Progwhiz

QR Codes

API's

https://www.qrcodegenerators.net

Content

Introduction

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

- ➢ QR Code Creation HTTP Query API
- ➢ Add Logo to existing QR Code HTTP Query API
- ➢ QR Code Creation JSON encoding of parameters API
- ➢ Add Logo to existing QR Code JSON encoding of parameters API

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 Json API's only)
- ➢ JavaScript *****
- ➢ C# .Net *****

* Provided upon request

QR Code Creation HTTP Query API

Server Details

Attribute	Value
API URL	https://www.progwhiz.com/qrgenerator/qrcodeapi0.php
Content-Type	application/x-www-form-urlencoded
Call Type	POST
Message Type	HTTP Query of array of below parameters

Request Details

Parameter	Description
apikey	API Key Click to Get
content	QR Content
magnify	Size of logo to add, range from 0.1 to 1 scale default is 0.3
filename	QR filename prefix
qrcolor1	1st Colour in 24bit Hex format 00000 to FFFFFF
qrcolor2	2nd Colour in 24bit Hex format 00000 to FFFFFF
ltrans	0-opaque , 1 to 6 -translucent logo
pichold	0.1 to 0.9 , default 0.4
logopath	http path where logo is located, if empty no logo to embed
contrastoffset	0 default
cleanspace	Background for logo, 1 - clear background, 0 - use QR color2
greyscale	0 – use qrcolor1 & qrcolor2, 1 - change to greyscale

Response Details (JSON Encoded response string)

Response Array Elements	Type	Values
status	String	success or fail
response	String	I. URL to QR Code Image II. DataBase Error III. Access Denied IV. Invalid Parameters V. Suspicious Parameters
errcode	string	0 – no error, 1 – database error, ,2 – access denied, 3- Invalid parameters, 4- suspicious parameters
currentsessions	Integer	0, 1,2 .. N where N is a positive integer
expiry	String	1. Date 2. No Subscription Active

Example source code in PHP at Sample Code

Sample in PHP

```php
<?php
$apikey='eyJlbWFpbCI6InByb2d3aGl6QHlhaG9vLmNvbSIsInBhc3MiOiJnSjcjbUE1ISJ9';
$content='Test API'; // The information or link to store in the QR Code
$magnify=0.8; // range from 0.1 to 1 scale
$filename='Testapi'; // the prefix of the name of the QR File
$qrcolor1='FFFFFF';
$qrcolor2='000000';
$ltrans='1'; // 0-opaque , 1 to 6 -translucent logo
$pichold=0.4;// 0.1 to 0.9
$logopath='https://www.progwhiz.com/qrimages/pwiz2.png';// location of the logo to embed, if left blank no logo
will be placed
$contrastoffset=0;
$cleanspace='0';// 1 - clear background, 0 - use QR background
$greyscale=0;//1 change to greyscale


$url = 'https://www.progwhiz.com/qrgenerator/qrcodeapi0.php';
$data = ["apikey" => $apikey,"content" => $content,"magnify" => $magnify,"filename" => $filename,"qrcolor1" =>
$qrcolor1,"qrcolor2" => $qrcolor2,"ltrans" => $ltrans,"pichold" => $pichold,"logopath" =>
$logopath,"contrastoffset" => $contrastoffset, "cleanspace" => $cleanspace, "greyscale" => $greyscale];

$post=http_build_query($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 => $post,
  CURLOPT_HTTPHEADER => [
     "Content-Type: application/x-www-form-urlencoded"]
]);

$result = curl_exec($ch);
curl_close($ch);
$response=json_decode($result,true);
echo $response['response'];

?>
```

Add Logo to existing QR Code HTTP Query API

Server Details

Attribute	Value
API URL	https://www.progwhiz.com/qrgenerator/qrlogoapi0.php
Content-Type	application/x-www-form-urlencoded
Call Type	POST
Message Type	HTTP Query of array of below parameters

Request Details

Parameter	Description
apikey	API Key Click to Get
qrpath	Htpp path of existing QR Code
magnify	Size of logo to add, range from 0.1 to 1 scale default is 0.3
filename	QR filename prefix
imageposx	X coord to place Logo (range 0 to 10)
imageposy	Y coord to place Logo (range 0 to 10)
decaccuracy	Redundancy (0 to 3) default is 3
lumfactor	Luminosity (0,1)
ltrans	0-opaque , 1 to 6 -translucent logo
pichold	0.1 to 0.9 , default 0.4
logopath	http path where logo is located
contrastoffset	0 default
cleanspace	Background for logo, 1 - clear background, 0 - use QR color2
greyscale	0 – use qrcolor1 & qrcolor2, 1 - change to greyscale

Response Details (JSON Encoded response string)

Response Array Elements	Type	Values
status	String	success or fail
response	String	I. URL to QR Code Image II. Access Denied III. Invalid Parameters IV. Suspicious Parameters
errcode	string	0 – no error, 2 – access denied, 3- Invalid parameters, 4- suspicious parameters
currentsessions	Integer	0, 1,2 .. N where N is a positive integer
expiry	String	1. Date 2. No Subscription Active

Example source code in PHP at Sample Code

Sample in PHP

```php
<?php
$apikey='eyJlbWFpbCI6InByb2d3aGl6QHlhaG9vLmNvbSIsInBhc3MiOiJnSjcjbUE1ISJ9';
$magnify=0.8; // range from 0.1 to 1 scale
$qrpath='https://www.progwhiz.com/qrimages/pwiz1.png'; // the name of the QR File
$ltrans='1'; // 0-opaque , 1 to 6 -translucent logo
$pichold=0.4;// 0.1 to 0.9
$logopath='https://www.progwhiz.com/qrimages/pwiz2.png';// location of the logo to embed, if left blank no logo
will be placed
$imageposx=5;//values = 0 to 10
$imageposy=5;//values = 0 to 10
$decaccuracy=3;
$contrastoffset=0; // 0 to 50 reduces the contrast larger the offset
$lumfactor=1; //0,1
$cleanspace='0';// 1 - clear background, 0 - use QR background
$spacecolour='FFFFFF';//Background Colour in RGB Hex
$url = 'https://www.progwhiz.com/qrgenerator/qrlogoapi0.php';//Generate the QR File with new Logo Embedded
and return the path to the QR File in PNG format
$greyscale=0;//1 change to greyscale

$data = array('apikey' => $apikey,'magnify' => $magnify,'qrpath' => $qrpath,'ltrans' => $ltrans,'pichold' =>
$pichold,'logopath' => $logopath,'imagposx' => $imageposx,'imagposy' => $imageposy,
'decaccuracy'=>$decaccuracy, 'contrastoffset' => $contrastoffset, 'lumfactor' => $lumfactor, 'cleanspace' =>
$cleanspace, 'spacecolour' => $spacecolour, 'greyscale' => $greyscale);

$post=http_build_query($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 => $post,
  CURLOPT_HTTPHEADER => [
    "Content-Type: application/x-www-form-urlencoded"]
]);
$result = curl_exec($ch);
curl_close($ch);
$response=json_decode($result,true);
echo $response['response'];
?>
```

QR Code Creation using JSON encoding API

Server Details

Attribute	Value
API URL	https://www.progwhiz.com/qrgenerator/qrcreatepostjsons0.php
Content-Type	application/json
Call Type	POST
Message Type	JSON of array of below parameters

Request Details

Parameter	Description
apikey	API Key Click to Get
content	QR Content
magnify	Size of logo to add, range from 0.1 to 1 scale default is 0.3
filename	QR filename prefix
qrcolor1	1st Colour in 24bit Hex format 00000 to FFFFFF
qrcolor2	2nd Colour in 24bit Hex format 00000 to FFFFFF
ltrans	0-opaque , 1 to 6 -translucent logo
pichold	0.1 to 0.9 , default 0.4
logopath	http path where logo is located
contrastoffset	0 default
cleanspace	Background for logo, 1 - clear background, 0 - use QR color2
greyscale	0 – use qrcolor1 & qrcolor2, 1 - change to greyscale

Response Details(JSON Encoded response string)

Response Array Elements	Type	Values
status	String	success or fail
response	String	I. URL to QR Code Image II. DataBase Error III. Access Denied IV. Invalid Parameters V. Suspicious Parameters
errcode	string	0 – no error, 1 – database error, ,2 – access denied, 3- Invalid parameters, 4- suspicious parameters
currentsessions	Integer	0, 1,2 .. N where N is a positive integer
expiry	String	1. Date 2. No Subscription Active

Example source code in PHP at Sample Code

Sample in PHP

```php
<?php
$apikey='eyJlbWFpbCI6InByb2d3aGl6QHlhaG9vLmNvbSIsInBhc3MiOiJnSjcjbUE1ISJ9';
$content='Test API'; // The information or link to store in the QR Code
$magnify=0.8; // range from 0.1 to 1 scale
$filename='Testapi'; // the prefix of the name of the QR File
$qrcolor1='FFFFFF';
$qrcolor2='000000';
$ltrans='1'; // 0-opaque , 1 to 6 -translucent logo
$pichold=0.4;// 0.1 to 0.9
$logopath='https://www.progwhiz.com/qrimages/pwiz2.png';// location of the logo to embed, if left blank no logo
will be placed
$contastoffset=0;
$cleanspace='0';// 1 - clear background, 0 - use QR background
$greyscale=0;//1 change to greyscale


$url = 'https://www.progwhiz.com/qrgenerator/qrcreatepostjsons0.php';
$data = ["apikey" => $apikey,"content" => $content,"magnify" => $magnify,"filename" => $filename,"qrcolor1" =>
$qrcolor1,"qrcolor2" => $qrcolor2,"ltrans" => $ltrans,"pichold" => $pichold,"logopath" =>
$logopath,"contastoffset" => $contastoffset, "cleanspace" => $cleanspace, "greyscale" => $greyscale];

$datajsonstr=json_encode($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 $response['response'];
?>
```

Sample in Java

Download Executable at :

Command Line example:

```
java -jar QRRequestLauncher.jar 1 "eyJlbWFpbCI6InByb2d3aGl6QHlhaG9vLmNvbSIsInBhc3MiOiJnSjcjbUE1ISJ9"
" "Test API" "0.8" TestApi "FFFFFF" "000000" 1 "0.4" "https://www.progwhiz.com/qrimages/pwiz2.png"
0 0 0
```

Add Logo to existing QR Code using JSON encoding API

Server Details

Attribute	Value
API URL	https://www.progwhiz.com/qrgenerator/qrlogocreatepospostjsons0.php
Content-Type	application/json
Call Type	POST
Message Type	JSON of array of below parameters

Request Details

Parameter	Description
apikey	API Key Click to Get
qrpath	Htpp path of existing QR Code
magnify	Size of logo to add, range from 0.1 to 1 scale default is 0.3
filename	QR filename prefix
imageposx	X coord to place Logo (range 0 to 10)
imageposy	Y coord to place Logo (range 0 to 10)
decaccuracy	Redundancy (0 to 3) default is 3
lumfactor	Luminosity (0,1)
ltrans	0-opaque , 1 to 6 -translucent logo
pichold	0.1 to 0.9 , default 0.4
logopath	http path where logo is located
contrastoffset	0 default
cleanspace	Background for logo, 1 - clear background, 0 - use QR color2
greyscale	0 – use qrcolor1 & qrcolor2, 1 - change to greyscale

Response Details(JSON Encoded response string)

Response Array Elements	Type	Values
status	String	success or fail
response	String	I. URL to QR Code Image II. 2 - Access Denied III. 3 - Invalid Parameters IV. 4 - Suspicious Parameters
errcode	string	0 – no error, ,2 – access denied, 3- Invalid parameters, 4- suspicious parameters
currentsessions	Integer	0, 1,2 .. N where N is a positive integer
expiry	String	1. Date 2. No Subscription Active

Example source code in PHP at Sample Code

Sample in PHP

```php
<?php
$apikey='eyJlbWFpbCI6InByb2d3aGl6QHlhaG9vLmNvbSIsInBhc3MiOiJnScjbUE1ISJ9';
$magnify=0.8; // range from 0.1 to 1 scale
$qrpath='https://www.progwhiz.com/qrimages/pwiz1.png'; // the name of the QR File
$ltrans='1'; // 0-opaque , 1 to 6 -translucent logo
$pichold=0.4;// 0.1 to 0.9
$logopath='https://www.progwhiz.com/qrimages/pwiz2.png';// location of the logo to embed, if left blank no logo will be
placed
$imageposx=5;//values = 0 to 10
$imageposy=5;//values = 0 to 10
$decaccuracy=3;
$contrastoffset=0; // 0 to 50 reduces the contrast larger the offset
$lumfactor=1; //0,1
$cleanspace='0';// 1 - clear background, 0 - use QR background
$spacecolour='FFFFFF';//Background Colour in RGB Hex
$url = 'https://www.progwhiz.com/qrgenerator/qrlogocreatepospostjsons0.php';//Generate the QR File with new Logo
Embedded and return the path to the QR File in PNG format
$greyscale=0;//1 change to greyscale

$data = array('apikey' => $apikey,'magnify' => $magnify,'qrpath' => $qrpath,'ltrans' => $ltrans,'pichold' => $pichold,'logopath'
=> $logopath,'imageposx' => $imageposx,'imageposy' => $imageposy, 'decaccuracy'=>$decaccuracy, 'contrastoffset' =>
$contrastoffset, 'lumfactor' => $lumfactor, 'cleanspace' => $cleanspace, 'spacecolour' => $spacecolour, 'greyscale' =>
$greyscale);

$datajsonstr=json_encode($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 $response['response'];
?>
```

Sample in Java

Download Executable at :

Command Line example:

```
java -jar QRRequestLauncher.jar 2 "eyJlbWFpbCI6InByb2d3aGl6QHlhaG9vLmNvbSIsInBhc3MiOiJnSjcjbUE1ISJ9"
" "https://www.progwhiz.com/qrimages/pwiz1.png" "0.8" 5 5 3 1 1 "0.4"
"https://www.progwhiz.com/qrimages/pwiz2.png" 0 0 "FFFFFF" 0
```