## **APS Administration Web**

User Guide

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## <sub>1</sub> APSAdminWeb



This is a web app for administration of APS. It is really only a shell for different administration webs. It relys on the *apsadmin-web-service-provider* bundle which publishes the *APSAdminWebService*. Other bundles providing administration web apps register themselves with this service and for each registration APSAdminWeb creates a tab in its gui. Se *APIs* further down for the APSAdminService API. Clicking on "Refresh" will make APSAdminWeb reload the admin webs registered in *APSAdminWebService*.

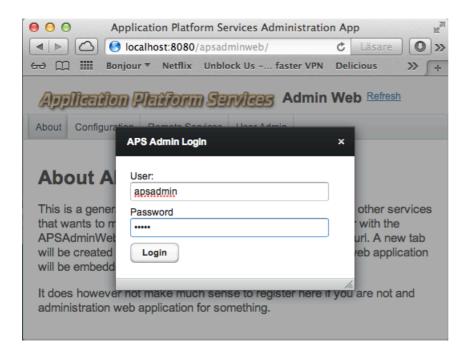
The APSAdminWeb is accessed at http://host:port/apsadminweb. What you see there depends on what other admin webs are deployed. Anybody can make an admin web and register it with the *APSAdminWebService*. The admin webs delivered with APS are mainly done using Vaadin. This is in no way a requirement for an admin web. An admin web app can be made in any way what so ever. A side effect of this is that different tabs might have different look and feel. But I choose flexibility over beauty!

The following APS bundles provides a tab in APSAdminWeb:

- aps-config-admin-web.war Allows advanced configuration of bundles/services using APSConfigService.
- aps-user-admin-web-war Administration of users and groups for APSSimpleUserService.
- aps-ext-protocol-http-transport-provider.war Provides a web gui with help for setting up and calling services remotely, and also shows all available services and allows calling them from the web gui for testing/debugging purposes.

## 1.1 Authentication

If "Configuration tab, Configurations/aps/adminweb/requireauthentication" property is enabled then the APSAdminWeb requires a login to be accessed. A userid and a password will be asked for. The entered information will be validated by the APSAuthService. The aps-simple-user-service-auth-service-provider.jar bundle provides an implementation of this service that uses the APSSimpleUserService service. The APSAuthService is however simple enough to implement yourself to provide login to whatever you want/need.



# <sub>1.2</sub> Making an admin web participating in the APSAdminWeb login.

There is an APSSessionService that was made just for handling this. It is not a HTTP session, just a service hanling sessions. It is provided by the *aps-session-service-provider.jar* bundle. When a session is created you get a session id (an UUID) that needs to be passed along to the other admin webs through a cookie. *APSWebTools* (*aps-web-tools.jar* (not a bundle!)) provides the APSAdminWebLoginHandler class implementing the LoginHandler interface and handles all this for you.

You need to provide it with a BundleContext on creation since it will be calling both the *APSAuthService* and *APSSessionService*:

```
this.loginHandler = new APSAdminWebLoginHandler(bundleContext);
```

Then to validate that there is a valid login do:

```
this.loginHandler.setSessionIdFromRequestCookie(request);
if (this.loginHandler.hasValidLogin()) {
         ...
}
else {
         ...
}
```

## 1.3 APSAdminWebService APIs

public interface APSAdminWebService [se.natusoft.osgi.aps.apsadminweb.service] {

This service registers other specific administration web applications to make them available under a common administration gui.

public void registerAdminWeb(AdminWebReg adminWebReg) throws IllegalArgumentException

Registers an admin web application.

#### **Parameters**

adminWebReg - Registration information for the admin web.

#### Throws

IllegalArgumentException - if the admin web has already been registered or if it is using the

#### public void unregisterAdminWeb(AdminWebReg adminWebReg)

Unregisters a previously registered admin web. This is failsafe. If it has not been registered nothing happens.

#### **Parameters**

adminWebReg - Registration information for the admin web. Use the same as registered with.

#### public List<AdminWebReg> getRegisteredAdminWebs()

#### Returns

All currently registered admin webs.

}

public class AdminWebReg [se.natusoft.osgi.aps.apsadminweb.service.model] {

This model holds information about a registered admin web application.

#### public AdminWebReg(String name, String version, String description, String url)

Creates a new AdminWebReg instance.

#### **Parameters**

name - A (short) name of the admin web.

version - The version of the admin web.

description - A longer description of the admin web.

url - The deployment url of the admin web.

#### public String getName()

#### Returns

The (short) name of the admin web.

#### public String getVersion()

#### Returns

The version of the admin web.

#### public String getDescription()

#### Returns

The description of the admin web.

### public String getUrl()

#### Returns

The deployment url of the admin web.

}