NULL, acceptanceDate TIMESTAMP DEFAULT CURRENT_TIMESTAMP NOT NULL, PRIMARY KEY (userId, version));`
- `mysql> CREATE TABLE AttributeReleaseConsent (userId VARCHAR(104) NOT NULL, relyingPartyId VARCHAR(104) NOT NULL, attributeId VARCHAR(104) NOT NULL, valuesHash VARCHAR(256) NOT NULL, consentDate TIMESTAMP DEFAULT CURRENT_TIMESTAMP NOT NULL, PRIMARY KEY (userId, relyingPartyId,`

```
attributeId));
```

- `mysql> exit`
- `nano /usr/local/src/shibboleth-identityprovider-2.3.3/src/main/webapp/WEB-INF/web.xml` e modificare nel seguente modo:

1. Modificare il `<context-param>` come segue:

```
<context-param>
  <param-name>contextConfigLocation</param-name>
  <param-value>$IDP_HOME$/conf/internal.xml;
                $IDP_HOME$/conf/service.xml;
                $IDP_HOME$/conf/uApprove.xml
  </param-value>
</context-param>
```

2. Aggiungere in coda al documento, appena prima del `</web-app>`, quanto segue:

```
<!-- uApprove Filter and Servlets -->

<filter>
  <filter-name>uApprove</filter-name>
  <filter-class>ch.SWITCH.aai.uApprove.Interceptor</filter-class>
</filter>

<filter-mapping>
  <filter-name>uApprove</filter-name>
  <url-pattern>/profile/*</url-pattern>
  <url-pattern>/Authn/UserPassword</url-pattern>
</filter-mapping>

<servlet>
  <servlet-name>uApprove - Terms Of Use</servlet-name>
  <servlet-class>ch.SWITCH.aai.uApprove.tou.ToUServlet</servlet-class>
</servlet>

<servlet-mapping>
  <servlet-name>uApprove - Terms Of Use</servlet-name>
  <url-pattern>/uApprove/TermsOfUse</url-pattern>
</servlet-mapping>

<servlet>
```

```
<servlet-name>uApprove - Attribute Release</servlet-name>
<servlet-class>ch.SWITCH.aai.uApprove.ar.AttributeReleaseServlet
</servlet-class>
</servlet>

<servlet-mapping>
  <servlet-name>uApprove - Attribute Release</servlet-name>
  <url-pattern>/uApprove/AttributeRelease</url-pattern>
</servlet-mapping>
```

- nano /opt/shibboleth-idp/conf/uApprove.xml **modificare come segue:**

```
<context:property-placeholder
  location="classpath:/configuration/uApprove.properties" />
```

in

```
<context:property-placeholder
  location="file:///opt/shibboleth-idp/conf/uApprove.properties" />
```

e gli:

```
<property name="storage">
  <bean class="ch.SWITCH.aai.uApprove.tou.storage.JDBCStorage"
    init-method="initialize"
    p:dataSource-ref="uApprove.dataSource"
    p:sqlStatements="classpath:/storage/sql-
statements.properties" />
</property>
```

in

```
<property name="storage">
  <bean class="ch.SWITCH.aai.uApprove.tou.storage.JDBCStorage"
    init-method="initialize"
    p:dataSource-ref="uApprove.dataSource"
    p:sqlStatements="file:///opt/shibboleth-idp/conf/uApprove.sql-
statements.properties" />
</property>
```

- nano /opt/shibboleth-idp/conf/uApprove.properties **e modificare come segue**

```
tou.resource = classpath:/examples/terms-of-use.html
```

In

```
tou.resource = file:///usr/local/src/shibboleth-identityprovider-2.3.3/src/main/webapp/uApprove/terms-of-use.html
```

(dove **terms-of-use.html** è un file precedentemente creato e contenente i termini d'uso)

- `cp -v /usr/local/src/uApprove-2.3.1/manual/storage/sql-statements.properties /opt/shibboleth-idp/conf/`
- `cd /usr/local/src/shibboleth-identityprovider-2.3.3/`
- `sh install.sh` senza sovrascrivere le impostazioni dell'IdP
- `/etc/init.d/tomcat restart`
- Ora provate a riaccedere al vostro Idp