

Progwhiz

Face Recognition Client

API

Using

Image Content

in

Base64

Content

Content	2
Introduction	3
Plugin Types Supported	4
Face Recognition using JSON encoding API	5
Sample in PHP	6

www.progwhiz.com

Introduction

The following document provides the specifications to be able to use the following API

- Register a face provided as base64 encoded image content
- Scan a face to compare with the database to find a match or not and return the profile meta data , such as Name or Tracker ID

This API permits three(3) functionalities

1. Register a face provided as base64 encoded image content
2. Request a face to be compared with the faces that are known and responds with a Ref#
3. Check the result of the Request using the returned Ref#.

Plugin Types Supported

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

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

*** Provided upon request**

WWW.PROGWHIZ.COM

Face Recognition using JSON encoding API

Server Details

Attribute	Value
API URL	https://www.progwhiz.com/facescanclientapi.php
Content-Type	application/json
Call Type	POST
Message Type	JSON of array of below parameters

Request Details

Parameter	Description	Required for which apitype
apitype	API type (Q – request to compare a face image to registered face images, S – Results of the face scan, R – To register a face)	Q, S, R
refno	Reference ID of request to check the result of the face scan	S
Imgencoded	Face image content as base 64 encoded	Q, R
apikey	API Key Click to Get	Q, S, R
campaign	Campaign or Company	Q, R
id	ID assigned to face	R
name	Name of person	R
stationid	Entrance ID = 1,2,.. (If electronic locks were installed and configured as part of the system)	Q, R

Response Details(JSON Encoded response string)

Response Array Elements	Type	Values	apitype
status	String	Success or Fail when apitype = R, P-Processing, C – Complete, E – Error when apitype = C	Q, S, R
errcode	string	0 – no error, ,1 – Credentials Error, 2 - Suspicious Data Error, 3 - Access Error, 5 – Service Offline	Q, S, R
statusmsg	String	See errcode description	Q, S
refno	String	Identifier to check the status of a face comparison request.	Q
result	Array	Key / Value pair array [{"name":Name, "id":ID} ID is Tracker ID Name is Name of the person	S
matchmax	Int	Max faces matched in "result" array	S

Sample in PHP

```
<?php
$apikey='eyJlbWFpbCI6ImluZm9AcHJvZ3doaXouY29tliwicGFzcyI6InhBOSNAZEU0In0=';
$pass='pass1234';
$apitype='R';
$refno='';
$stationid='1';
$id="12345678";
$name="Test name";
$campaign="Test Company";
$imgencoded=file_get_contents('https://www.progwhiz.com/qrimages/pwiz2.png');
$url = 'https://www.progwhiz.com/facescanclientapi.php';
$data = ["apitype" => $apitype, "refno" => $refno, "imgencoded" => $imgencoded, "apikey"=>$apikey, "pass"=>$pass,
"campaign"=>$campaign, "stationid"=>$stationid];
$datajsonstr=json_encode($data);
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);
$response=json_decode($result,true);
echo 'Status:'. $response['status'].'<BR>';
echo 'Status Message:'. $response['statusmsg'].'<BR>';
echo 'ErrorCode:'. $response['errcode'].'<BR>';
echo 'Ref#:'. $response['refno'].'<BR>';
?>
```