



PLIVO SMS GATEWAY & WEBADM

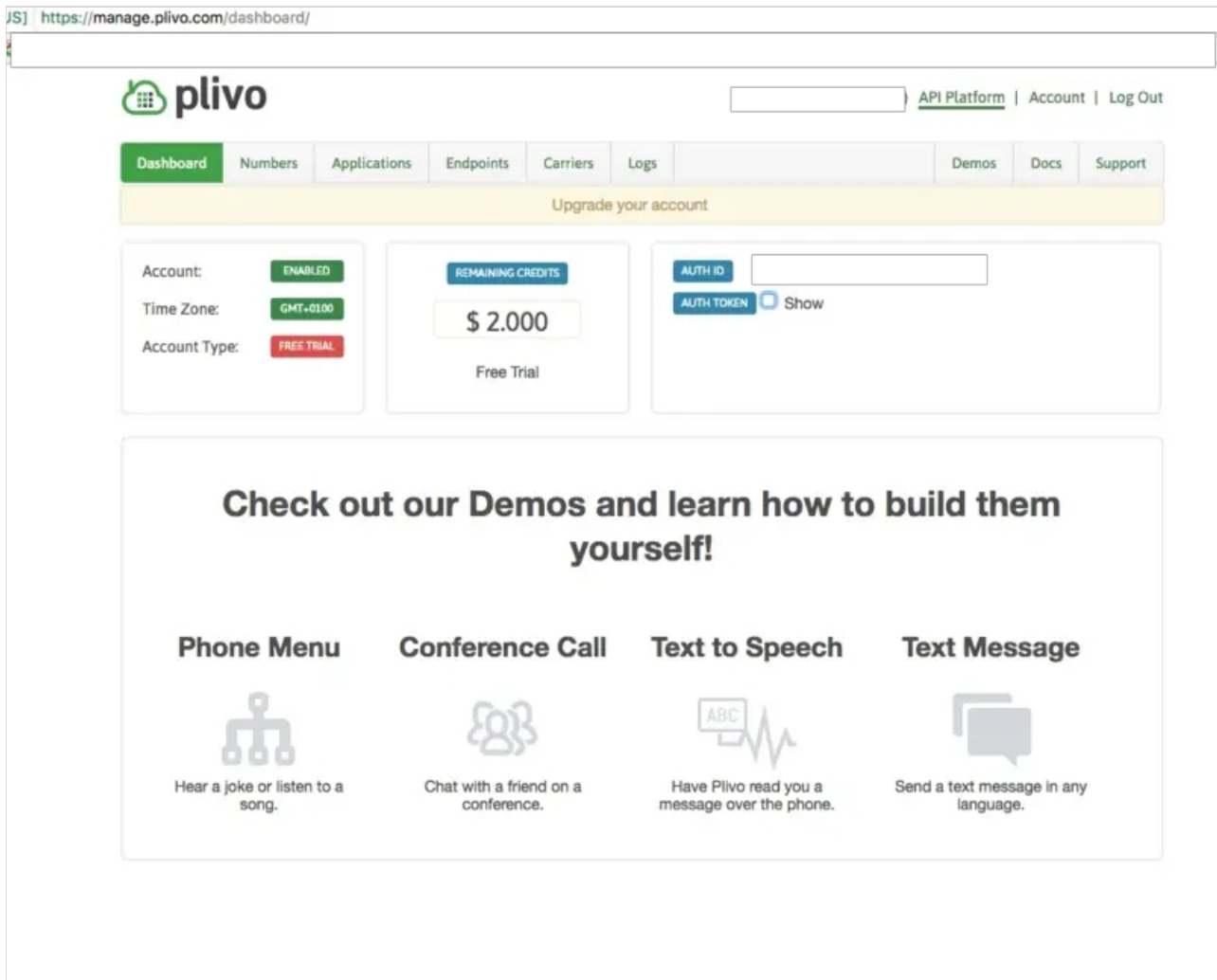
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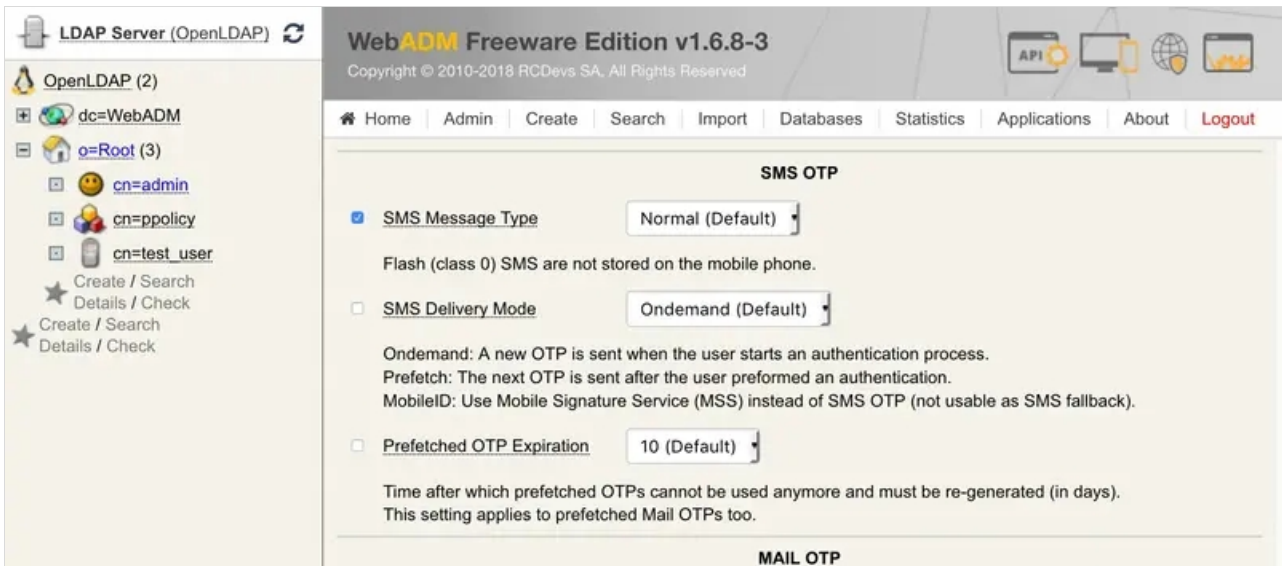
1. Set up an Account on Plivo

- > Sign up for an account.
- > Add the credit to the account (however, you should get some initial free credit when signing up).
- > From the Dashboard go to API Platform and copy the AuthID and the AuthToken.

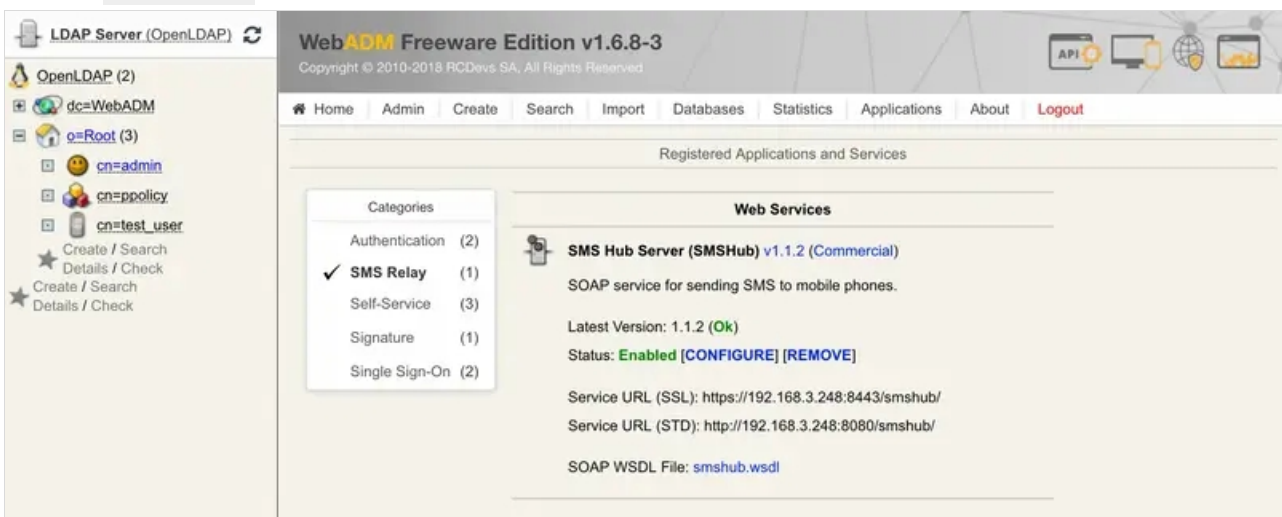


2. Configure WebADM:

- > Login to WebADM.
- > Go to **Applications** → **MFA Authentication Server**.
 - > Configure the section **SMS OTP**.
- > **SMS Message Type** ==> **Normal** (We advise testing using Normal first).



- > Apply changes.
- > Go to **Applications** → **SMS Relay**.
- > Register the SMS Hub Server application (if you haven't already).
- > Click on **CONFIGURE**.



- > Set up the **SMS Gateway 1** section with the details from Plivo - instructions are embedded in the page.

LDAP Server (OpenLDAP)

OpenLDAP (2)

- dc=WebADM
- o=Root (3)
 - cn=admin
 - cn=ppolicy
 - cn=test_user
- Create / Search
Details / Check
- Create / Search
Details / Check

WebADM Freeware Edition v1.6.8-3
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SMS Gateway 1

SMS Gateway

Clickatell: Clickatell Platform REST API (<http://www.clickatell.com>).
 Clickatell (REST): Clickatell Central REST API (deprecated).
 Clickatell (SOAP): Clickatell Central SOAP API (deprecated).
 Plivo: Plivo REST API (<http://www.plivo.com>).
 AQL: AQL HTTP API (<http://www.aql.com>).
 Mpulse: Mpulse SOAP API (<http://www.mpulse.eu>).
 GenericSMPP: Generic SMPP-TR gateway (server address and port required).
 GnokiiDevice: Locally connected SIMbox and mobile phone with the Gnokii tool.
 Custom[1-4]: Custom SMS gateway implemented in smsc/custom[1-4].php.

SMSC Username

Clickatell Platform: Not needed (leave blank).
 Clickatell Central (SOAP): Developer account username.
 Plivo: Authentication ID (AUTH_ID).
 GenericSMPP: SMPP service username.

SMSC Password

Clickatell Platform: Not needed (leave blank).
 Clickatell Central (SOAP): Developer account password.
 Plivo: Authentication Token (AUTH_TOKEN).
 GenericSMPP: SMPP service password.

SMSC Account

Clickatell Platform: SMS Account API Key.
 Clickatell Central (REST): Account REST Auth Token.
 Clickatell Central (SOAP): Account SOAP API-ID.
 Generic SMPP: Value passed in 'system_type' SMPP parameter.
 Custom SMSC: Value passed to 'account' function parameter.

SMSC Custom Name

> Apply changes.

3. Activate SMS Login on Group of Users:

- > Select the AD/LDAP group.
- > If the group is not activated (to openotp), choose **Activate** now.
- > In the **Object Details** box, choose to **CONFIGURE** on WebADM Settings.
- > Choose OpenOTP Settings and set.

OTP Type ==> SMS

4. Configure User (if needed)

- > The user needs a mobile number, which can be added (if not already existing) as an attribute.
- > The user needs an OpenOTP authentication setup which uses SMS - (in WebADM settings for the user, under **OpenOTP** configuration).

LDAP Server (OpenLDAP) **WebADM Freeware Edition v1.6.8-3**
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Application Settings for **cn=test_user,o=Root**

Applications

- OpenID
- PwReset
- SelfDesk
- SelfReg
- OpenOTP (1)**
- OpenSSO
- SpanKey
- TiQR

Authentication Policy

Login Mode OTP

The login mode (required login factors) should be ajusted via Client Policies.

- LDAPOTP: Require both LDAP and OTP passwords.
- LDAPU2F: Require both LDAP and FIDO response.
- LDAPMFA: Require LDAP and either OTP or FIDO.
- LDAP: Require LDAP password only.
- OTP: Require OTP password only.

OTP Type SMS

- TOKEN: OATH HOTP/TOTP/OCRA, YubiKey or MobileOTP Token.
- SMS: SMS one-time password (On-demand or Prefetched).
- MAIL: Email one-time password (On-demand or Prefetched).
- LIST: Pre-generated OATH OTP password list (to be printed).
- PROXY: Forward requests to another RADIUS server (for migrations).

OTP Fallback MAIL

Fallback OTP Type to be used as secondary authentication method.
 LASTOTP let users use the last validated OTP which expires after a delay.
 Use DISABLED to disabled fallback if there is a configuration by default.

OTP Password Length 6 (Default)

Note: This setting is ignored for OCRA Tokens as OTP length is part of the OCRA Suite.
 Warning: Changing this setting after having registered OATH Tokens will invalidate these Tokens.

OTP PIN Prefix Yes No (default)

When enabled a static prefix has to be prepended to any OTP password in the form [PIN][OTP].
 The OTP Prefix must be registered first and must be at least 4 alpha-numeric characters.

Challenge Session Timeout 90 (Default)

Timeout to wait for a challenge response (in seconds).
 Note: SMS OTP and MAIL OTP may requires longer timeouts.

5. Test

> Test the configuration using a valid user with a mobile number and using the MFA Authentication service link in the user's page

:

LDAP Actions	Object Details	Application Actions
<ul style="list-style-type: none"> Delete this object Copy this object Move this object Export to LDIF Change password Create certificate Unlock WebApp access Advanced edit mode 	<p>Object class(es): webadmAccount, person, user</p> <p>WebADM settings: 1 settings [CONFIGURE]</p> <p>WebADM data: None [EDIT]</p> <p>User activated: Yes Deactivate </p> <p>Logs and inventory: WebApp, WebSrv, Inventory, Record</p>	<ul style="list-style-type: none"> Secure Password Reset (1 actions) User Self-Registration (1 actions) MFA Authentication Server (16 actions) SMS Hub Server (1 actions) SSH Public Key Server (3 actions)

Mobile: ▾

SMS Type: ▾

Sender:

Message:

Simulated Client: ▾

Simulated Source:

Request Settings:

Debug Mode: (enable debug logs for this request)

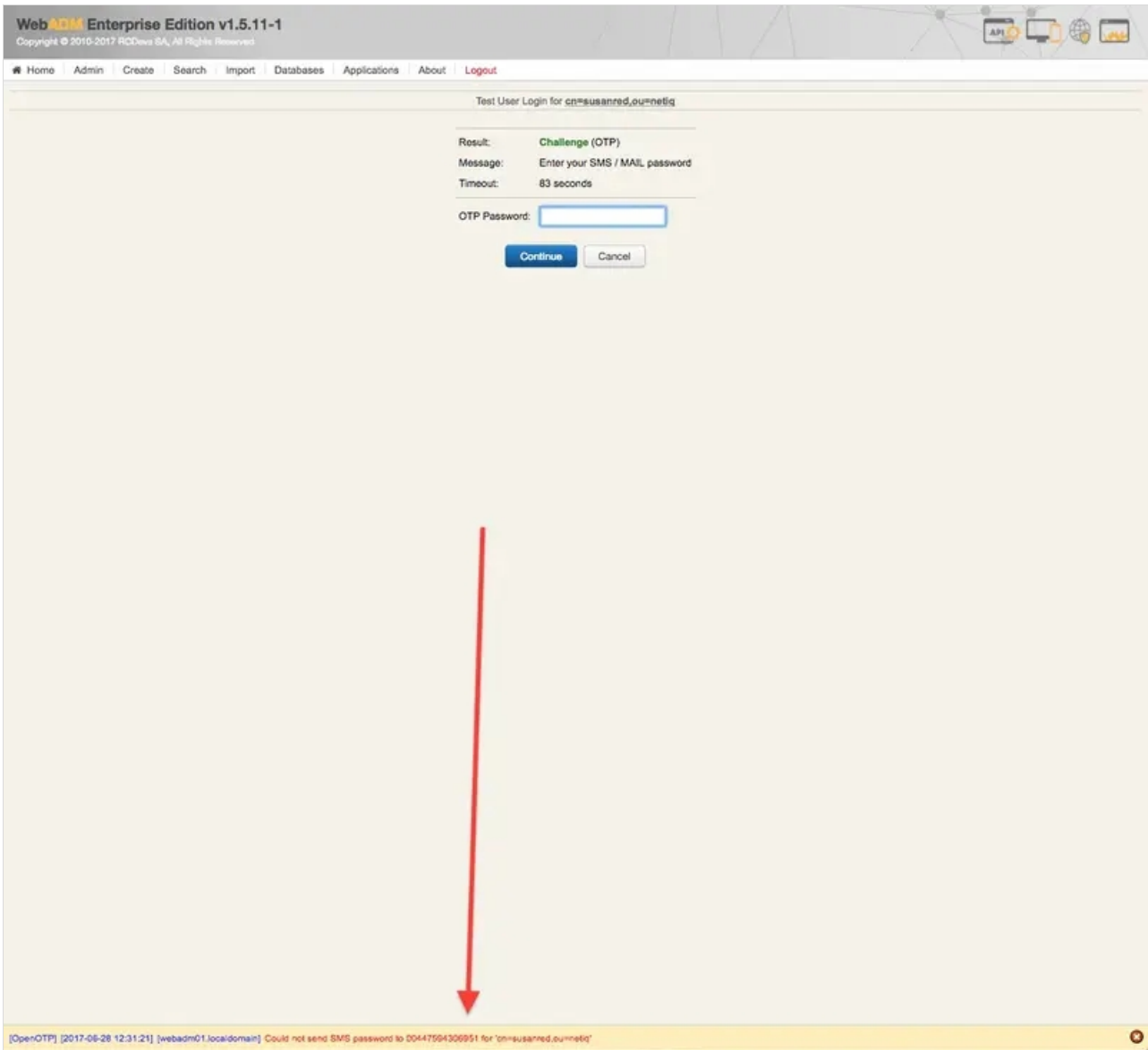
6. Troubleshooting

- > **BEWARE** of the “Sandbox” numbers, check [Plivo](#) documentation website.
- > In case of problems with Plivo, head to the Logs -> Debug section in your dashboard to check what’s happening (and/or check the WebADM Logs).

The screenshot shows the Plivo dashboard with the 'Logs' tab selected. The 'Debug' sub-tab is also active. The search bar shows 'Showing logs for Parent' and a search button. The log table displays the following entries:

Time	ID	Message	Level
Jun 28,2017 12:23:09	ApilID		INFO
Jun 28,2017 12:23:09	ApilID		INFO
Jun 28,2017 12:23:09	ApilID	response success	INFO
Jun 28,2017 12:23:09	ApilID	API initiated	INFO
Jun 28,2017 12:20:14	ApilID	response error	ERROR
Jun 28,2017 12:20:14	ApilID	API initiated	INFO
Jun 28,2017 12:18:04	ApilID	response error	ERROR
Jun 28,2017 12:18:04	ApilID	API initiated	INFO

- › If WebADM fails to send the SMS, you will be notified at the bottom of the page (typical WebADM notification pattern).



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