



PUSH WEB SERVER HTTP GATEWAY

Version 1.0

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Introduction

The http server platform allows users to create a campaign to send web PUSH messages via this platform. To access your statistics and invoicing details, please go to <https://www.360nrs.com> and enter your user details.

Communication with the client will not be via any API provided by the company, as it will simply be HTTP communication, with some parameters to the indicated URL.

This process is detailed below.

Technical platform

Each request made must include client authorisation in the header of the HTTP request. This will use basic HTTP access authentication.

The authorisation header is constructed by combining the "username: password" into a string and encoding it in Base64. This string is prefixed by the "Authorisation:Basic" string.

For example, for the user "miuser" and the password "mipass", the resulting header would be:

Authorization: Basic bWl1c2VyOm1pcGFzcm==

Detailed below are the available sending options, the URL that should be called, and the parameters supported.

Request to create PUSH WEB campaign

URL

<https://dashboard.360nrs.com/api/rest/web-push>

Method

POST

Parameters

Mandatory

name (string)

Campaign name

type (string)

Campaign type. Options:

- basic

groups (array)

Identifiers of the contact groups of the 360nrs platform to which you want to send the PUSH app campaign.

webs (array)

Identifiers of the websites registered on the 360nrs platform to which you want to send the PUSH app campaign.

notification (*object*)

Composition details of the PUSH message for different operating systems.

- Mandatory:
 - title (*string*) (*maximum 30 characters*)
 - text (*string*) (*maximum 100 characters*)
 - url (*string*)
- Optional:
 - icon (*string*)
 - image (*string*)

Optional

schedule (*object*)

Object with the send time at a future date:

date (*string*)

Send date with the format 'YYYY-mm-dd HH:ii:ss' (*MySQL*).

timezone (*string*)

Time zone to consider for send time.

e.g. "Europe/Madrid".

batch (*object*)

Object with the configuration of how many parts to be used and how often to send (*in minutes*).

parts (*integer*)

Number of parts into which you want to divide the batch.

minutes (*integer*)

How often (*in minutes*) from the start date you want to send the parts of the batch.

tags (*array of strings*)

Array of tags that you want to apply to the campaign.

e.g.

['blackfriday', 'sales']

Example of request *PHP*

```
<?php

$post["name"] = "Campaign Name";
$post["type"] = "basic";
$post["groups"] = [2365];
$post["webs"] = [356];
$post["notification"] = [
    "title" => "title",
    "text" => "subtitle",
    "url" => "https://www.android.com",
    "icon" => "https://dashboard.360nrs.com/assets/img/logo.png",
    "image" => "https://www.w3schools.com/w3css/img_lights.jpg"
];

$user = "miuser";
$password = "mipass";

try {
    $ch = curl_init();
    curl_setopt($ch, CURLOPT_URL, "https://dashboard.360nrs.com/api/rest/web-push");
    ;
    curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);
    curl_setopt($ch, CURLOPT_POST, 1);
    curl_setopt($ch, CURLOPT_SSL_VERIFYHOST, 0);
    curl_setopt($ch, CURLOPT_SSL_VERIFYPEER, 0);
    curl_setopt($ch, CURLOPT_POSTFIELDS, json_encode($post));
    curl_setopt($ch, CURLOPT_HTTPHEADER, array(
        "Accept: application/json",
        "Content-type: application/json",
        "Authorization: Basic " . base64_encode($user . ":" .
$password));
    $result = curl_exec($ch);
    var_dump($result);
} catch (Exception $exc) {
    echo $exc->getTraceAsString();
}
```

Example of request *PYTHON*

```
import base64
import json
import pycurl

if __name__ == "__main__":

    url = "https://dashboard.360nrs.com/api/rest/web-push"
    usrPass = "miuser:mipass"

    data = json.dumps({
        "name": "Campaign Name",
        "type": "basic",
        "groups": [
            2365
        ],
        "webs": [
            356
        ],
        "notification": {
            "title": "title",
            "text": "subtitle",
            "url": "https://www.android.com",
            "icon":
"https://dashboard.360nrs.com/assets/img/logo.png",
            "image": "https://www.w3schools.com/w3css/img_lights.jpg"
        }
    })

    b64Val = base64.b64encode(usrPass)
    headers = [
        "Content-type: application/json",
        "Authorization: Basic %s" % b64Val]

    c = pycurl.Curl()
    c.setopt(pycurl.URL, url)
    c.setopt(pycurl.HTTPHEADER, headers)
    c.setopt(pycurl.POST, 1)
    c.setopt(pycurl.POSTFIELDS, data)
    c.setopt(pycurl.SSL_VERIFYHOST, 0)
    c.setopt(pycurl.SSL_VERIFYPEER, 0)
    c.perform()

    http_code = c.getinfo(pycurl.HTTP_CODE)
    print(http_code)
```

Example of request JAVA

```
import java.io.BufferedReader;
import java.io.DataOutputStream;
import java.io.IOException;
import java.io.InputStreamReader;
import java.net.URL;
import javax.net.ssl.HttpURLConnection;
import org.json.simple.JSONArray;
import org.json.simple.JSONObject;

public class ApiPushWeb {

    public static void main(String args[]) throws IOException {
        String url = "https://dashboard.360nrs.com/api/rest/web-push";
        URL obj = new URL(url);
        HttpURLConnection con = (HttpURLConnection) obj.openConnection();

        con.setRequestMethod("POST");
        String userpass = "miuser" + ":" + "mipass";
        String basicAuth = "Basic " +
javax.xml.bind.DatatypeConverter.printBase64Binary(userpass.getBytes("UTF-8"))
);
        con.setRequestProperty("Authorization", basicAuth);
        con.setRequestProperty("Content-type", "application/json");

        JSONObject data = new JSONObject();
        JSONArray groups = new JSONArray();
        JSONArray webs = new JSONArray();
        JSONObject notification = new JSONObject();

        data.put("name", "Campaign Name");
        data.put("type", "basic");

        groups.add(2365);
        data.put("groups", groups);

        webs.add(356);
        data.put("webs", webs);

        notification.put("title", "title");
        notification.put("text", "subtitle");
        notification.put("url", "https://www.android.com");
        notification.put("icon",
"https://www.w3schools.com/w3css/img_lights.jpg");
        notification.put("image",
"https://www.w3schools.com/w3css/img_lights.jpg");
        data.put("notification", notification);

        String jsonText = data.toJSONString();
```



```

        con.setDoOutput(true);
        DataOutputStream wr = new DataOutputStream(con.getOutputStream());
        wr.writeBytes(jsonText);
        wr.flush();
        wr.close();

        BufferedReader in = new BufferedReader(
            new InputStreamReader(con.getInputStream()));
        String inputLine;
        StringBuffer response = new StringBuffer();

        while ((inputLine = in.readLine()) != null) {
            response.append(inputLine);
        }
        in.close();

        System.out.println(response.toString());
    }
}

```

Example of request C#

```

using Newtonsoft.Json;
using System;
using System.IO;
using System.Net;

namespace nrs_api
{
    class Program
    {
        static void Main(string[] args)
        {
            var httpWebRequest =
                (HttpWebRequest)WebRequest.Create("https://dashboard.360nrs.com/api/rest/web-
                push");
            httpWebRequest.Method = "POST";
            httpWebRequest.ContentType = "application/json";
            String username = "miuser";
            String password = "mipass";
            String encoded =
                System.Convert.ToBase64String(System.Text.Encoding.GetEncoding("ISO-8859-1").
                GetBytes(username + ":" + password));
            httpWebRequest.Headers.Add("Authorization", "Basic " + encoded);
        }
    }
}

```

```

        using (var streamWriter = new
StreamWriter(httpWebRequest.GetRequestStream()))
        {

            var name = "Campaign Name";
            var type = "basic";
            string[] groups = new string[1];
            groups[0] = "2365";
            string[] webs = new string[1];
            webs[0] = "356";

            var notification = new
            {
                title = "title",
                text = "subtitle",
                url = "https://www.android.com",
                icon = "https://dashboard.360nrs.com/assets/img/logo.png",
                image = "https://www.w3schools.com/w3css/img_lights.jpg",

            };

            var data = new
            {
                name = name,
                type = type,
                groups = groups,
                webs = webs,
                notification = notification

            };
            string json = JsonConvert.SerializeObject(data);

            streamWriter.Write(json);
            streamWriter.Flush();
            streamWriter.Close();
        }

        var httpResponse = (HttpWebResponse)httpWebRequest.GetResponse();
        using (var streamReader = new
StreamReader(httpResponse.GetResponseStream()))
        {
            var result = streamReader.ReadToEnd();
            Console.WriteLine(result);
            Console.ReadKey();
        }

```

```
}  
}
```

```
}  
}
```

Responses

201 Successful request. Campaign created.

422 Error in parameters.

Specifying which parameter or parameters have failed in the response.

400 Error creating campaign.