FORTINET

FortiAuthenticator Interoperability Guide: Clickatell SMS

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Revision History

Date	Revision Number	Change Description
Aug 1st 2012	Revision 1	Initial revision.

Contents

About this Guide

Purpose of this document

This document has been produced to aid the configuration of the FortiAuthenticator SMS Gateway with the Clickatell SMS Service.

Fortinet do not endorse Clickatell in any way, neither should this guide be taken as any official configuration of the Clickatell system. The Clickatell system may change without notice so the website should be checked for the most current API configuration.

- FortiAuthenticator 1.0 MR4 *

* Note that Custom SMS Gateways are not supported in FortiAuthenticator 1.0 MR3.

Document Conventions

When you read this manual, you will see that certain words are represented in different fonts, typefaces, sizes and weights. This highlighting is systematic; text is represented in a particular style to indicate its importance or meaning e.g.

the same style to indicate their inclusion in a specific category. The types of words that are represented this way include the following:

Processes which are to be followed such as browsing to the correct section of a web site are highlighted in italics and steps separated by arrows e.g.

Browse to *User → User Group*

Text displayed on screen which may include configuration or be the result of executing a command is displayed in `Courier New font` e.g.

```
Port 1 IP: 192.168.1.99
Port 1 Netmask: 255.255.255.0
Default Gateway: 192.168.1.1
```

Paths and file locations are shown in ***`Italic Courier New`*** e.g

Edit the file *`/etc/ssh/sshd_config`*

CLI Commands which are to be executed by the user are shown in ***`Italic Bold Courier New font`*** e.g

Open the CLI and type ***`exe factory reset`***

GUI Commands which are to be executed by the user are shown in ***Italic Bold Arial font*** e.g

> Under *Configure SSL-VPN Users*, click **Add**.

Variables which should be replaced with the correct text such as passwords are displayed as a descriptor in `Courier New font` within angled brackets e.g.

```
Username:   <username>
Password:   <password><Token PIN>
```

Links are highlighted in <u>underlined blue text</u> e.g.

> https://192.168.1.99

Additional attention is brought to specific point by the use of interest using the following breakout box format:

☞ **Note**

This feature is only supported in version 1.3 onwards.

⚠ **Caution**

Do not add any local user to this policy under Available Users. If you do this, RADIUS Authentication will fail.

🛑 **Warning**

The execution of this command may result in data loss.

Integrating FortiAuthenticator with Clickatell SMS Gateway.

The Basic configuration of the FortiAuthenticator is shown below. Any deviations or change which are required from this configuration will be detailed in the relevant section.

For more detail on he setup and configuration of the FortiAuthenticator see the Administration Guide at http://docs.fortinet.com/auth.html.

Creating and Configuring the Clickatell Account

Create an account with Clickatell based on the Developers Central feature.

Clickatell offer o free account with 10 free SMSes in certain regions. This can be utilised to prove the service.

Once the account has been created, select the HTTP/S API to create an API Key and

enable the service. SMTP is also supported however, HTTP/S provides response codes so should be used wherever possible.

Once selected, click submit to acquire an API ID

The Clickatell web site displays the exact HTTP parameters required for a successful SMS. This string should be copied and replicated using the available variables on the FortiAuthenticator

The HTTP API is of the format:

http://api.clickatell.com/http/sendmsg?user=<username>&password=<password>&api_id=<api_id>&to=<mobile_number>&text=<sms_message>

Configuring the FortiAuthenticator

The purpose of the configuration on the FortiAuthenticator is to replicate the required API format required by Clickatell and insert the correct variables. The available variables are defined in Appendix A.

Once the correct parameters have been configured, verify that the URL Preview is the same as that displayed on the Clickatell web site.

Once this has been configured, configure a user to use SMS tokens and verify the SMS is correctly sent.

Note that with the 10 free Demo SMS do not display the correct content but rather generic replacement text. Once you have proven that the SMS can be triggered, you will need to purchase SMS credits to fully verify the solution.

Appendix A – Available Variables

The following variables are available in creation of the POST URL:

User Mobile Country Dialing code   {{:country_code}}
User Mobile number   {{:mobile_number}}
SMS Message to be sent containing the token   {{:message}}