



MAILING SERVER HTTP GATEWAY

Version 1.7

This API provides access to all the features of 360nrs using JSON.

LATEST CHANGES

Version 1.4 18/09/2017 Added list, update and delete scheduled deliveries functions
Error correction

Version 1.5 07/11/2017 Added *campaignName* and *tags parameters*

Version 1.6 16/04/2018 Python, Java and C # examples added

Version 1.7 04/01/2019 Added *templateId* parameter

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INTRODUCTION

The HTTP server platform allows users to send messages. To access your statistics and invoicing details, please go to <https://www.360nrs.com> and enter your user data.

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

Before being able to make a sending through the API platform the sender's email address to be used in the sending must be validated. To do this, access the user dashboard "Tools" > "Email verification" and follow the steps given by the verification wizard.

Each request 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 chain is prefixed by the "Authorisation: Basic" chain.

For example, for the username "myuser" and password "mypass", the resulting header would be: Authorisation: Basic bXI1c2VyOiBteXBhc3M=

The available configuration options, the URL that should be called, and the parameters supported will be detailed below.

REQUEST TO SEND EMAIL

URL: <https://dashboard.360nrs.com/api/rest/mailing>

METHOD: **POST**

PARAMETERS

Parameter	Type	Mandatory	Description
body	string	No	Email body in HTML format and UTF-8 encoding. Required without <i>templateId</i>
templateId	integer	No	Template ID to send as the body of the email. Required without <i>body</i>
to	array	Yes	email addresses of the sending consignees. This field allows you to specify multiple recipients.
fromEmail	string	Yes	Sender email The indicated email address must be validated on the 360NRS platform.
subject	string	Yes	Brief summary of the subject of the message.
fromName	string	No	Name of sender of the sending.
replyTo	string	Yes	Address for responding to the message.
scheduleDate	string	No	Date message sent in UTC format. If you need to send scheduled messages, the send date can be specified by indicating the date in the following format YYYYMMDDHHIISS (e.g. 20130215142000 would be 15 February 2013 at 14:20:00). For immediate mailings, this parameter does not have to be specified.
campaignName	string	No	Campaign name. If specified, a campaign will be created with the name indicated in the dashboard and which will contain the mailing statistics. If a campaign with this name already exists, the delivery statistics will be added to the existing campaign.
tags	array	No	<i>campaignName</i> is required if this parameter is specified. List of

			<i>tags to add to the campaign. The tags can be used to filter the statistics in the dashboard.</i>
--	--	--	---

EXAMPLE OF BASIC REQUEST

```
{"body":"Test api", "to":["myemail@example.com"], "subject":"HELLO", "fromEmail":
"info@servi-mail.com"}
```

Note: To generate an unsubscribe URL you must add: [unsubscribe_link] inside the href of a link in the "body" parameter. For example: Link

EXAMPLE OF CURL REQUEST

```
curl -X POST -H "Content-Type: application/json" -H "Accept: application/json" -H "Authorization: Basic
bWl1c2VyOm1pcGFzcw==" -d "{\"body\":\"Test api\", \"to\":[\"myemail@example.com\"],
\"subject\":\"HELLO\", \"fromEmail\": \"info@servi-mail.com\"}"
https://dashboard.360nrs.com/api/rest/mailing
```

EXAMPLE OF PHP REQUEST

```
<?php
$post["to"]          = array("myemail@example.com");
$post["body"]       = "Test api";
$post["subject"]    = "HELLO";
$post["fromEmail"]  = "info@servi-mail.com";
$post["replyTo"]    = "info@gmail.com";
$user               = "miuser";
$password           = "mipass";

try {
    $ch = curl_init();

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



EXAMPLE OF PYTHON REQUEST

```
import pycurl
import base64
import json

if __name__ == "__main__":
    url = "https://dashboard.360nrs.com/api/rest/mailing"
    usrPass = "miuser:mipass"

    data=json.dumps({\
        "to":["myemail@example.com"],
        "fromEmail":"info@servi-mail.com",
        "subject":"HELLO",
        "body":"Test Api",
        "campaignName":"Campaign Name",
        "replyTo":"info@gmail.com"})

    b64Val = base64.b64encode(usrPass)
    headers=["Accept: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 JAVA REQUEST

```
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 ApiMail {

    public static void main(String args[]) throws IOException {
        String url = "https://dashboard.360nrs.com/api/rest/mailing";
        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("Accept", "application/json");

JSONObject data = new JSONObject();
JSONArray to = new JSONArray();
to.add("myemail@example.com");
data.put("to", to);
data.put("fromEmail", "info@servi-mail.com");
data.put("subject", "HELLO");
data.put("body", "Test Api");
data.put("campaignName", "Campaign Name");
data.put("replyTo", "info@gmail.com");
String jsonText = data.toJSONString();
con.setDoOutput(true);
try (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 C# REQUEST

```
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/mailing")
;
            httpWebRequest.Method = "POST";
            httpWebRequest.Accept = "application/json";
            String username = "miuser";
            String password = "mipass";
            String encoded =
System.Convert.ToBase64String(System.Text.Encoding.GetEncoding("ISO-8859-1").GetBy
tes(username + ":" + password));
            httpWebRequest.Headers.Add("Authorization", "Basic " + encoded);

            using (var streamWriter = new
StreamWriter(httpWebRequest.GetRequestStream()))
            {
                string[] to = new string[1];
                to[0] = "myemail@example.com";
                var fromEmail = "info@servi-mail.com";
                var subject = "HELLO";
                var body = "Test Api";
                var campaignName = "campaign Name";
                var replyTo = "info@gmail.com";

                var data = new
                {
                    to = to,
                    fromEmail = fromEmail,
                    subject = subject,
                    body = body,
                    campaignName = campaignName,
                    replyTo = replyTo
                };

                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();
        }
    }
}
}
}

```

The access code (password) and client code (username) will be provided by the company. It should be noted that in order to increase the security of the system, the client must indicate the IP from which they are going to connect, as only requests/responses from the IP indicated by the client will be allowed.

EXAMPLES OF RESPONSES

CODE STATE 202 (ACCEPTED):

```
[{"accepted":true,"to":"myemail@example.com","id":"102648819"}]
```

CODE STATE 207 (MULTI-STATUS):

```
[{"accepted":true,"to":"myemail@example.com","id":"102648820"},{"accepted":false,
"to":"invalidemail.com","error":{"code":102,"description":"No valid recipients"}}]
```

MANAGING SCHEDULED MESSAGES

LIST

Lists all scheduled mailings. Can be filtered by type (SMS or MAILING) and can specify one GUID, multiple GUIDs or no GUIDs (to list all).

The content of the message is not shown in the list, unless a single GUID is specified.

URL: <https://dashboard.360nrs.com/api/rest/scheduled>

METHOD: **GET**

PARAMETERS

Parameter	Type	Mandatory	Description
guid	integer, array	No	Identifier of message or messages. One identifier, an array of identifiers or no identifiers can be used to show all.
type	string	No	SMS or MAILING

EXAMPLES OF REQUESTS

<https://dashboard.360nrs.com/api/rest/scheduled>

<https://dashboard.360nrs.com/api/rest/scheduled?guid=100>

<https://dashboard.360nrs.com/api/rest/scheduled?guid=100,101,102>

<https://dashboard.360nrs.com/api/rest/scheduled?type=MAILING>

<https://dashboard.360nrs.com/api/rest/scheduled?guid=100&type=MAILING>

EXAMPLES OF RESPONSES

With several GUIDs or without GUID:

```
{"result":[  
{"guid":"100","type":"MAILING","created_at":"2017-09-18 10:49:12","updated_at":"2017-09-18 10:49:12","scheduled_at":"2017-11-11 10:10:10"},  
{"guid":"101","type":"MAILING","created_at":"2017-09-18 10:49:12","updated_at":"2017-09-18 10:49:12","scheduled_at":"2017-11-11 10:10:10"},  
{"guid":"102","type":"SMS","created_at":"2017-09-18 10:49:12","updated_at":"2017-09-18 10:49:12","scheduled_at":"2017-11-11 10:10:10"}  
],"total":3}
```

Specifying a single GUID:

```
{"result":{"guid":"100","type":"MAILING","content":"Contenido del EMAIL","created_at":"2017-09-18 10:49:12","updated_at":"2017-09-18 10:49:12","scheduled_at":"2017-11-11 10:10:10"},"total":1}
```

UPDATING

Update the scheduled date of a mailing, multiple mailings or all scheduled mailings.

Can be filtered by GUID and/or type.

BEWARE: If no GUID is specified, all scheduled messages will be updated.

URL: <https://dashboard.360nrs.com/api/rest/scheduled>

METHOD: **PUT**

PARAMETERS

Parameter	Type	Mandatory	Description
guid	integer, array	No	Identifier of message or messages. One identifier, an array of identifiers or no identifiers can be used to show all.
type	string	No	SMS or MAILING
scheduleDate	string	Si	Date message sent in UTC format. If you need to send scheduled messages, the delivery date can be specified by indicating the date in the following format YYYYMMDDHHSS (e.g. 20130215142000 would be 15 February 2013 at 14:20:00). For immediate mailings, this parameter does not have to be specified.

EXAMPLES OF REQUESTS

```
{"guid": 100, "scheduleDate": "20171011093000"}
```

```
{"guid": [100,101], "scheduleDate": "20171011093000"}
```

```
{"type": "MAILING", "scheduleDate": "20171011093000"}
```

```
{"scheduleDate": "20171011093000"}
```

EXAMPLES OF RESPONSES

```
{"result":true,"updated":1}
```

```
{"result":true,"updated":2}
```

DELETE

Deletes a mailing, multiple mailings or all scheduled mailings.

Can be filtered by GUID and/or type.

BEWARE: If no GUID is specified, all scheduled messages will be deleted.

URL: <https://dashboard.360nrs.com/api/rest/scheduled>

METHOD: **DELETE**

PARAMETERS

Parameter	Type	Mandatory	Description
guid	integer, array	No	Identifier of message or messages. One identifier, an array of identifiers or no identifiers can be used to show all.
type	string	No	SMS or MAILING

EXAMPLES OF REQUESTS

```
{"guid": 100}
```

```
{"guid": [100,101]}
```

```
{"type": "MAILING"}
```

EXAMPLES OF RESPONSES

```
{"result":true,"deleted":1}
```

```
{"result":true,"deleted":2}
```

CÓDIGOS DE RESPUESTA

CÓDIGO ESTADO 400 (BAD REQUEST):

```
{"error":{"code":102,"description":"No valid recipients"}}
{"error":{"code":104,"description":"Text message missing"}}
{"error":{"code":105,"description":"Text message too long"}}
{"error":{"code":106,"description":"Sender missing"}}
{"error":{"code":107,"description":"Sender too long"}}
{"error":{"code":108,"description":"No valid Datetime for send"}}
{"error":{"code":109,"description":"Notification URL incorrect"}}
{"error":{"code":110,"description":"Exceeded maximum parts allowed or incorrect number of parts"}}
{"error":{"code":113,"description":"Invalid coding"}}
{"error":{"code":120,"description":"Invalid GUID"}}
{"error":{"code":121,"description":"Invalid scheduled date"}}
```

CÓDIGO ESTADO 401 (UNAUTHORIZED):

```
{"error":{"code":103,"description":"Username or password unknown"}}
{"error":{"code":111,"description":"Not enough credits"}}
```

CÓDIGO ESTADO 402 (PAYMENT REQUIRED):

```
{"error":{"code":111,"description":"Not enough credits"}}
```

CÓDIGO ESTADO 500 (INTERNAL SERVER ERROR):

```
{"error":{"code":122,"description":"Update error"}}
{"error":{"code":123,"description":"Delete error"}}
```