

# **SMM WEB SERVICE**

## DROPOFF LOCATOR API

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## Document purpose

This document briefly describes how to interact with SMM Drop-off locator API. Also are described the operations (i.e. methods) that are exposed and response messages

## API description

The API offers methods that returns JSON information about drop off locations. The available country list is:

- Germany (DE)
- France (FR)
- Spain (ES)
- Italy (IT)

The arguments lists are the following:

Locator	Geocator
<ul style="list-style-type: none"><li>• Country (mandatory)</li><li>• PostalCode (mandatory)</li><li>• Dropoff type (optional)</li><li>• Carrier (optional)</li><li>• City (optional)</li><li>• Address (optional)</li></ul>	<ul style="list-style-type: none"><li>• Dropoff type (optional)</li><li>• Carrier (optional)</li><li>• Latitude (mandatory)</li><li>• Longitude (mandatory)</li><li>• Radius (optional)</li><li>• Limit (optional)</li></ul>

To be able to use the dropoff locator services a valid token is needed.

Every data passed and received with the web-service is based on headers values and JSON strings and everything need to be passed with POST method.

## Generate Token

This function allows with valid credentials (http basic authorization) to gain a valid token usable with the other operations.

To be able to use the web service is mandatory to add some headers in the call; in the generate Token the headers are:

- Accept: application/json
- Authorization: Basic (USERNAME:PASSWORD base 64 encoded)
- forcenew: true (default false)

If forcenew is set to true the token will be regenerated otherwise the service return the active one if exists.

The URL is: <https://ws3.sanmarinomail.it/SmmWs3/token>

curl example :

```
curl -H "Accept: application/json" -H "Authorization: Basic YWxhZGRpbjpwvcGVuc2VzYW1l" -H "forcenew: false" -X POST https://ws3.sanmarinomail.it/SmmWs3/token
```

Response examples:

Error:

```
{
  "errorDescription": "Username or Password Not Valid",
  "errorCode": 3001,
  "status": -1
}
```

Success:

```
{
  "token": "{token}d87bb9c6-25fa-4035-ae90-c515554f3cf2",
  "status": 0
}
```

A successful response must return a status field = 0;

The token obtained is valid for 24 hours.

## Dropoff locator API

### Locate Method:

To be able to use the web service is mandatory to add some headers in the call; these headers are:

- Accept: application/json
- username: testusername
- token: {token}TEST-TOKEN-a0a2-47b0-b1ab-923d2ec4b8ce

If any of the listed mandatory headers is missing an error will be sent.

Here's a list of all arguments (to be passed in the json onbject ):

	NAME	DESCRIPTION	TYPE	MAX LENGTH	MANDATORY
1	Country	Country	T	2	Y
2	PostalCode	PostalCode	T	10	Y
3	Type	Dropoff type Available options: shop/postoffice/locker Multiple option can be used by separating multiple values by comma	T	50	N
4	Carrier	Carrier code Available options: PDB, BRT, MR, INPOST, GLS Multiple option can be used by separating multiple values by comma	T	100	N
5	City	Address city	T	50	N
6	Address	Address	T	50	N

Here is a JSON request example:

```
{
  "Country": "IT",
  "PostalCode": "20125"
}
```

The URL is: <https://ws3.sanmarinomail.it/SmmDropoffLocator/locate>

curl example :

```
curl -H "Accept: application/json" -H "token: ddddddddddddddddddddddd" -H "username: testuser" -d '{ "Country": "IT", "PostalCode": "20125" }' -X POST https://ws3.sanmarinomail.it/SmmDropoffLocator/locate
```

response examples (array of objects.):

```
[
  {
    "country": "IT",
    "carrierLabel": "Poste Italiane",
    "address": "VIALE DELLE RIMEMBRANZE DI GRECO 39, 20125 MILANO IT",
    "latitude": 45.49966390,
    "timeSlots": {
```

```

        "sunday": "CLOSED",
        "saturday": "06:00-20:00",
        "tuesday": "06:00-20:00",
        "wednesday": "06:00-20:00",
        "thursday": "06:00-20:00",
        "friday": "06:00-20:00",
        "monday": "06:00-20:00"
    },
    "type": "shop",
    "carrier": "PDB",
    "addressDetail": {
        "zipcode": "20125",
        "country": "IT",
        "address": "VIALE DELLE RIMEMBRANZE DI GRECO 39",
        "city": "MILANO"
    },
    "nameExtended": "shop | Punto Poste Greco 39",
    "name": "Punto Poste Greco 39",
    "id": "IT-PDB-RTZ-ZMIGR",
    "detail": "monday: 06:00-20:00, tuesday: 06:00-20:00, wednesday:
06:00-20:00, thursday: 06:00-20:00, friday: 06:00-20:00, saturday: 06:00-20:00,
sunday: CLOSED",
    "longitude": 9.211740843
},
{
    "country": "IT",
    "carrierLabel": "Poste Italiane",
    "address": "VIALE MONZA 173, 20125 MILANO IT",
    "latitude": 45.50285517,
    "timeSlots": {
        "sunday": "CLOSED",
        "saturday": "07:30-19:30",
        "tuesday": "07:30-19:30",
        "wednesday": "07:30-19:30",
        "thursday": "07:30-19:30",
        "friday": "07:30-19:30",
        "monday": "07:30-19:30"
    },
    "type": "shop",
    "carrier": "PDB",
    "addressDetail": {
        "zipcode": "20125",
        "country": "IT",
        "address": "VIALE MONZA 173",
        "city": "MILANO"
    },
    "nameExtended": "shop | Punto Poste TABACCHERIA N. 1081",
    "name": "Punto Poste TABACCHERIA N. 1081",
    "id": "IT-PDB-RTZ-ZL227",
    "detail": "monday: 07:30-19:30, tuesday: 07:30-19:30, wednesday:
07:30-19:30, thursday: 07:30-19:30, friday: 07:30-19:30, saturday: 07:30-19:30,
sunday: CLOSED",
    "longitude": 9.22160964
},
{...}
]

```

The id field is the information that needs to be used in the "DROPOFF\_ID" field when requesting a dropoff label in the SMM web service.

Geolocate Method:

To be able to use the web service is mandatory to add some headers in the call; these headers are:

- Accept: application/json
- username: testusername
- token: {token}TEST-TOKEN-a0a2-47b0-b1ab-923d2ec4b8ce

If any of the listed mandatory headers is missing an error will be sent.

Here's a list of all arguments (to be passed in the json onbject ):

	NAME	DESCRIPTION	TYPE	MAX LENGTH	MANDATORY
1	Type	Dropoff type Available options: shop/postoffice/locker Multiple option can be used by separating multiple values by comma	T	50	N
2	Carrier	Carrier code Available options: PDB, BRT, MR, INPOST, GLS Multiple option can be used by separating multiple values by comma	T	100	N
3	Latitude	Latitude of the requested location	N		Y
4	Longitude	Longitude of the requested location	N		Y
5	Radius	Radius (in Km) for the distance from the location. (if not present, a default of 5 Km is taken; Maximum value is 100)	N		N
6	Limit	If set limit the number of pudo location in response; if not set all the pudo in the radius will be returned.	N		N

Here is a JSON request example:

```
{
  "Latitude": 45.49966390, "Longitude": 9.211740843, "Radius": 1.1 ,
  "Limit": 2
}
```

The URL is: <https://ws3.sanmarinomail.it/SmmDropoffLocator/geolocate>

curl example :

```
curl -H "Accept: application/json" -H "token: ddddddddddddddddddddddd" -H "username: testuser" -d '{"Latitude": 45.49966390, "Longitude": 9.211740843, "Radius": 1.1 }' -X POST https://ws3.sanmarinomail.it/SmmDropoffLocator/geolocate
```

response examples (array of objects.):

[

```

{
  "country": "IT",
  "carrierLabel": "Poste Italiane",
  "address": "VIALE DELLE RIMEMBRANZE DI GRECO 39, 20125 MILANO IT",
  "latitude": 45.49966390,
  "timeSlots": {
    "sunday": "CLOSED",
    "saturday": "06:00-20:00",
    "tuesday": "06:00-20:00",
    "wednesday": "06:00-20:00",
    "thursday": "06:00-20:00",
    "friday": "06:00-20:00",
    "monday": "06:00-20:00"
  },
  "type": "shop",
  "carrier": "PDB",
  "addressDetail": {
    "zipcode": "20125",
    "country": "IT",
    "address": "VIALE DELLE RIMEMBRANZE DI GRECO 39",
    "city": "MILANO"
  },
  "nameExtended": "shop | Punto Poste Greco 39",
  "name": "Punto Poste Greco 39",
  "id": "IT-PDB-RTZ-ZMIGR",
  "detail": "monday: 06:00-20:00, tuesday: 06:00-20:00, wednesday:
06:00-20:00, thursday: 06:00-20:00, friday: 06:00-20:00, saturday: 06:00-20:00,
sunday: CLOSED",
  "longitude": 9.211740843
},
{
  "country": "IT",
  "carrierLabel": "Poste Italiane",
  "address": "VIALE DELLE RIMEMBRANZE DI GRECO 55, 20125 MILANO IT",
  "latitude": 45.50188225,
  "timeSlots": {
    "sunday": "CLOSED",
    "saturday": "07:30-19:30",
    "tuesday": "07:30-19:30",
    "wednesday": "07:30-19:30",
    "thursday": "07:30-19:30",
    "friday": "07:30-19:30",
    "monday": "07:30-19:30"
  },
  "type": "shop",
  "carrier": "PDB",
  "addressDetail": {
    "zipcode": "20125",
    "country": "IT",
    "address": "VIALE DELLE RIMEMBRANZE DI GRECO 55",
    "city": "MILANO"
  },
  "nameExtended": "shop | Punto Poste TABACCHERIA N. 405",
  "name": "Punto Poste TABACCHERIA N. 405",
  "id": "IT-PDB-RTZ-ZL108",
  "detail": "monday: 07:30-19:30, tuesday: 07:30-19:30, wednesday:
07:30-19:30, thursday: 07:30-19:30, friday: 07:30-19:30, saturday: 07:30-19:30,
sunday: CLOSED",

```



```
    "longitude": 9.211457427  
  }  
]
```

The id field is the information that needs to be used in the "DROPOFF\_ID" field when requesting a dropoff label in the SMM web service.

## Getinfo Method:

To be able to use the web service is mandatory to add some headers in the call; these headers are:

- Accept: application/json
- username: testusername
- token: {token}TEST-TOKEN-a0a2-47b0-b1ab-923d2ec4b8ce

If any of the listed mandatory headers is missing an error will be sent.

This method allow the user to get all the informations regarding a single Dropoff Point; the method expects ad a mandatory argument the dropoffid (string type)

	NAME	DESCRIPTION	TYPE	MAX LENGTH	MANDATORY
1	dropoffID	Dropoff id of the interested point	T	50	Y

Here is a JSON request example:

```
{
  "dropoffID": "IT-PDB-FMP-01046"
}
```

The URL is: <https://ws3.sanmarinomail.it/SmmDropoffLocator/getinfo>

curl example :

```
curl -H "Accept: application/json" -H "token: ddddddddddddddddddddddd" -H "username: testuser" -d '{ "dropoffID": "IT-PDB-FMP-01046" }' -X POST https://ws3.sanmarinomail.it/SmmDropoffLocator/getinfo
```

Response examples (json object):

```
{
  "country": "IT",
  "carrierLabel": "Poste Italiane",
  "address": "VICOLO CASTELLO 1, 15050 CARBONARA SCRIVIA IT",
  "latitude": 44.84928385,
  "timeSlots": {
    "sunday": "CLOSED",
    "saturday": "08:20-12:45",
    "tuesday": "08:20-13:45",
    "wednesday": "08:20-13:45",
    "thursday": "08:20-13:45",
    "friday": "08:20-13:45",
    "monday": "08:20-13:45"
  },
  "type": "postoffice",
  "carrier": "PDB",
  "addressDetail": {
    "zipcode": "15050",
  }
}
```

```
        "country": "IT",
        "address": "VICOLO CASTELLO 1",
        "city": "CARBONARA SCRIVIA"
    },
    "nameExtended": "postoffice | Ufficio postale CARBONARA SCRIVIA",
    "name": "Ufficio postale CARBONARA SCRIVIA",
    "id": "IT-PDB-FMP-01046",
    "detail": "monday: 08:20-13:45, tuesday: 08:20-13:45, wednesday: 08:20-13:45, thursday: 08:20-13:45, friday: 08:20-13:45, saturday: 08:20-12:45, sunday: CLOSED",
    "longitude": 8.87033261
}
```