

Antifraud System Integration

Landing Page

The landing page mode integration is made for mobile network operators, payment gateways and digital merchants who host the landing page and/or payment pages.

Integration steps to manage fraud on the flow

- 1- Merchant requests GetScript API from Antifraud's platform.
- 2- Merchant installs this script on the relevant pages to protect.
- 3- Events and metrics (load, click...) are sent to Antifraud's platform for deep analysis.
- 4- On Subscription Verification, the transaction Id (ti*) and timestamp (ts*) will be verified or blocked depending on Antifraud's platform analysis.

It is a code to be deployed on the purchase or subscription verification confirmation pages:

- Javascript code
- Non-blocking
- Dynamically generated via web service
- Low latency under 100ms RTT included

This probe will gather the necessary information for our real-time analysis.

This kit is generated at the code level that the page produces to monitor.

Get Script API

This request returns a Javascript that you will have to insert in the landing page containing the CTA (Click to Action) that you want to protect. The script must be placed before of all other scripts in the <head> tag

QUERY PARAMS:

ti* string

This is one unique identifier you have to fill to identify the transaction on our side. One transaction equal one identifier.

te* string

This is the targeted element you want to protect (aka your CTA DOM element to protect.) This parameter is not required in redirect mode integration.

ts* int32

The current timestamp of the transaction.

servicename* string

This is the service name you have to fill to identify the transaction on our side.

merchantname* string

This is the merchant name you have to fill to identify the transaction on our side.

type* string

This is the type you have to fill to identify the transaction on our side if it's "he" or "pin".

HTML Header Example Using php:

```
<?php
```

```
$html = "http://ziq.dcb-  
protect.merlica.com:8090/dcbprotect.php?action=script&ti=$ti&ts=$ts&te=%23cta_button&  
servicename=$servicename&merchantname=$merchantname&type=$type";  
$test = file_get_contents($html);  
  
$test = json_decode($test);
```

?>

<head>

<script>

<?php echo \$test->s; ?>

</script>

</head>

Verification will be done on the VMS level after providing the ti and ts parameters in the subscription request or redirection request.

OTP Subscription Through Landing Page

Service Provider Landing Page can be developed in 2 different ways:

- i) The two pages (Enter phone number and pin code) are same page but changes are done using script without redirecting between pages.
- ii) Enter phone number and OTP page are two different Pages.

Sample Using case I:

1) On landing page load, service provider should do apply the following:

- a) Generate a transaction id called ti. Preferable to start with a prefix related to the service provider with a unique transaction Id that shouldn't be a duplicate.
- b) Generate the current timestamp, below is an example:

Epoch timestamp: 1630560419

Date and time (GMT): Thursday, September 2, 2021 5:26:59 AM

- c) Set the merchant name and service name parameters.
- d) Set the te as the id of the verify pin code button, in the below example te will be #cta_button, also service provider must send it as url encoded which will be %23cta_button:

```
<button onclick="functiontodo();" id="cta_button">Subscribe</button>
```

Complete URL will be as below for the get Script:

http://ziq.dcb-protect.merlica.com:8090/dcbprotect.php?action=script&ti=SPPref-tsds-aasasa-121212&ts=1630560419&te=%23cta_button&servicename=testservice&merchantname=spname&type=pin

- e) Service provider shall get the script, the response should be json, the json should be decoded and execute the parameter "s" in the script tag:

```
<script> <?php echo $test->s; ?> </script>
```

2) Once user enters the phone number and press send pin code, the service provider shall push send pin code request to the SDP.

3) User will receive the pin code on the mobile and a pin code box shall appear to the user.

4) User will enter the pin code and press the subscribe button which we named it in our sample "cta_button".

5) Service provider will send a verify pin code request through SDP API. The Sample will be as below:

<https://sdp-host/verifyPincode?user=apiuser&password=apipassword&msisdn=UserMSISDN&shortcode=SHORTCODE&serviceId=serviceID&spId=SPID&pincode=Pincode&ti=SPPREFIX-test-000001201212&ts=1630560419>

If the response was success, then the user will be subscribed into the service else the script should be reloaded with different ti and ts.

Sample Using case II:

- 1) Service Provider have two pages (enter MSISDN and verify pin code)
- 2) User should login into the enter MSISDN page and enter his/her phone number.
- 3) The service provider will push pin code request to the SDP.
- 4) The user will receive pin code and will be redirected to the OTP Page with subscribe button, in our sample called cta_button which will be considered as the subscription button.
- 5) On loading the OTP verification page, the service provider shall do the following:

- a) Generate a transaction id called ti. Preferable to start with a prefix related to the service provider with a unique transaction Id that shouldn't be a duplicate.
- b) Generate the current timestamp, below is an example:

Epoch timestamp: 1630560419

Date and time (GMT): Thursday, September 2, 2021 5:26:59 AM

- c) Set the merchant name and service name.
- d) Set the te as the id of the verify pin code button, in the below example te will be #cta_button, also service provider must send it as url encoded which will be %23cta_button:

```
<button onclick="functiontodo();" id="cta_button">Subscribe</button>
```

- e) Complete URL will be as below for the get Script:

http://ziq.dcb-protect.merlica.com:8090/dcbprotect.php?action=script&ti=SPPref-tsds-aasasa-121212&ts=1630560419&te=%23cta_button&servicename=testservice&merchantname=spname

- f) Service provider shall get the script, the response should be json, the json should be decoded and execute the parameter “s” in the script tag:

```
<script> <?php echo $test->s; ?> </script>
```

4) User will enter the pin code and press the subscribe button which we named it in our sample “cta_button”.

5) Service provider will send a verify pin code request through SDP API. The Sample will be as below:

<https://sdp-host/verifyPincode?user=apiuser&password=apipassword&msisdn=UserMSISDN&shortcode=SHORTCODE&serviceId=serviceID&spId=SPID&pincode=Pincode&ti=SPPREFIX-test-000001201212&ts=1630560419>

If the response was success, then the user will be subscribed into the service else the script should be reloaded with different ti and ts.