

HLR LOOKUP API DETAILS:

This method allows you to get the Number Context information for the requested phone numbers over HTTP. Number context response is returned immediately, eliminating the need for the call back server. The response will retrieve the information of the requested number such as mccMnc(Mobile Country Code & Mobile Network Code), IMSI, Network Name, if the number is ported or roaming, etc..

Unlike the asynchronous version of Number context, this endpoint is intended to be used to check smaller amounts of phone numbers and does not support batch processing. It is more convenient, and can be used in scenarios like validating individual phone numbers collected from the user interface. Note that this API endpoint may incur larger latency than the rest of the API.

POST

<https://vapi.msggatewayhub.com/number/1/query>

JSON

```
Authorization: Basic QwxhZGRpbjpvcmVudHh1c2FtZQ==  
Content-Type: application/json  
Accept: application/json  
  
{  
  "to": ["41793026727"]  
}
```

Response format

If successful, the response header HTTP status code will be 200 OK and include Number Context information in the response body. If you try to send a Number Context without authorization, you will get a response with the HTTP status code 401 Unauthorized. If your request contains more than 1000 destination addresses, API will return the status code 400 Bad Request.

```
{
  "results":
  [
    {
      "to": "41793026727",
      "mccMnc": "22801",
      "imsi": "228011234567890",
      "originalNetwork":
      {
        "networkName": "Swisscom",
        "networkPrefix": "79",
        "countryName": "Switzerland",
        "countryPrefix": "41"
      },
      "ported": false,
      "roaming": false,
      "servingMSC": "41001",
      "status":
      {
        "groupId": 3,
        "groupName": "DELIVERED",
        "id": 5,
        "name": "DELIVERED_TO_HANDSET",
        "description": "Message delivered to handset"
      },
      "error":
      {
        "groupId": 0,
        "groupName": "Ok",
        "id": 0,
        "name": "NO_ERROR",
        "description": "No Error",
        "permanent": false
      }
    },
    {
      "bulkId": "BULK-ID-123-xyz"
    }
  ]
}
```

Note: Number lookup logs over API are available for the last 48 hours.

Parameter Details

NCRRESPONSE

Parameter	Type	Description
<i>bulkId</i>	String	The ID that uniquely identifies the request. Bulk ID will be received only when you send a Number Context to more than one destination address.
<i>results</i>	NCRResponseDetails	Array of Number results, one per every phone number.

NCRRESPONSEDETAILS

Parameter	Type	Description
<i>to</i>	String	The Number Context destination address.
<i>mccMnc</i>	String	Mobile country code and mobile network code concatenated. MccMnc will start with the MCC, and it will always have three digits, followed by the MNC (length of the MNC depends on the value of the MCC, and it can be two or three).
<i>imsi</i>	String	International Mobile Subscriber Identity, used to uniquely identify the user of a mobile network.
<i>originalNetwork</i>	Network	Information about the original network.
<i>ported</i>	Boolean	Tells if the phone number is ported.
<i>portedNetwork</i>	Network	Information about the ported network.
<i>roaming</i>	Boolean	Informs if the phone number is in roaming.
<i>roamingNetwork</i>	Network	Information about the roaming network.
<i>servingMSC</i>	String	Serving mobile switching center.
<i>status</i>	Status	Indicates whether the Number Context query was successfully executed, not executed or any other possible status.
<i>error</i>	Error	Indicates whether the error occurred during the query execution.

NETWORK

Parameter	Type	Description
<i>networkName</i>	String	Network name.
<i>networkPrefix</i>	String	Network prefix.
<i>countryName</i>	String	Country name.
<i>countryPrefix</i>	String	Country prefix.

STATUS

Parameter	Type	Description
<i>groupId</i>	int	Status group ID.
<i>groupName</i>	String	Status group name.
<i>id</i>	int	Status ID.
<i>name</i>	String	Status name.
<i>description</i>	String	Human readable description of the status.
<i>action</i>	String	Action that should be taken to eliminate the error.

ERROR

Parameter	Type	Description
<i>groupId</i>	int	Error group ID.
<i>groupName</i>	String	Error group name.
<i>id</i>	int	Error ID.
<i>name</i>	String	Error name.
<i>description</i>	String	Human readable description of the error.
<i>permanent</i>	boolean	Tells if the error is permanent.



Regarding API, we have the default response which we are sending so the parameters are predefined. Some of the requested parameters are not sent in the API response at all.

Due to the nature of HTTP communication API responses are the way they are.

If you require detailed report so feel free to extract reports on the reporting section of our customer portal.

For more details information, please drop a mail on support@msgatewayhub.com or call on **9907922122** and **press 2** for support.