

Carrier Decryption API

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Introduction

The Carrier decryption API facilitates Merchants to build Applications or automated systems to decrypt Prepaid Pin files from the following carriers:

- ✓ Bmobile
- ✓ Digicel

Plugin Types

The plugins we provide to interface with our API in the various languages are:

- PHP (code included in this document)
- Perl *
- Python *
- Java (code included in this document for Hosted API versions)
- JavaScript *
- C# .Net *

**** Provided upon request***

API Hosted Code Examples

This version of the API utilizes the storage mechanisms on the owner of API Service.

Digicel

Attribute	Value
API URL	https://www.ttservices.net/Decryptpgp3desFormDigicelHostedAPI2.php
Content-Type	application/json
Call Type	POST
Message Type	JSON of array ('thedata'=>Base64 encoding of JSON encoding of array of below parameters)

Request Details

Parameter	Description
email	Account email
pass	Account password
passphrase	PGP passphrase
pgpkeycontent	PGP Private Key File Content
encontent	Encrypted file Content

Response Details(Base64 & JSON Encoding of array ['message'=>message,'file'=>filepath])

Parameter	Description
message	PGP Status
file	Decrypted File Path
sessionsremain	#of of sessions remaining

Sample

```
<?php
$datarr=['email'=>$email,'pass'=>$pass,'passphrase'=>$passphrase,pgpkeycontent=>$pgpkeycontent,encontent=>
$encontent];
$datajson=json_encode($datarr);
$dataenc=base64_encode($datajson);

$url='https://www.ttsservices.net/Decryptpgp3desFormDigicelHostedAPI2.php';
$datajson2 = array('thedata' => $dataenc);
$datajsonstr=json_encode($datajson2);

set_time_limit(0);
$ch = curl_init();
curl_setopt_array($ch, [
    CURLOPT_RETURNTRANSFER => 1,
    CURLOPT_URL => $url,
    CURLOPT_SSL_VERIFYPEER => false,
    CURLOPT_SSL_VERIFYHOST => false,
    CURLOPT_TIMEOUT => 1000000,
    CURLOPT_POSTFIELDS => $datajsonstr,
    CURLOPT_HTTPHEADER => ['Content-Type: application/json', 'Content-Length: ' . strlen($datajsonstr)]
]);

$result = curl_exec($ch);
curl_close($ch);
$decodedresult = json_decode(base64_decode($result),true);
echo 'Message : '.$decodedresult['message'],'<BR>';
echo 'FilePath : '.$decodedresult['file'],'<BR>';
?>
```

Sample in Java

Download Executable at :

<https://www.ttservices.net/plugin/java/pgpRequestLauncher.jar>

Command Line example:

```
java -jar pgpRequestLauncher.jar 1 "email" "password" "passphrase" "pgpkeyfile" "enfile"
```

Bmobile

Attribute	Value
API URL	https://www.ttsservices.net/Decryptpgp3desFormBmobileHostedAPI2.php
Content-Type	application/json
Call Type	POST
Message Type	JSON of array ('thedata'=>Base64 encoding of JSON encoding of array of below parameters)

Request Details

Parameter	Description
email	Account email
pass	Account password
passphrase	PGP passphrase
pgpkeycontent	PGP Private Key File Content
tripledescontent	Triple DES Key File Content
encontent	Encrypted file Content

Response Details(Base64 & JSON Encoding of array ['message'=>message,'file'=>filepath])

Parameter	Description
message	PGP Status & 3DES Status
file	Decrypted File Path
sessionsremain	#of of sessions remaining

Sample

```
<?php
$datarr=['email'=>$email,'pass'=>$pass,'passphrase'=>$passphrase,pgpkeycontent=>$pgpkeycontent,encontent=>
$encontent,tripledescontent=>$tripledescontent];
$datajson=json_encode($datarr);
$dataenc=base64_encode($datajson);

$url='https://www.ttsservices.net/Decryptpgp3desFormBmobileHostedAPI2.php';
$datajson2 = array('thedata' => $dataenc);
$datajsonstr=json_encode($datajson2);

set_time_limit(0);
$ch = curl_init();
curl_setopt_array($ch, [
    CURLOPT_RETURNTRANSFER => 1,
    CURLOPT_URL => $url,
    CURLOPT_SSL_VERIFYPEER => false,
    CURLOPT_SSL_VERIFYHOST => false,
    CURLOPT_TIMEOUT => 1000000,
    CURLOPT_POSTFIELDS => $datajsonstr,
    CURLOPT_HTTPHEADER => ['Content-Type: application/json', 'Content-Length: ' . strlen($datajsonstr)]
]);

$result = curl_exec($ch);
curl_close($ch);
$decodedresult = json_decode(base64_decode($result),true);
echo 'Message : '.$decodedresult['message'],'<BR>';
echo 'FilePath : '.$decodedresult['file'],'<BR>';
?>
```

Sample in Java

Download Executable at :

<https://www.ttservices.net/plugin/java/pgpRequestLauncher.jar>

Command Line example:

```
java -jar pgpRequestLauncher.jar 2 "email" "password" "passphrase" "pgpkeyfile" "tripleledesfile" "enfile"
```

API Non Hosted Code Examples

This version of the API uses the Merchant file storage system only.

Digicel

Attribute	Value
API URL	https://www.ttsservices.net/Decryptpgp3desFormDigicelNotHostedAPI2.php
Content-Type	application/json
Call Type	POST
Message Type	JSON of array ('thedata'=>Base64 encoding of JSON encoding of array of below parameters)

Request Details

Parameter	Description
email	Account email
pass	Account password
passphrase	PGP passphrase
pgpkeycontent	PGP Private Key File Content
encontent	Encrypted file Content
actualpath	Explicit Server path to working folder eg: /root/web/pgpfiles
webpath	Explicit Web path to working folder eg: https://mysite.com/pgpfiles

Response Details(Base64 & JSON Encoded response string)

Response	Values
String	Decrypted file path or Error message if failed

Sample

```
<?php
$datarr=['email'=>$email,'pass'=>$pass,'passphrase'=>$passphrase,pgpkeycontent=>$pgpkeycontent,encontent=>
$encontent,'actualpath'=>$actualpath, 'webpath'=>$webpath];
$datajson=json_encode($datarr);
$dataenc=base64_encode($datajson);

$url='https://www.ttsservices.net/Decryptpgp3desFormDigicelNotHostedAPI2.php';
$datajson2 = array('thedata' => $dataenc);
$datajsonstr=json_encode($datajson2);

set_time_limit(0);
$ch = curl_init();
curl_setopt_array($ch, [
    CURLOPT_RETURNTRANSFER => 1,
    CURLOPT_URL => $url,
    CURLOPT_SSL_VERIFYPEER => false,
    CURLOPT_SSL_VERIFYHOST => false,
    CURLOPT_TIMEOUT => 1000000,
    CURLOPT_POSTFIELDS => $datajsonstr,
    CURLOPT_HTTPHEADER => ['Content-Type: application/json', 'Content-Length: ' . strlen($datajsonstr)]
]);

$result = curl_exec($ch);
curl_close($ch);
echo $result;
?>
```

Bmobile

Attribute	Value
API URL	https://www.ttservices.net/Decryptpgp3desFormBmobileNotHostedAPI2.php
Content-Type	application/json
Call Type	POST
Message Type	JSON of array ('thedata'=>Base64 encoding of JSON encoding of array of below parameters)

Request Details

Parameter	Description
email	Account email
pass	Account password
passphrase	PGP passphrase
pgpkeycontent	PGP Private Key File Content
tripledescontent	Triple DES Key File Content
encontent	Encrypted file Content
actualpath	Explicit Server path to working folder eg: /root/web/pgpfiles
webpath	Explicit Web path to working folder eg: https://mysite.com/pgpfiles

Response Details(Base64 & JSON Encoded response string)

Response	Values
String	Decrypted file path or Error message if failed

Sample

```
<?php
$datarr=['email'=>$email,'pass'=>$pass,'passphrase'=>$passphrase,pgpkeycontent=>$pgpkeycontent,encontent=>
$encontent,tripledescontent=>$tripledescontent,'actualpath'=>$actualpath, 'webpath'=>$webpath];
$datajson=json_encode($datarr);
$dataenc=base64_encode($datajson);

$url='https://www.ttsservices.net/Decryptpgp3desFormBmobileNotHostedAPI2.php';
$datajson2 = array('thedata' => $dataenc);
$datajsonstr=json_encode($datajson2);

set_time_limit(0);
$ch = curl_init();
curl_setopt_array($ch, [
    CURLOPT_RETURNTRANSFER => 1,
    CURLOPT_URL => $url,
    CURLOPT_SSL_VERIFYPEER => false,
    CURLOPT_SSL_VERIFYHOST => false,
    CURLOPT_TIMEOUT => 1000000,
    CURLOPT_POSTFIELDS => $datajsonstr,
    CURLOPT_HTTPHEADER => ['Content-Type: application/json', 'Content-Length: ' . strlen($datajsonstr)]
]);

$result = curl_exec($ch);
curl_close($ch);
echo $result;
?>
```