IdP Login Form Customization

Templates and Customization

SWITCH

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Overview

- How to
  - Customize look and feel
  - Customize messages/languages
  - Add text to your login site

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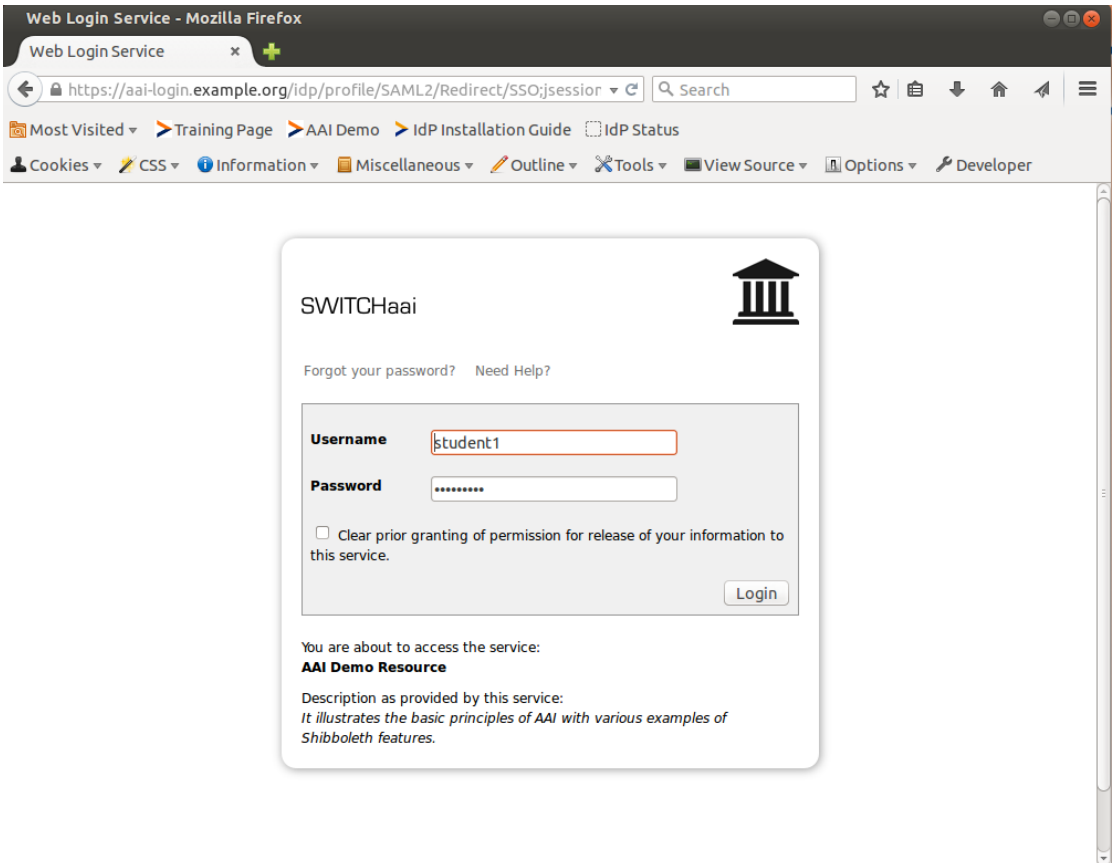
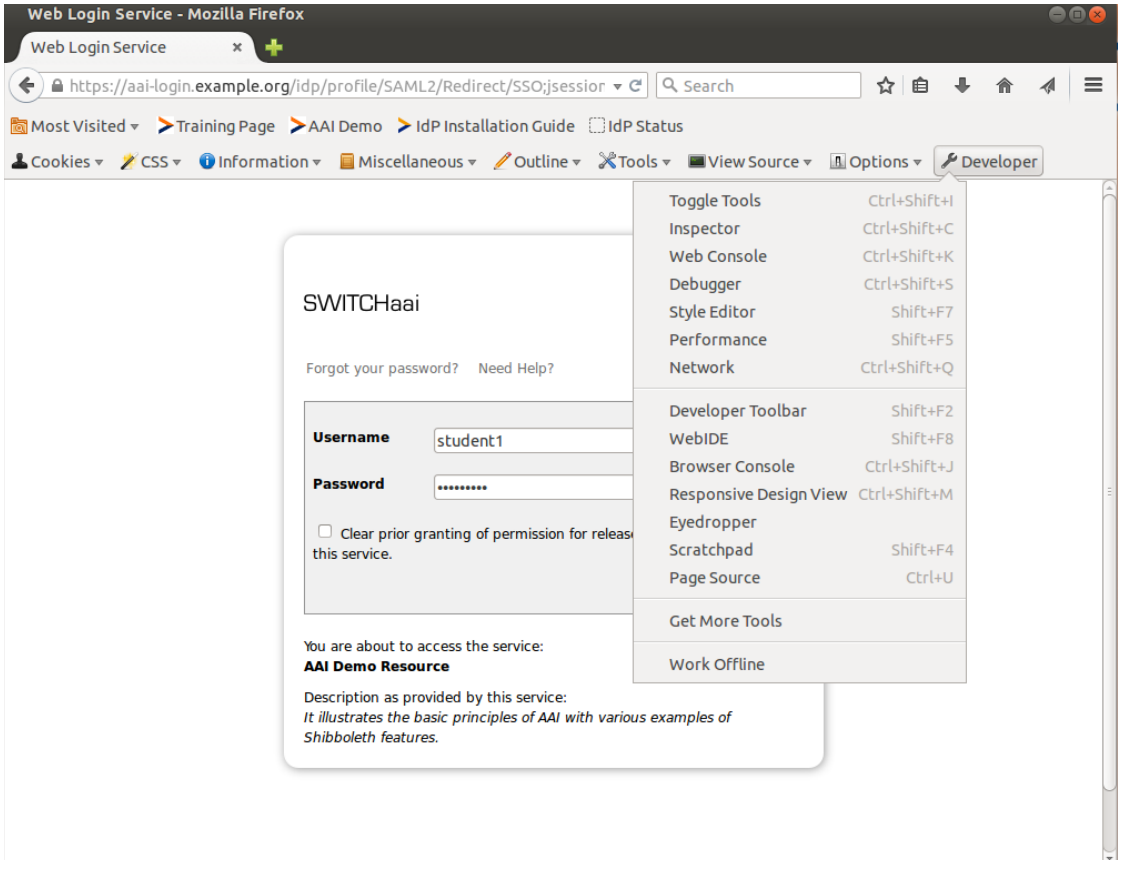

Web Login Service - Mozilla Firefox
Web Login Service
https://aai-login.example.org/idp/profile/SAML2/Redirect/SSO;jsessior
Search
Most Visited
Training Page
AAI Demo
IdP Installation Guide
IdP Status
Cookies
CSS
Information
Miscellaneous
Outline
Tools
View Source
Options
Developer
SWITCHaai
Forgot your password?
Need Help?
Username
student1
Password
Clear prior granting of permission for release of your information to this service.
Login
You are about to access the service:
AAI Demo Resource
Description as provided by this service:
It illustrates the basic principles of AAI with various examples of Shibboleth features.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Web Console Ctrl+Shift+K
Debugger Ctrl+Shift+S
Style Editor Shift+F7
Performance Shift+F5
Network Ctrl+Shift+Q
Developer Toolbar Shift+F2
WebIDE Shift+F8
Browser Console Ctrl+Shift+J
Responsive Design View Ctrl+Shift+M
Eyedropper
Scratchpad Shift+F4
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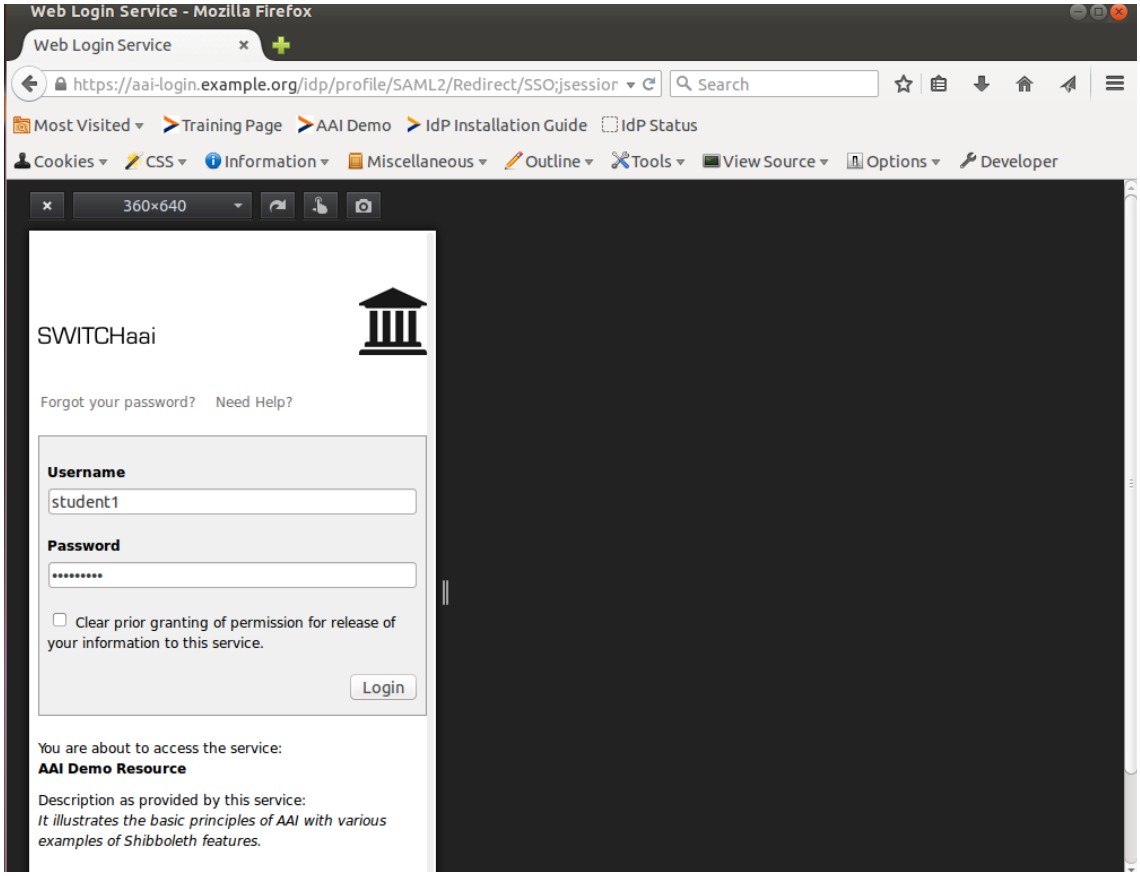


Layout

- Change the look and feel in `/opt/shibboleth-idp/edit-webapp` (images and css)
- Place additional web resources in the edit-webapp directory, not the webapp directory. The webapp directory is replaced upon every IdP upgrade.
- Rebuild the idp.war file and restart tomcat

Spring message properties

- in `/opt/shibboleth-idp/messages` you find
  - `authn-messages.properties`
  - `error-messages.properties`
  - `consent-messages.properties`

  these messages are used in the velocity template

- internationalization:
  - `consent-messages_de.properties`
  - `consent-messages_fr.properties etc.`

error-messages.properties

in /opt/shibboleth-idp/messages/error-messages.properties

```
# General strings
idp.title = Web Login Service
idp.title.suffix = Error
idp.logo = /images/example.org.png
idp.logo.alt-text = Example Home Organisation
idp.logo.target.url = http://www.example.org
idp.message = An unidentified error occurred.
idp.footer = Insert your footer text here.

# Error key to title and message mappings
unexpected.title = Unexpected Error
unexpected.message = An unexpected error was encountered, usually reflecting a configuration or software error.
```

authn-messages.properties

in /opt/shibboleth-idp/messages/authn-messages.properties

idp.login.loginTo = Login to
idp.login.username = Username
idp.login.password = Password
idp.login.donotcache = Don't Remember Login
idp.login.login = Login
idp.login.forgotPassword = Forgot your password?
idp.login.forgotPassword.url = https://support.example.org
idp.login.needHelp = Need Help?

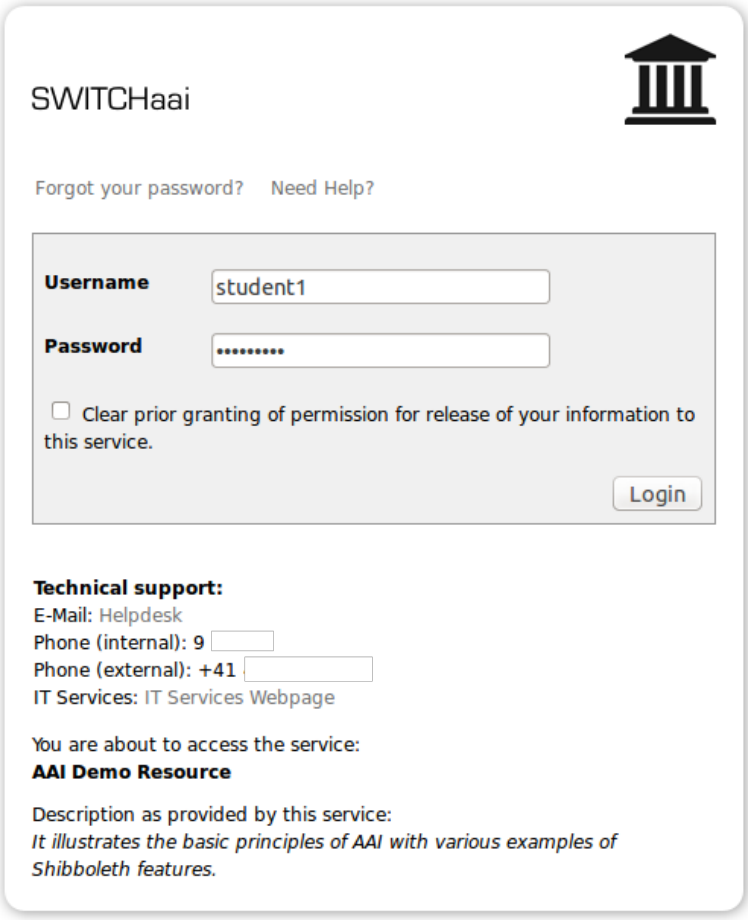
authn-messages.properties

in /opt/shibboleth-idp/messages/authn-messages.properties

# Classified Login Error messages
UnknownUsername = bad-username
InvalidPassword = bad-password
ExpiredPassword = expired-password
AccountLocked = account-locked
bad-username.message = The username you entered cannot be identified.
bad-password.message = The password you entered was incorrect.
expired-password.message = Your password has expired.
account-locked.message = Your account is locked.

Velocity Properties

```
<a class="aai" href="
#springMessage("idp.login.forgotPassword.url")
">
#springMessageText("idp.login.forgotPassword",
"Forgot your password?")
</a>
```

Velocity

- The Apache Velocity Engine is a free open-source templating engine.
- clean separation between the presentation tier and business tiers
- VTL (Velocity Template Language)
  - References begin with $
  - Directives begin with #
  - A single line comment begins with ## and finishes at the end of the line.
  - Multi-line comments, which begin with #* and end with *#

Login and intercept

- The velocity templates are under `/opt/shibboleth-idp/views`
  - `login.vm`
  - `login-error.vm`
  - `intercept/attribute-release.vm`
  - `intercept/terms-of-use.vm`
  - `error.vm`

  are most used (no restart required)

- Additional custom pages can be added , e.g. for expiring passwords, locked accounts etc.

Some Velocity Properties

- $rpUIContext.informationURL
- $rpUIContext.logo
- $rpUIContext.organizationDisplayName
- $rpUIContext.organizationName
- $rpUIContext.organizationURL
- $rpUIContext.privacyStatementURL
- $rpUIContext.serviceDescription
- $rpUIContext.serviceName

Velocity Properties

```
#set ($name = $rpUIContext.serviceName)
#if ($name)
   <div class="space">
      <em>$encoder.encodeForHTML($name)</em>
   </div>
#end
```

Hands On I - III

- change the background-color of the class .aai_login_field from grey to any other color
- return the following error message on the login form in case of invalid username or incorrect password:

  “ The credentials you entered are incorrect.”

- Start to adapt the login.vm in such way that it looks like your production IdP.

Example Solution I

- change the background-color in aai_login_field class in /opt/shibboleth-idp/edit-webapp/css/main.css

```
.aai_login_field { …
    background-color: #4EEE94;
    … }
```

- rebuild and restart tomcat

```
sudo JAVACMD=/usr/bin/java /opt/shibboleth-idp/bin/
  build.sh -Didp.target.dir=/opt/shibboleth-idp
sudo /etc/init.d/tomcat7 restart
```

- might be you need to reload linked stylesheets in the browser to see the effect

Example Solution II

- Edit authn-messages.properties

```
UnknownUsername = bad-credentials
InvalidPassword = bad-credentials
bad-credentials.message = The credentials
you entered are incorrect.
```

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