# MESSAGE TEMPLATES

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# Message Templates

language message templates translations

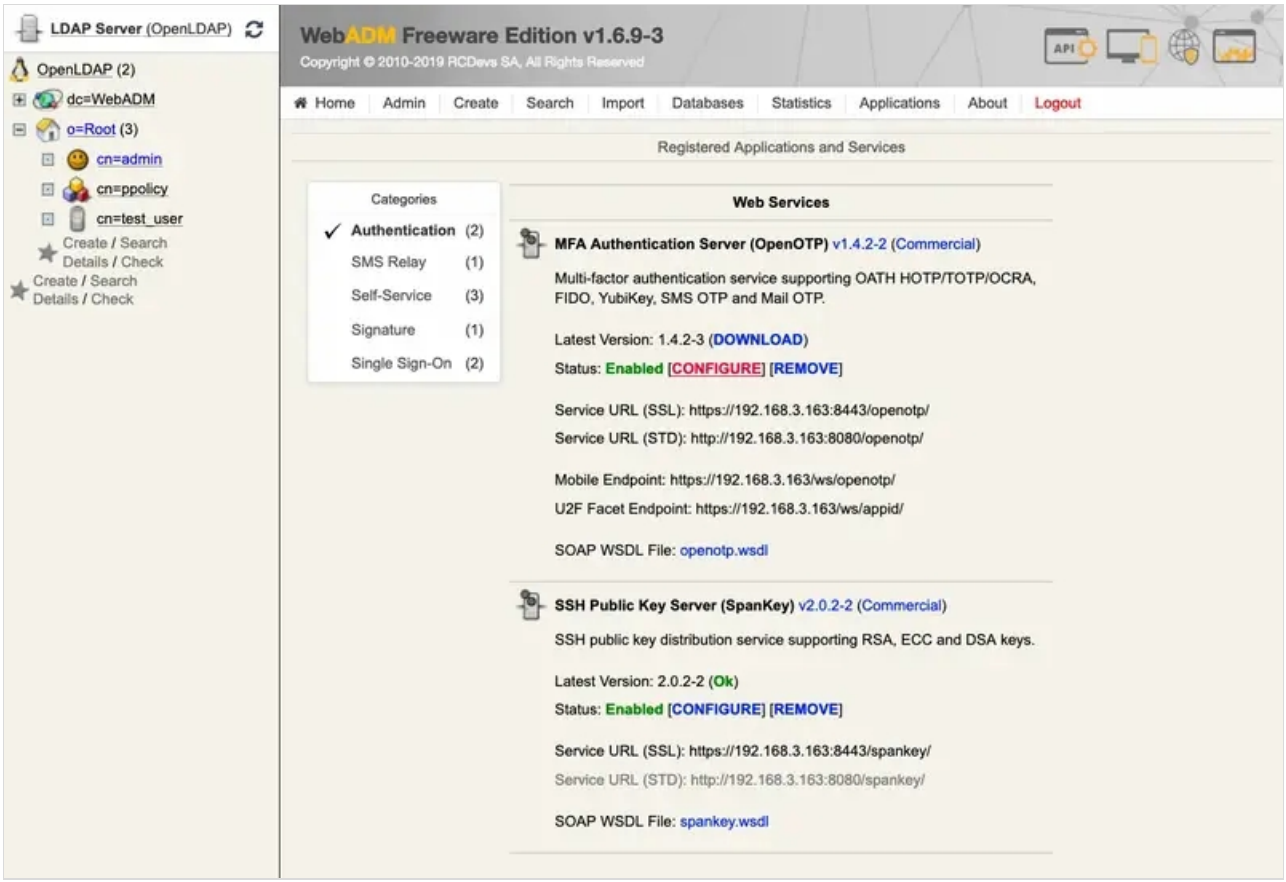
## 1. Overview

This guide will reveal where to look for the message templates, how-to modify the English message templates and how-to add another language.

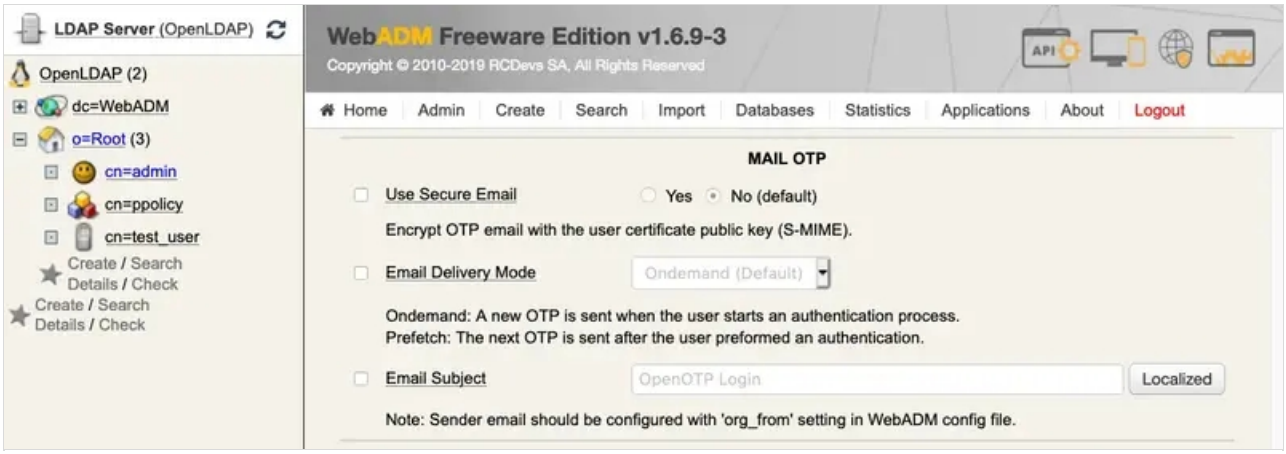
## 2. Message Templates

### 2.1 OpenOTP

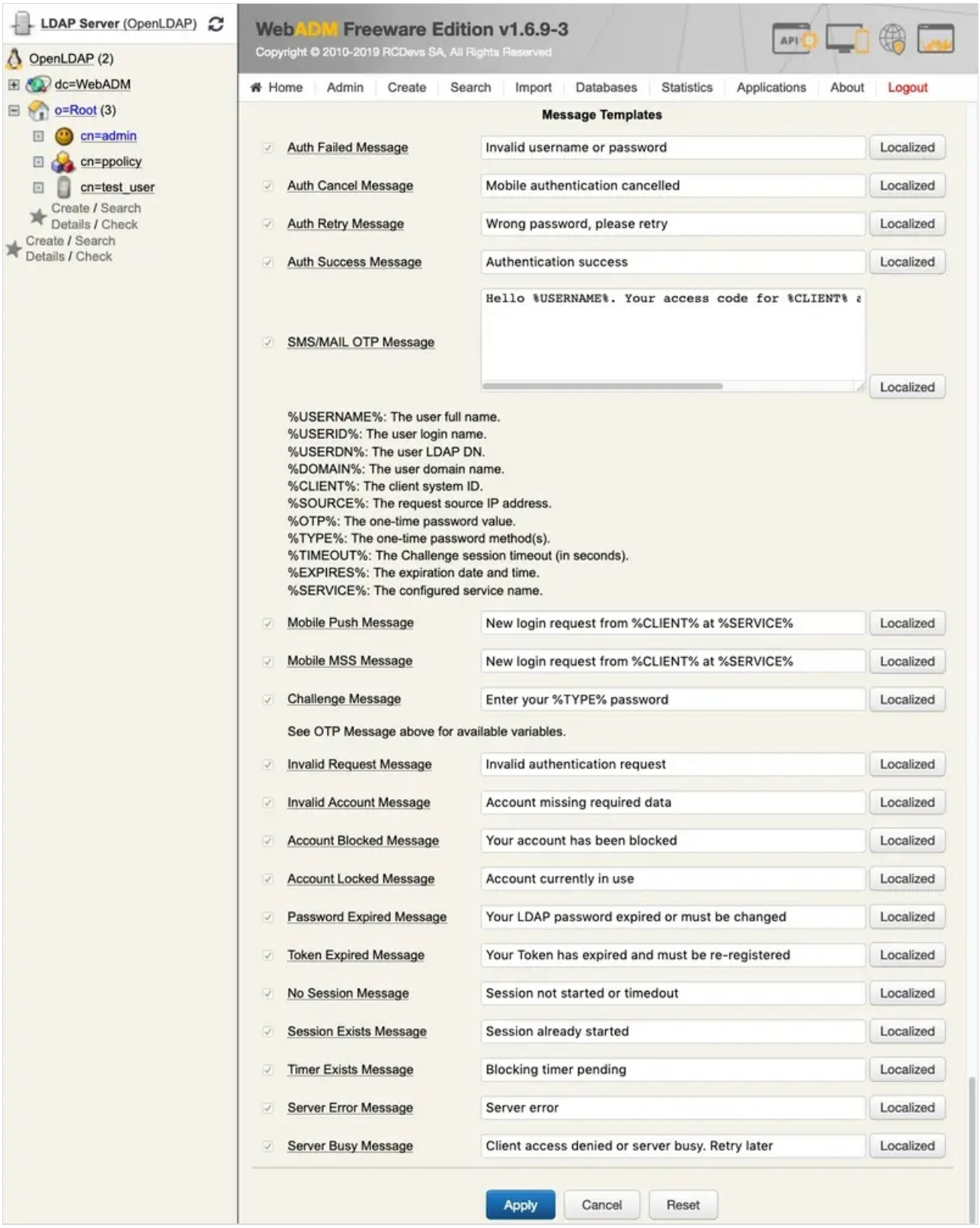
Log into the WebADM GUI, under `Applications`, choose OpenOTP and click on `CONFIGURE`.



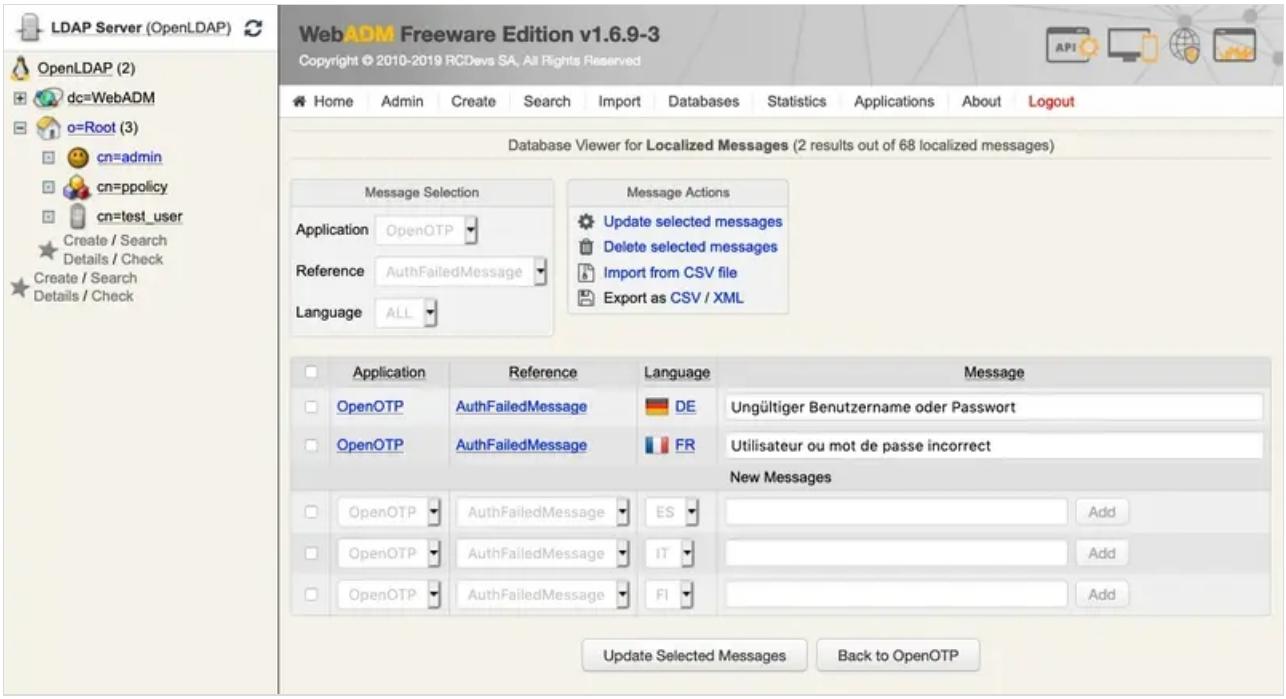

Under `MAIL OTP`, one can change the default `Email Subject`.




Scroll down to `Message Templates` to find the other message templates for OpenOTP.



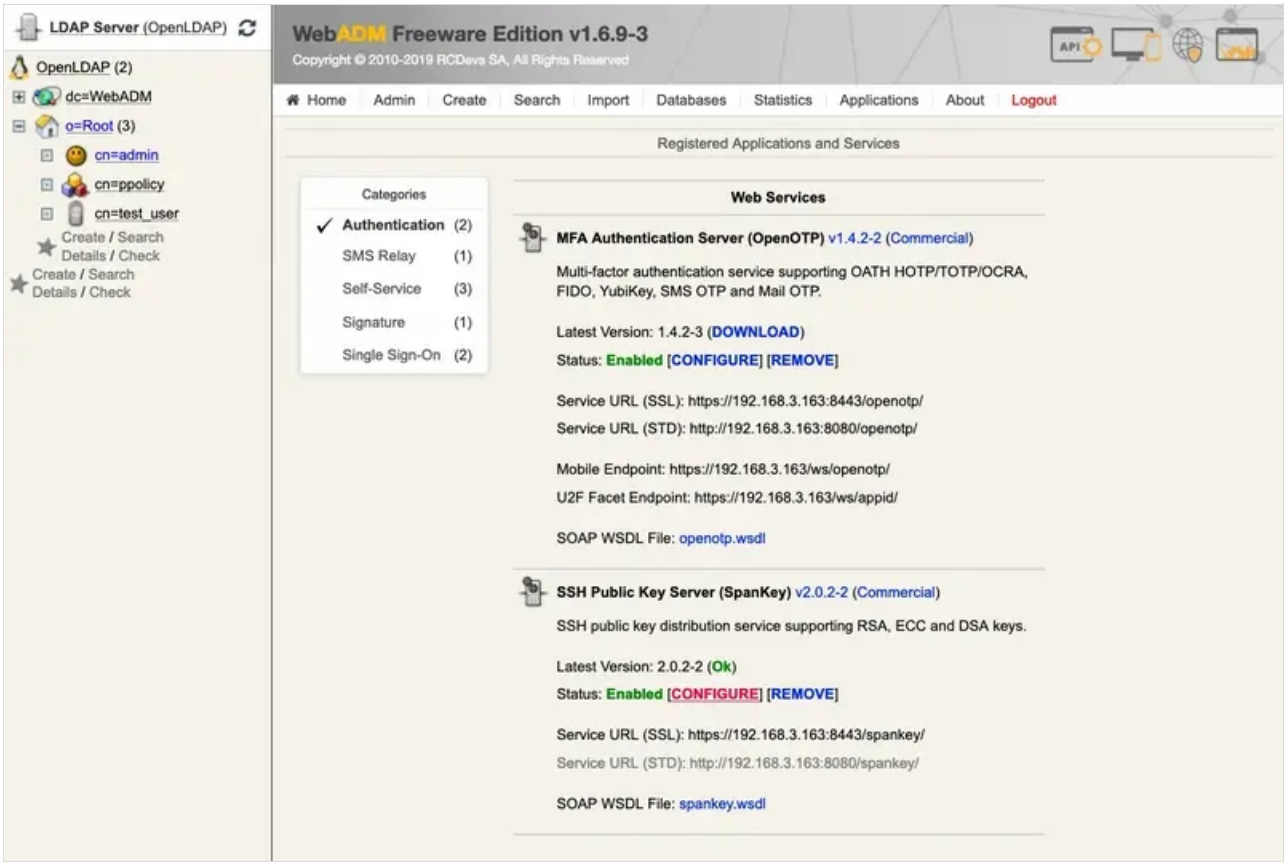

Here the English message templates can be modified. If you want to add or modify another language then click on `Localized`.



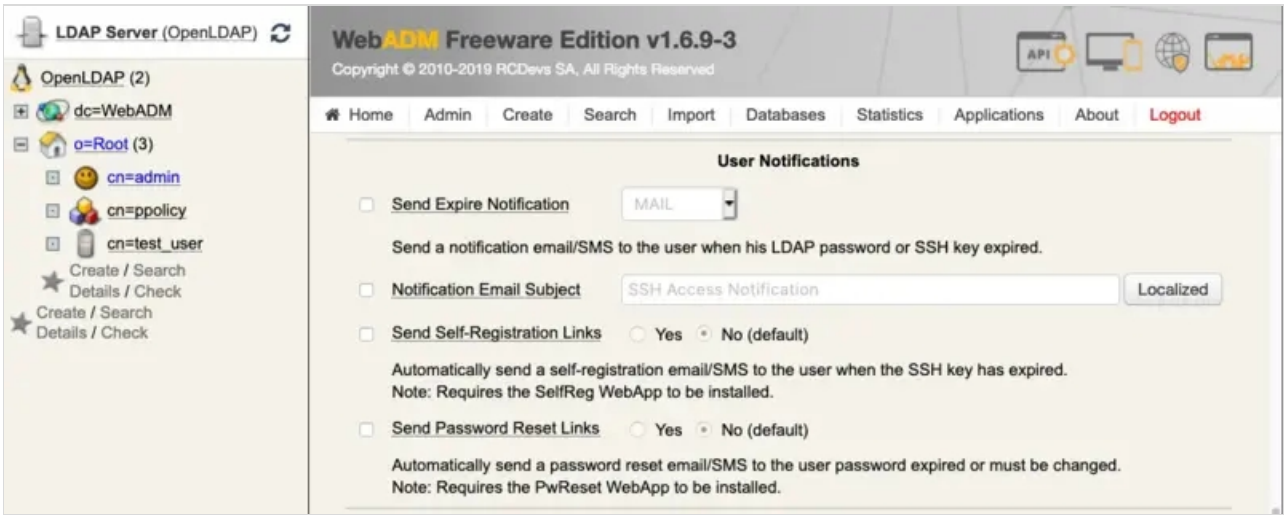

Message templates for other languages can be added here. One can export/import as/from a CSV file. Per default, only the languages “EN”,“FR”,“DE”,“ES”,“IT”,“FI” are available. However, one can add more by adding it to `/opt/webadm/conf/webadm.conf`. Have a look at the chapter 2.7 Localized Messages.

## 2.2 SpanKey

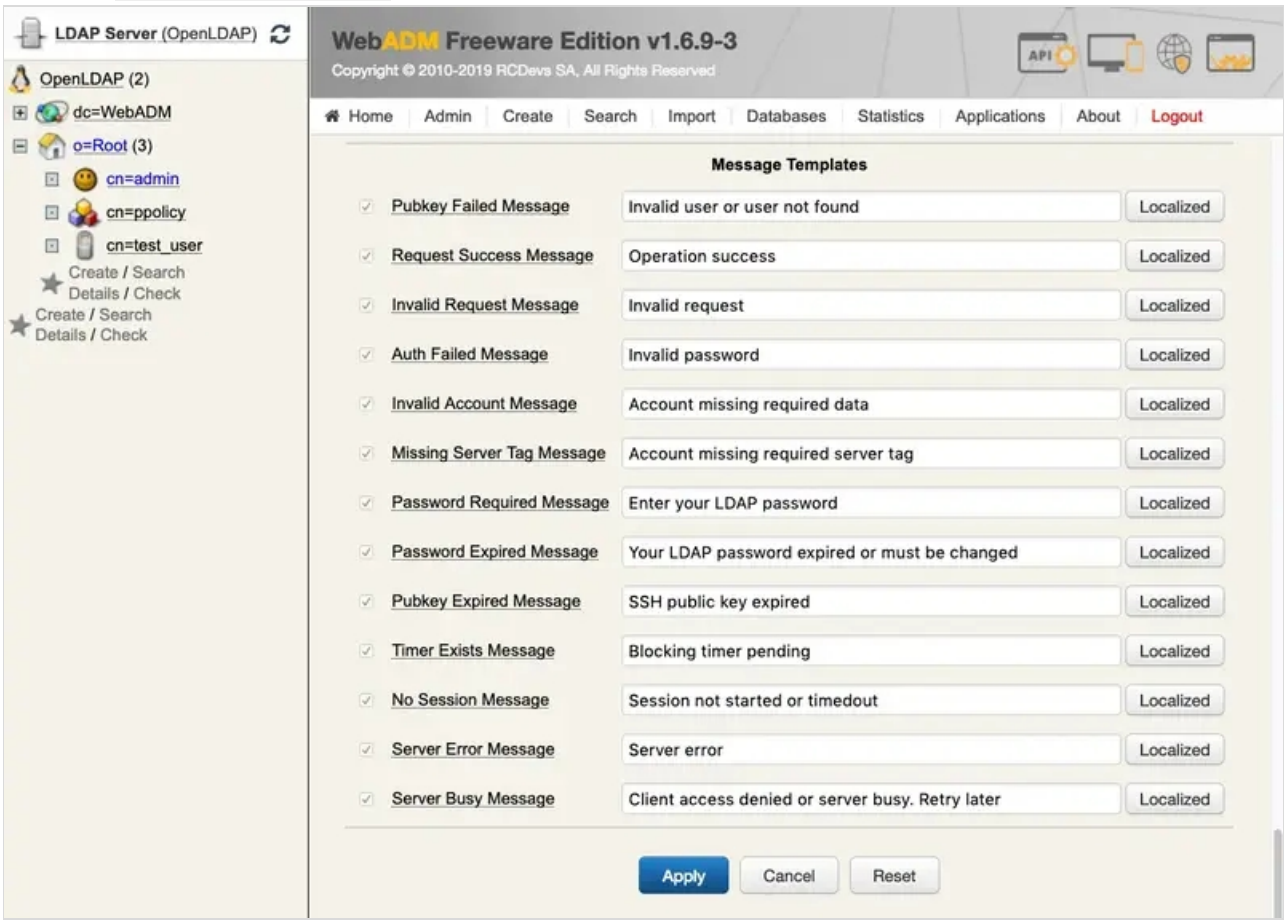
Log into the WebADM GUI, under `Applications`, choose SpanKey and click on `CONFIGURE`.



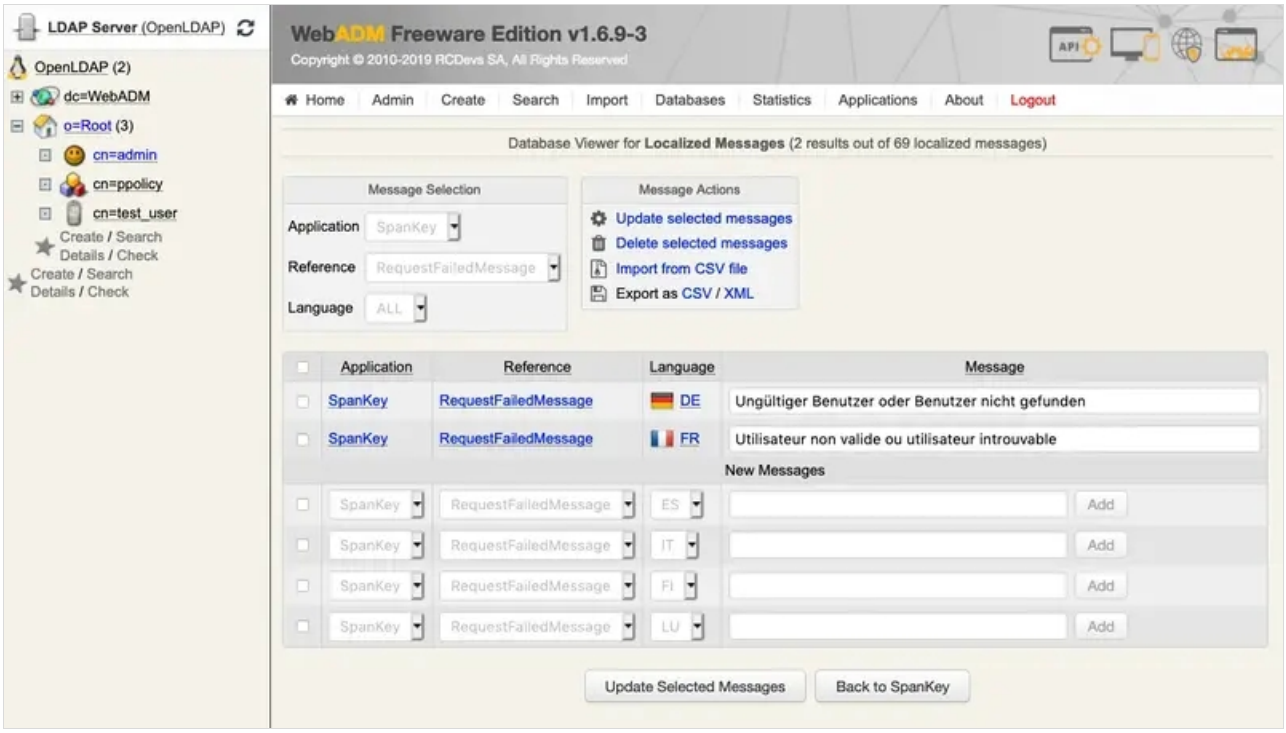
Under `User Notifications`, one can add the `Notification Email Subject`.




Scroll down to `Message Templates` to find the other message templates for SpanKey.



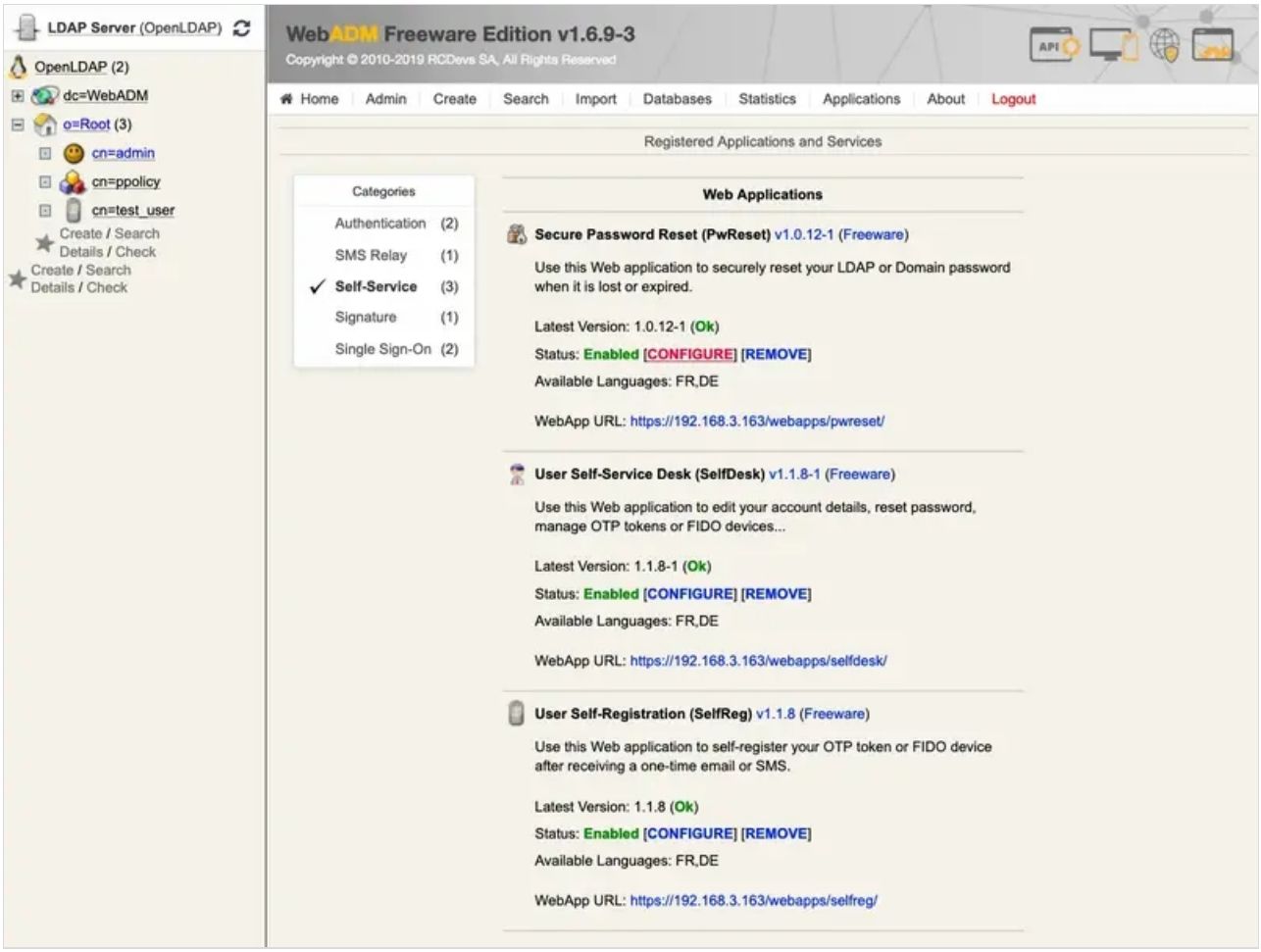

Here the English message templates can be modified. If you want to add or modify another language then click on `Localized`.



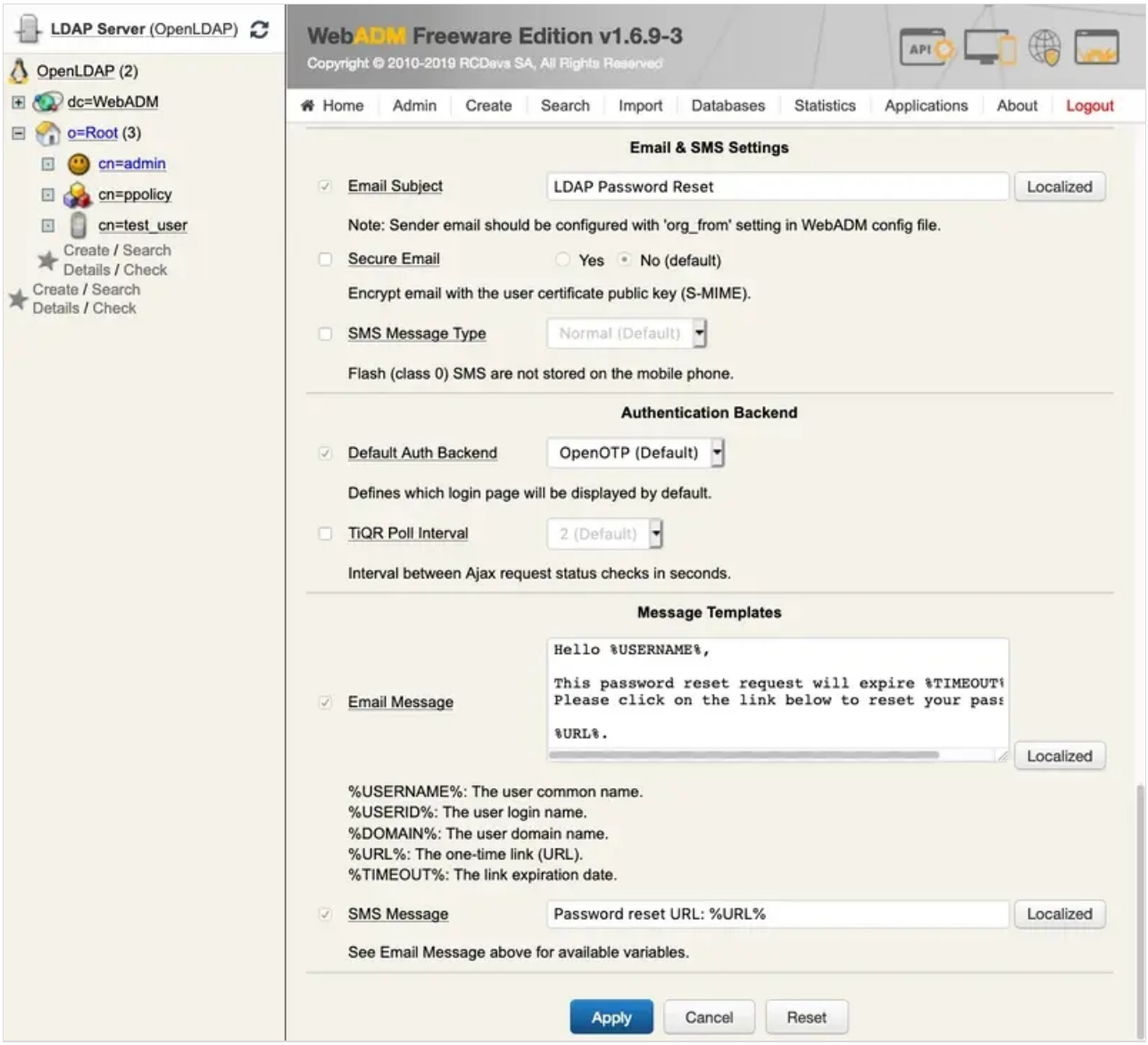

Message templates for other languages can be added here. One can export/import as/from a CSV file. Per default, only the languages “EN”,“FR”,“DE”,“ES”,“IT”,“FI” are available. However, one can add more by adding it to `/opt/webadm/conf/webadm.conf`. Have a look at the chapter 2.7 Localized Messages.

## 2.3 Secure Password Reset (PwReset)

Log into the WebADM GUI, under `Applications`, choose Secure Password Reset (PwReset) and click on `CONFIGURE`.




Under `Email & SMS Settings`, one can change the `Email Subject`. Under `Message Templates` to find the other message templates for Secure Password Reset (PwReset). Here, the English message templates can be modified.




If you want to add or modify another language then have a look at the following folder `/opt/webadm/webapps/pwreset/lang/`.

```
-bash-4.2# ls -lha /opt/webadm/webapps/pwreset/lang/
total 52K
drwxr-xr-x 2 root root  226 Feb 26 17:18 .
drwxr-xr-x 7 root root  224 Feb 26 17:23 ..
-rw-r--r-- 1 root root  490 Feb 22 12:55 cancel.json
-rw-r--r-- 1 root root 5.0K Feb 22 12:55 common.json
-rw-r--r-- 1 root root 5.9K Feb 22 12:55 home.json
-rw-r--r-- 1 root root  181 Feb 22 12:55 index.json
-rw-r--r-- 1 root root  684 Feb 22 12:55 login_pki.json
-rw-r--r-- 1 root root   20 Feb 22 12:55 login_sso.json
-rw-r--r-- 1 root root  573 Feb 22 12:55 login_uid.json
-rw-r--r-- 1 root root   20 Feb 22 12:55 logout.json
-rw-r--r-- 1 root root  631 Feb 22 12:55 openotp.json
-rw-r--r-- 1 root root 1.1K Feb 22 12:55 tiqr.json
-rw-r--r-- 1 root root  725 Feb 22 12:55 tiqr_offline.json
```

For example, to translate or modify the sentence `Server error`, edit the following file `/opt/webadm/webapps/pwreset/lang/common.json` like below.

```
-bash-4.2# vi /opt/webadm/webapps/pwreset/lang/common.json
{
	"OpenOTP is not installed or configured": {
		"FR": "OpenOTP n'est pas installé ou configuré",
		"DE": "OpenOTP ist nicht installiert oder konfiguriert"
	},
	"Server error": {
		"FR": "Erreur du serveur",
		"DE": "Serverfehler"
	},
...
```

Add a new language, for example `DE`, then modify `languages="FR,DE"` to the following file `/opt/webadm/webapps/pwreset/pwreset.xml` just like below.

```
-bash-4.2# vi /opt/webadm/webapps/pwreset/pwreset.xml
<?xml version="1.0" encoding="UTF-8" ?>

<!-- YOU SHOULD NOT NEED TO MODIFY THIS FILE -->

<WebApp name="PwReset"
	icon="pwreset.png"
	version="1.0.12-1"
	wapi="51" eapi="2"
	admcss="style.css"
	section="Self-Service"
	license="freeware"
	languages="FR,DE"
	desc="Secure Password Reset"
	help="Use this Web application to securely reset your LDAP or Domain password when it is lost or
expired.">
...
```

## 2.4 User Self-Service Desk (SelfDesk)

If you want to add or modify another language then have a look at the following folder `/opt/webadm/webapps/selfdesk/lang/`.

```
-bash-4.2# ls -lha /opt/webadm/webapps/selfdesk/lang/
total 280K
drwxr-xr-x 2 root root 4.0K Feb 26 17:57 .
drwxr-xr-x 5 root root  148 Feb 26 17:56 ..
```

```
-rw-r--r-- 1 root root 1.1K Feb 22 12:55 appkeys.json
-rw-r--r-- 1 root root 2.0K Feb 22 12:55 appkeys_register.json
-rw-r--r-- 1 root root 1004 Feb 22 12:55 appkeys_unregister.json
-rw-r--r-- 1 root root  16K Feb 22 12:55 common.json
-rw-r--r-- 1 root root  517 Feb 22 12:55 drop_emergency.json
-rw-r--r-- 1 root root   20 Feb 22 12:55 drop_otplist.json
-rw-r--r-- 1 root root  419 Feb 22 12:55 drop_prefix.json
-rw-r--r-- 1 root root  394 Feb 22 12:55 edit_emergency.json
-rw-r--r-- 1 root root  448 Feb 22 12:55 edit_mailmode.json
-rw-r--r-- 1 root root  455 Feb 22 12:55 edit_otpfallback.json
-rw-r--r-- 1 root root  444 Feb 22 12:55 edit_otplength.json
-rw-r--r-- 1 root root  502 Feb 22 12:55 edit_otptimeout.json
-rw-r--r-- 1 root root  419 Feb 22 12:55 edit_otptype.json
-rw-r--r-- 1 root root 2.2K Feb 22 12:55 edit_password.json
-rw-r--r-- 1 root root 1.6K Feb 22 12:55 edit_pincode.json
-rw-r--r-- 1 root root 1020 Feb 22 12:55 edit_prefix.json
-rw-r--r-- 1 root root  369 Feb 22 12:55 edit_pushlogin.json
-rw-r--r-- 1 root root  361 Feb 22 12:55 edit_securemail.json
-rw-r--r-- 1 root root  397 Feb 22 12:55 edit_simplereg.json
-rw-r--r-- 1 root root  436 Feb 22 12:55 edit_smsmode.json
-rw-r--r-- 1 root root  423 Feb 22 12:55 edit_smstype.json
-rw-r--r-- 1 root root  340 Feb 22 12:55 edit_ssoenabled.json
-rw-r--r-- 1 root root  463 Feb 22 12:55 edit_ssotimeout.json
-rw-r--r-- 1 root root  840 Feb 22 12:55 edit_userinfos.json
-rw-r--r-- 1 root root 1.4K Feb 22 12:55 index.json
-rw-r--r-- 1 root root 1.5K Feb 22 12:55 login_pki.json
-rw-r--r-- 1 root root 2.2K Feb 22 12:55 login_uid.json
-rw-r--r-- 1 root root   20 Feb 22 12:55 logout.json
-rw-r--r-- 1 root root 1.4K Feb 22 12:55 openid.json
-rw-r--r-- 1 root root 7.1K Feb 22 12:55 openotp.json
-rw-r--r-- 1 root root 1.4K Feb 22 12:55 openotp_disable.json
-rw-r--r-- 1 root root 2.4K Feb 22 12:55 openotp_download.json
-rw-r--r-- 1 root root   20 Feb 22 12:55 openotp_listdrop.json
-rw-r--r-- 1 root root 1.2K Feb 22 12:55 openotp_listinit.json
-rw-r--r-- 1 root root  399 Feb 22 12:55 openotp_listview.json
-rw-r--r-- 1 root root  674 Feb 22 12:55 openotp_logintest.json
-rw-r--r-- 1 root root  13K Feb 22 12:55 openotp_register.json
-rw-r--r-- 1 root root 5.4K Feb 22 12:55 openotp_resync.json
-rw-r--r-- 1 root root  453 Feb 22 12:55 openotp_unblock.json
-rw-r--r-- 1 root root  139 Feb 22 12:55 openotp_unregister.json
-rw-r--r-- 1 root root 1.4K Feb 22 12:55 openu2f.json
-rw-r--r-- 1 root root 1.3K Feb 22 12:55 openu2f_logintest.json
-rw-r--r-- 1 root root 3.4K Feb 22 12:55 openu2f_register.json
-rw-r--r-- 1 root root  696 Feb 22 12:55 openu2f_removeall.json
-rw-r--r-- 1 root root  248 Feb 22 12:56 openu2f_unregister.json
-rw-r--r-- 1 root root 1013 Feb 22 12:56 pki.json
-rw-r--r-- 1 root root  331 Feb 22 12:56 pki_create_cert.json
-rw-r--r-- 1 root root  868 Feb 22 12:56 pki_find_cert.json
-rw-r--r-- 1 root root  450 Feb 22 12:56 pki_remove_cert.json
-rw-r--r-- 1 root root  314 Feb 22 12:56 pki_renew_cert.json
```

```
-rw-r--r-- 1 root root 4.0K Feb 22 12:56 spankey.json
-rw-r--r-- 1 root root 4.4K Feb 22 12:56 spankey_register.json
-rw-r--r-- 1 root root  977 Feb 22 12:56 spankey_unregister.json
-rw-r--r-- 1 root root  916 Feb 22 12:56 support.json
-rw-r--r-- 1 root root 3.0K Feb 22 12:56 tiqr.json
-rw-r--r-- 1 root root 1.5K Feb 22 12:56 tiqr_download.json
-rw-r--r-- 1 root root 1.5K Feb 22 12:56 tiqr_logintest.json
-rw-r--r-- 1 root root 1.9K Feb 22 12:56 tiqr_register.json
-rw-r--r-- 1 root root  436 Feb 22 12:56 tiqr_unblock.json
-rw-r--r-- 1 root root  614 Feb 22 12:56 tiqr_unregister.json
-bash-4.2#
```

For example, to translate or modify the sentence `Logout`, edit the following file `/opt/webadm/webapps/selfdesk/lang/common.json` like below.

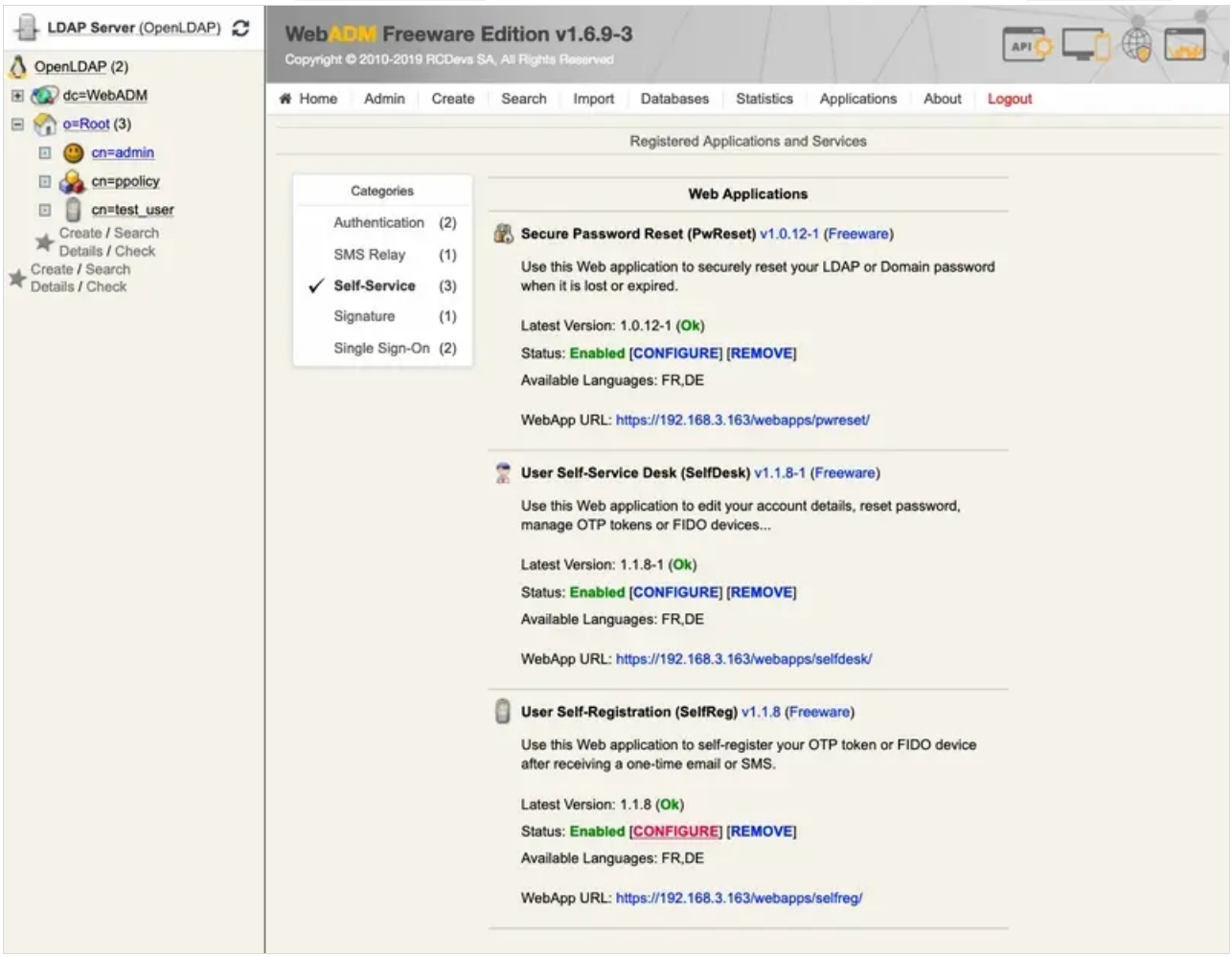
```
-bash-4.2# vi /opt/webadm/webapps/selfdesk/lang/common.json
{
	"Home": {
		"FR": "Accueil",
		"DE": "Willkommen"
	},
	"Logout": {
		"FR": "Déconnexion",
		"DE": "Ausloggen"
	},
...
```

Add a new language, for example `DE`, then modify `languages="FR,DE"` to the following file `/opt/webadm/webapps/selfdesk/selfdesk.xml` just like below.

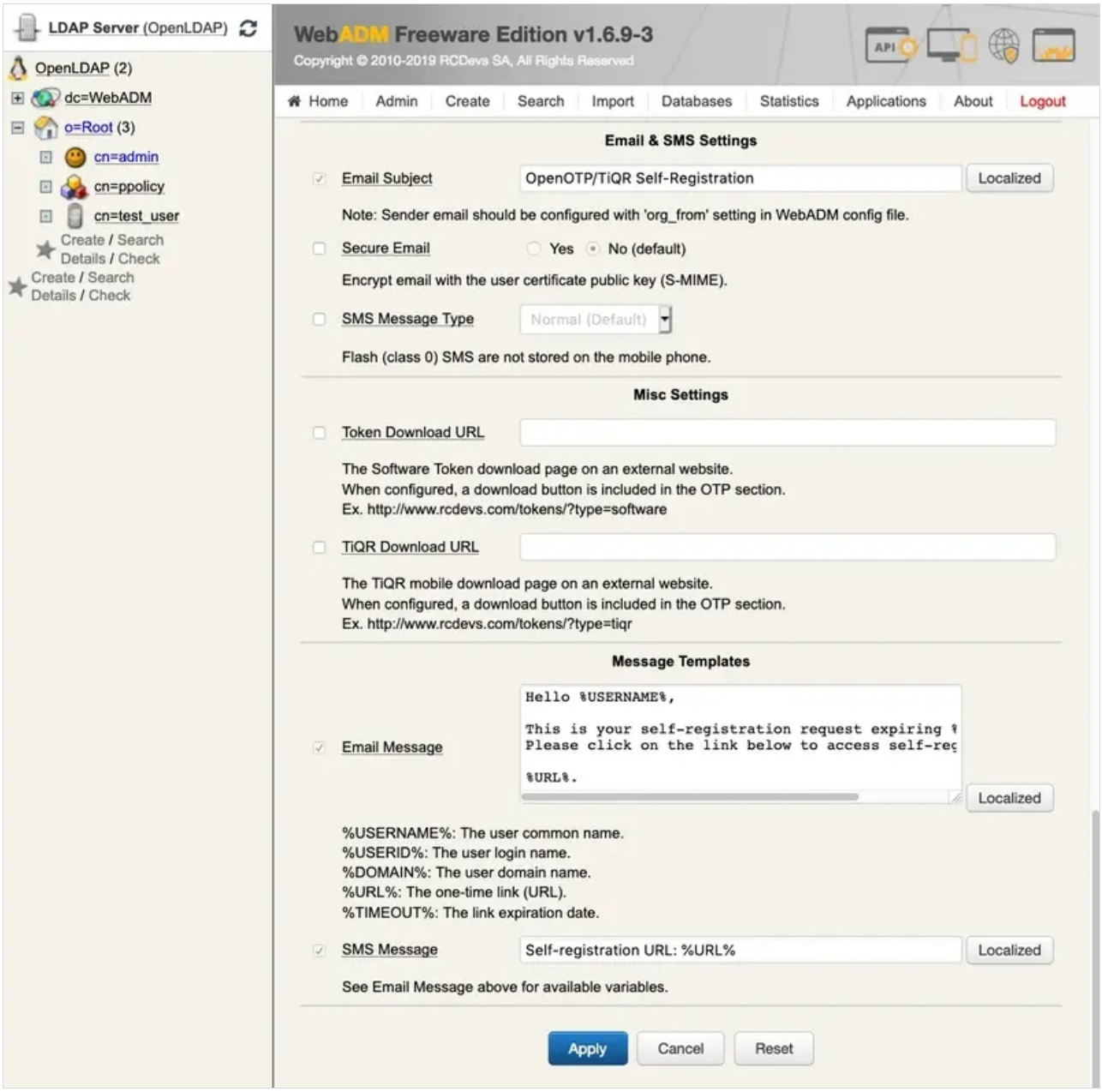
```
-bash-4.2# vi /opt/webadm/webapps/selfdesk/selfdesk.xml
<?xml version="1.0" encoding="UTF-8" ?>

<!-- YOU SHOULD NOT NEED TO MODIFY THIS FILE -->

<WebApp name="SelfDesk"
	icon="selfdesk.png"
	version="1.1.8-1"
	wapi="51"
	section="Self-Service"
	license="freeware"
	languages="FR,DE"
	desc="User Self-Service Desk"
	help="Use this Web application to edit your account details, reset password, manage OTP tokens or
FIDO devices...">
...
```

## 2.5 User Self-Registration (SelfReg)

Log into the WebADM GUI, under `Applications`, choose User Self-Registration (SelfReg) and click on `CONFIGURE`.




Under `Email & SMS Settings`, one can change the `Email Subject`. Under `Message Templates` to find the other message templates for User Self-Registration (SelfReg). Here, the English message templates can be modified.




If you want to add or modify another language then have a look at the following folder `/opt/webadm/webapps/selfreg/lang/`.

```
-bash-4.2# ls -lha /opt/webadm/webapps/selfreg/lang/
total 196K
drwxr-xr-x 2 root root 4.0K Feb 26 17:18 .
drwxr-xr-x 7 root root  203 Feb 26 17:23 ..
-rw-r--r-- 1 root root 1.2K Feb 22 12:56 appkeys.json
-rw-r--r-- 1 root root 2.0K Feb 22 12:56 appkeys_register.json
-rw-r--r-- 1 root root  848 Feb 22 12:56 appkeys_unregister.json
-rw-r--r-- 1 root root  470 Feb 22 12:56 cancel.json
-rw-r--r-- 1 root root  15K Feb 22 12:56 common.json
-rw-r--r-- 1 root root  419 Feb 22 12:56 drop_prefix.json
-rw-r--r-- 1 root root 1.7K Feb 22 12:56 edit_pincode.json
-rw-r--r-- 1 root root 1020 Feb 22 12:56 edit_prefix.json
-rw-r--r-- 1 root root 2.4K Feb 22 12:56 index.json
-rw-r--r-- 1 root root   20 Feb 22 12:56 login_pki.json
-rw-r--r-- 1 root root   20 Feb 22 12:56 login_uid.json
-rw-r--r-- 1 root root   89 Feb 22 12:56 logout.json
-rw-r--r-- 1 root root 5.3K Feb 22 12:56 openotp.json
-rw-r--r-- 1 root root 1.4K Feb 22 12:56 openotp_disable.json
-rw-r--r-- 1 root root 2.5K Feb 22 12:56 openotp_download.json
-rw-r--r-- 1 root root   20 Feb 22 12:56 openotp_endpoint.json
-rw-r--r-- 1 root root  273 Feb 22 12:56 openotp_listdrop.json
-rw-r--r-- 1 root root 1.4K Feb 22 12:56 openotp_listinfo.json
-rw-r--r-- 1 root root 1.3K Feb 22 12:56 openotp_listinit.json
-rw-r--r-- 1 root root  397 Feb 22 12:56 openotp_listview.json
-rw-r--r-- 1 root root  651 Feb 22 12:56 openotp_logintest.json
-rw-r--r-- 1 root root  13K Feb 22 12:56 openotp_register.json
-rw-r--r-- 1 root root 5.5K Feb 22 12:56 openotp_resync.json
-rw-r--r-- 1 root root  471 Feb 22 12:56 openotp_unblock.json
-rw-r--r-- 1 root root   20 Feb 22 12:56 openotp_unregister.json
-rw-r--r-- 1 root root 1.4K Feb 22 12:56 openu2f.json
-rw-r--r-- 1 root root 1.4K Feb 22 12:56 openu2f_logintest.json
-rw-r--r-- 1 root root 3.4K Feb 22 12:56 openu2f_register.json
-rw-r--r-- 1 root root  748 Feb 22 12:56 openu2f_removeall.json
-rw-r--r-- 1 root root  248 Feb 22 12:56 openu2f_unregister.json
-rw-r--r-- 1 root root 3.8K Feb 22 12:56 spankey.json
-rw-r--r-- 1 root root 4.5K Feb 22 12:56 spankey_register.json
-rw-r--r-- 1 root root  890 Feb 22 12:56 spankey_unregister.json
-rw-r--r-- 1 root root 3.1K Feb 22 12:56 tiqr.json
-rw-r--r-- 1 root root 1.5K Feb 22 12:56 tiqr_download.json
-rw-r--r-- 1 root root 1.2K Feb 22 12:56 tiqr_logintest.json
-rw-r--r-- 1 root root 1.9K Feb 22 12:56 tiqr_register.json
-rw-r--r-- 1 root root  436 Feb 22 12:56 tiqr_unblock.json
-rw-r--r-- 1 root root  614 Feb 22 12:56 tiqr_unregister.json
```

For example, to translate or modify the sentence `One-time access ID is invalid`, edit the following file `/opt/webadm/webapps/selfreg/lang/common.json` like below.

```
-bash-4.2# vi /opt/webadm/webapps/selfreg/lang/common.json
{
	"One-time access ID not provided": {
		"FR": "ID unique non fourni",
		"DE": "Einmalige Zugangs-ID nicht angegeben"
	},
	"One-time access ID is invalid": {
		"FR": "ID unique invalide",
		"DE": "Einmalige Zugriffs-ID ist ungültig"
	},
...
```

Add a new language, for example `DE`, then modify `languages="FR,DE"` to the following file `/opt/webadm/webapps/selfreg/selfreg.xml` just like below.

```
-bash-4.2# vi /opt/webadm/webapps/selfreg/selfreg.xml
<?xml version="1.0" encoding="UTF-8" ?>

<!-- YOU SHOULD NOT NEED TO MODIFY THIS FILE -->

<WebApp name="SelfReg"
	icon="selfreg.png"
	version="1.1.8"
	wapi="49" eapi="1"
	admcss="style.css"
	section="Self-Service"
	license="freeware"
	languages="FR,DE"
	desc="User Self-Registration"
	help="Use this Web application to self-register your OTP token or FIDO device after receiving a one-time email or SMS.">
...
```

## 2.6 OpenID & SAML Provider (OpenID)

If you want to add or modify another language then have a look at the following folder `/opt/webadm/webapps/openid/lang/`.

```
-bash-4.2# ls -lha /opt/webadm/webapps/openid/lang/
total 68K
drwxr-xr-x 2 root root  322 Feb 26 17:18 .
drwxr-xr-x 8 root root  197 Feb 26 17:23 ..
-rw-r--r-- 1 root root 1.5K Feb 22 12:54 appsso.json
-rw-r--r-- 1 root root 8.7K Feb 22 12:54 common.json
-rw-r--r-- 1 root root  340 Feb 22 12:54 edit_enabled.json
-rw-r--r-- 1 root root  443 Feb 22 12:54 edit_simplereg.json
-rw-r--r-- 1 root root  463 Feb 22 12:54 edit_timeout.json
-rw-r--r-- 1 root root 2.2K Feb 22 12:54 home.json
-rw-r--r-- 1 root root   21 Feb 22 12:54 index.json
-rw-r--r-- 1 root root 1.2K Feb 22 12:54 login_pki.json
-rw-r--r-- 1 root root   20 Feb 22 12:54 login_sso.json
-rw-r--r-- 1 root root  149 Feb 22 12:54 logout.json
-rw-r--r-- 1 root root  615 Feb 22 12:54 openotp.json
-rw-r--r-- 1 root root 1.2K Feb 22 12:54 tiqr.json
-rw-r--r-- 1 root root   20 Feb 22 12:54 tiqr_check.json
-rw-r--r-- 1 root root  832 Feb 22 12:54 tiqr_offline.json
-rw-r--r-- 1 root root  818 Feb 22 12:54 trust.json
-bash-4.2#
```

For example, to translate or modify the sentence `Server error`, edit the following file `/opt/webadm/webapps/openid/lang/common.json` like below.

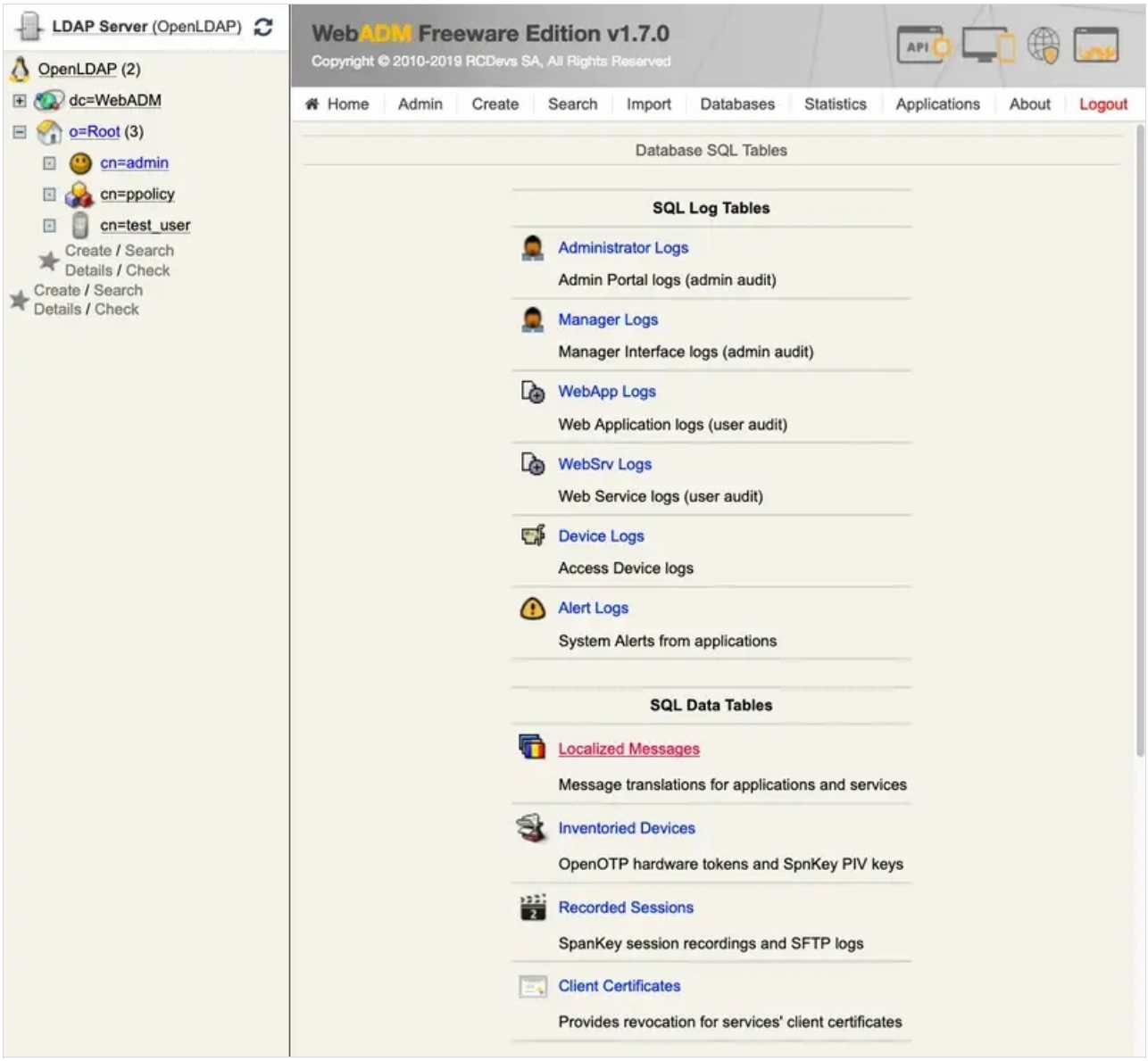
```
-bash-4.2# vi /opt/webadm/webapps/openid/lang/common.json
{
	"OpenOTP is not installed or configured": {
		"FR": "OpenOTP n'est pas installé ou configuré",
		"DE": "OpenOTP ist nicht installiert oder konfiguriert"
	},
	"Server error": {
		"FR": "Erreur du serveur",
		"DE": "Serverfehler"
	},
...
```

Add a new language, for example `DE`, then modify `languages="FR,DE"` to the following file `/opt/webadm/webapps/openid/openid.xml` just like below.

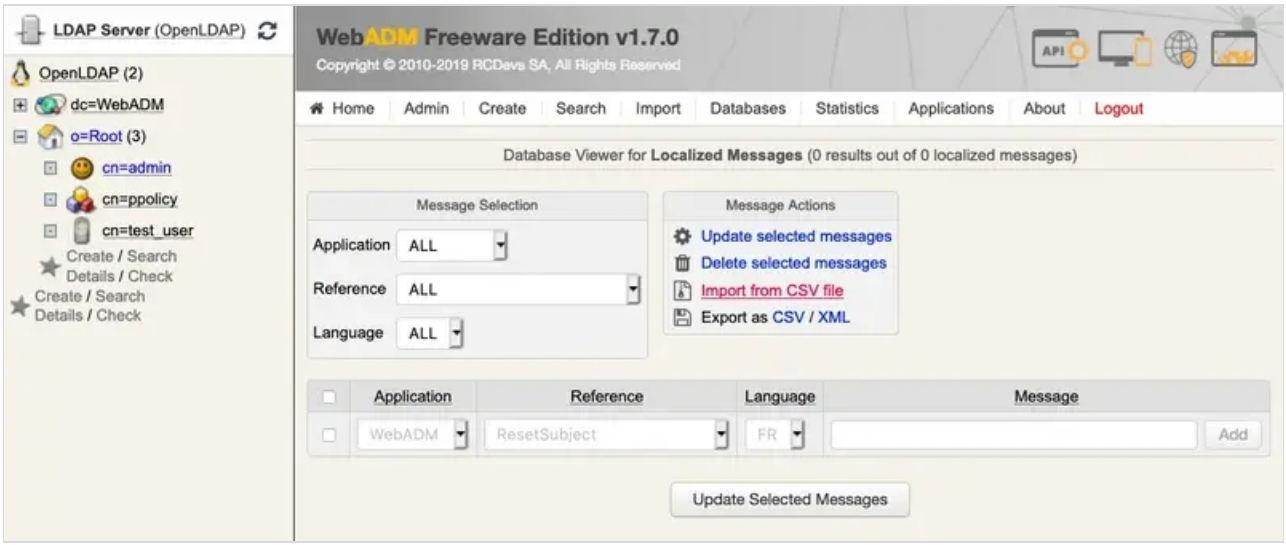
```
-bash-4.2# vi /opt/webadm/webapps/openid/openid.xml
<?xml version="1.0" encoding="UTF-8" ?>

<!-- YOU SHOULD NOT NEED TO MODIFY THIS FILE -->

<WebApp name="OpenID"
        version="1.3.0-1"
        wapi="50"
        section="Single Sign-On"
        license="freeware"
        languages="FR,DE"
        icon="openid.png"
        desc="OpenID &amp;amp; SAML Provider"
        help="OpenID &amp;amp; SAML single sign-on service (Identity Provider), supporting SAML2, OpenID-Connect and OAuth2.">
...
```

### 2.7 Localized Messages

To get an overview of all the message templates go to `Databases` and click on `Localized Messages`.

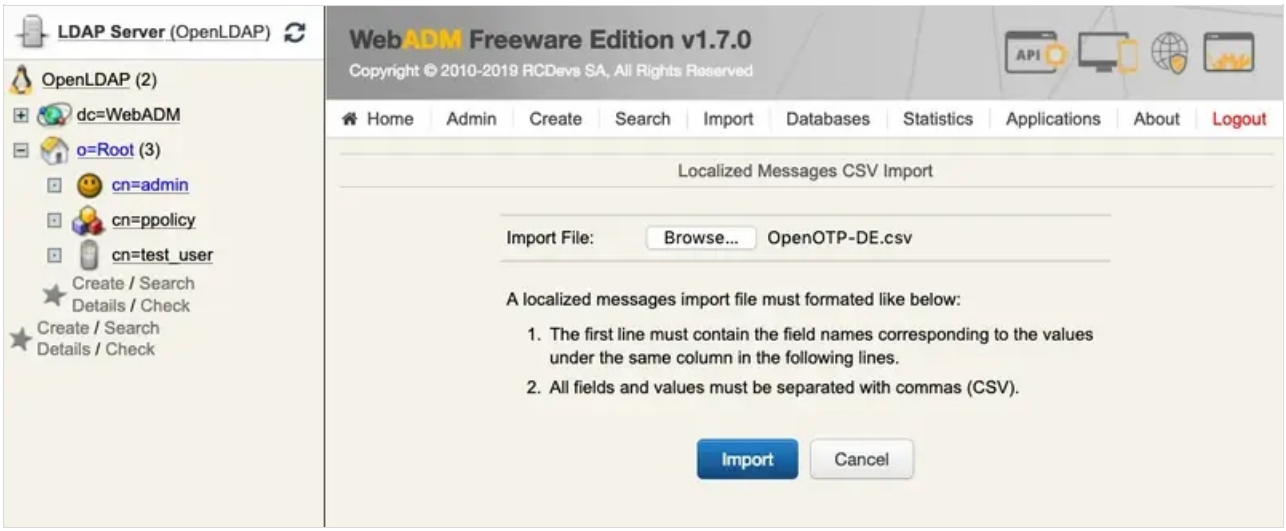


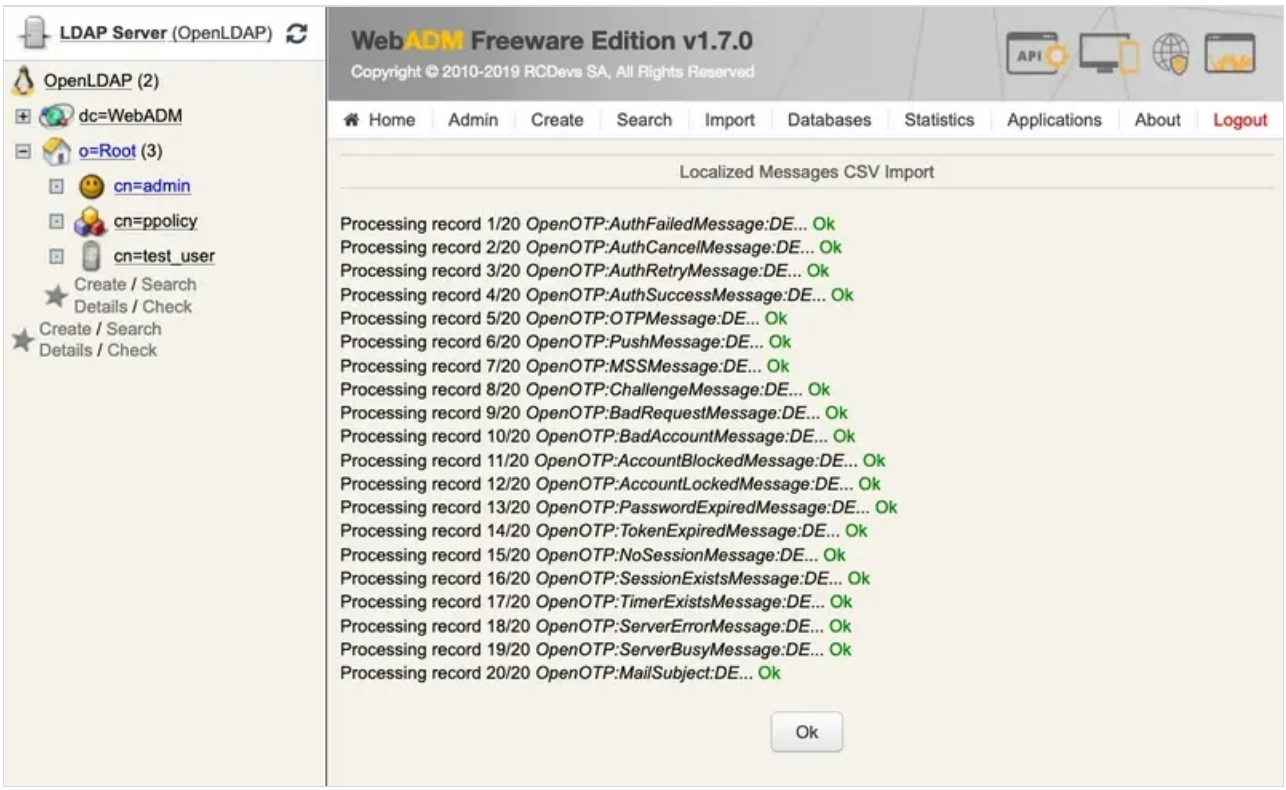

Message templates for other languages can be added here. One can export/import as/from a CSV file. Click on `Import from CSV file`.

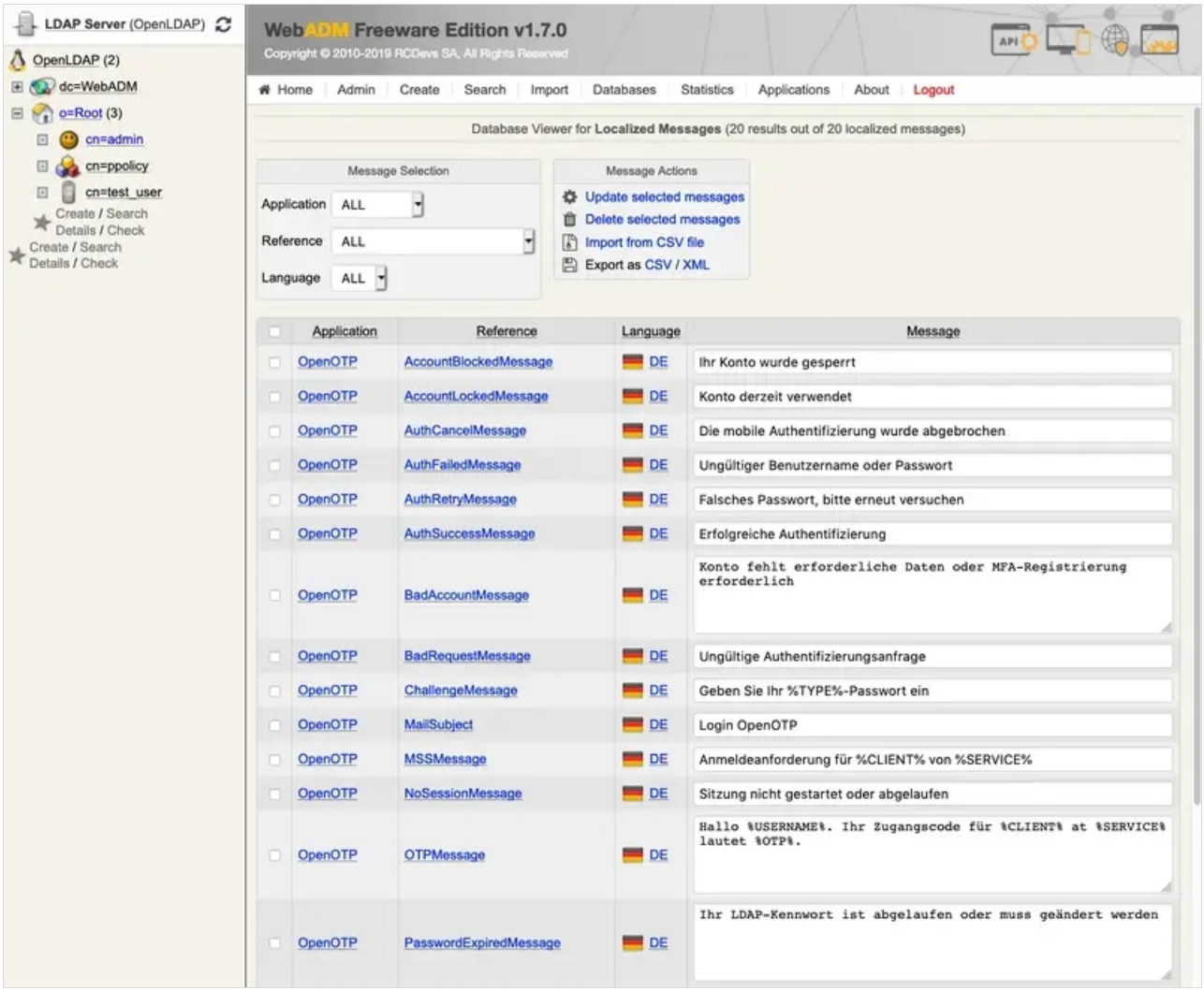



The translation files for OpenOTP are located in the `/opt/webadm/websrvs/openotp/doc/languages/` folder and for SpanKey in the `/opt/webadm/websrvs/spankey/doc/languages/` folder.

```
-bash-4.2# ls -lha /opt/webadm/websrvs/openotp/doc/languages/
total 12K
drwxr-xr-x 2 root root   50 Mar  1 11:01 .
drwxr-xr-x 5 root root 4.0K Mar  1 11:01 ..
-rw-r--r-- 1 root root 1.8K Mar  1 11:01 OpenOTP-DE.csv
-rw-r--r-- 1 root root 1.6K Mar  1 11:01 OpenOTP-FR.csv
-bash-4.2# ls -lha /opt/webadm/websrvs/spankey/doc/languages/
total 8.0K
drwxr-xr-x  2 root root   50 Mar  1 11:01 .
drwxr-xr-x. 3 root root   85 Mar  1 11:01 ..
-rw-r--r--  1 root root 1.2K Mar  1 11:01 SpanKey-DE.csv
-rw-r--r--  1 root root 1.2K Mar  1 11:01 SpanKey-FR.csv
-bash-4.2#
```

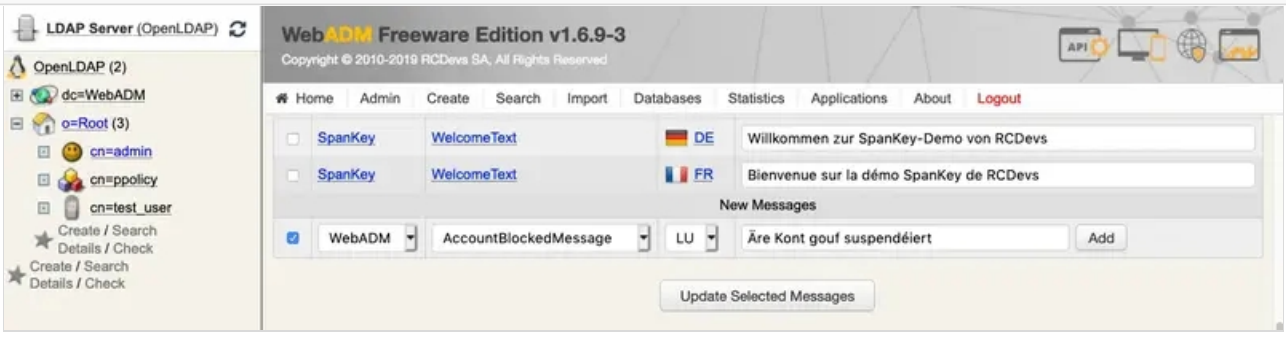





Per default, only the languages “EN”,“FR”,“DE”,“ES”,“IT”,“FI” are available. However, one can add more by adding it to `/opt/webadm/conf/webadm.conf`. For example, “LU” for luxembourgish. Afterward, restart WebADM with `/opt/webadm/bin/webadm restart`.

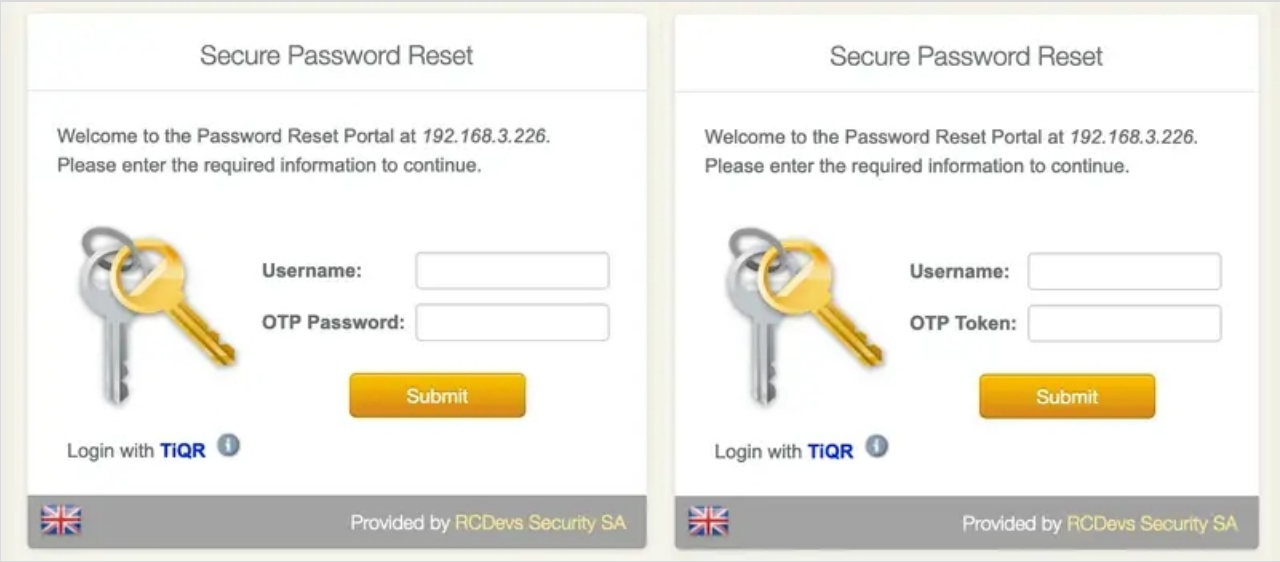
```
-bash-4.2# vi /opt/webadm/conf/webadm.conf
#
# WebADM Server Configuration
#
...
# Application languages
languages "EN","FR","DE","ES","IT","FI","LU"
...
```



## 2.8 Custom Messages

To modify any English or other language message templates.

For example: To change the “OTP Password:” to “OTP Token:” in the Secure Password Reset log in webpage.




First, create the `custom.json` file, modify it like below and save it.

```
-bash-4.2# cp /opt/webadm/webapps/pwreset/lang/openotp.json
/opt/webadm/webapps/pwreset/lang/custom.json
-bash-4.2# vi /opt/webadm/webapps/pwreset/lang/custom.json"
{
 "OTP Password:": {
  "EN": "OTP Token:",
  "FR": "OTP Token:",
  "DE": "OTP Token:"
 }
}
```

Afterward, clear the WebADM System Caches `WebADM GUI > Admin > Clear WebADM System Caches`.

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