

# APS Administration Web

User Guide

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# 1 APSAdminWeb



This is a web app for administration of APS. It is really only a shell for different administration webs. It relies on the *aps-admin-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. See *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 APSServiceConfigService.
- *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.



## 1.2 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 handling 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.isValidLogin()) {
    ...
}
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.*

}

---