

Document Summary

DID for sale API provides the developers a simple approach to integrate with the architecture. The API enables integrators to get a list of numbers available to purchase with the details about these numbers and how to buy a particular number.

The API is broken down into two different functions -

- a) List DID
- b) Buy DID

This document tells how to integrate with the DID for sales API, the relevant structures that needs to be sent to DID for sales and the details that will be sent back to the calling systems.

II. API Functions

1- List DID

This function will provide the developers to get the details of a list of phone numbers by taking some information in the request and when the requests are successfully sent in the specified format, the response generated is sent back to the user.

This API function works by using the below url –

<http://didforsale.com/didforsaleapi/index.php/api/v2/ListDID>

Generating a list requires an apikey (which is obtained from DIDforSale), npa, nxx and show to be sent in the request parameters. The show parameter in the url decides how many numbers a user wants to generate. The value of show comes in the range of 1 to 100. If this value is less than 1 it takes as 1 and if it is greater than 100 it takes as 100 by default.

The URL takes 4 parameters in the request-

1. APIKey

2. npa
3. nxx
4. show

For example if the request URL is –

```
http://www.didforsale.com/didforsaleapi/index.php/api/v2/ListDID/APIKey?n  
pa=216&nxx=373&show=2
```

When all the details sent in the request are correct, the response generated will be like -

```
[{"number":"2163973748","ratecenter":"Cleveland","state":"OH","reference_id":"42","metered":"y","channelized":"y","flat_rate":"y","metered_tier1":"n","metered_tier2":"n"}]
```

The response gives a list of numbers available for purchase with other details like ratecenter, state etc. If the requests will be having some incorrect information, it will generate response with following details, where the false status is showing that the request was not correct.

```
{"status":false,"message":"User authorization failed. Please try with correct API key."}
```

2- Buy DID

This function will allow the users to buy one of available numbers (which we fetched in last request) by sending details as request attached to the below url. The response generated by the API will tell the user about the purchase details.

This API function works by using the below url –

```
http://didforsale.com/didforsaleapi/index.php/api/v2/BuyDID
```

The URL takes 7 parameters in the url -

1. APIKey
2. Ratecenter

3. State
4. Did
5. reference_id
6. didtype
7. config (optional)

The above parameters can be obtained from the response generated by the List DID function.

Did is the “number” in response of List DID function.

Didtypes are of following types -metered, channelized, flatrate, metered_tier1, metered_tier2 which are present in response of List DID function.

For example if the request URL is –

```
http://didforsale.com/didforsaleapi/index.php/api/v2/BuyDID/APIKey?ratecenter=Cleveland&state=OH&did=2163973748&reference_id=42&didtype=metered
```

When all the details sent in the request are correct, the response generated will be like –

```
{"status": "success", "message": "You have purchased DID#2163973748 successfully."}
```

The response gives the detail of the purchase with status and message for successful purchase when the details sent to the url are correct.

If the requests will be having some incorrect information, it will generate response with following details, where the false status is showing that the request was not correct.

```
{"status": false, "message": "User authorization failed. Please try with correct API key."}
```

Configuring your DID:

The last parameter passed in this API is an optional parameter 'config'. You can pass the phone number of your exiting DID in your account and the system will copy the configurations to the newly purchased DID number.