



API for Pull Based Delivery Reports

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1. Introduction

The document communicates specifications of the API to Pull the delivery reports and information like sample request, parameters, value, responses, and behavior.

2. Purpose

The API will be able to fetch the DLR status of a single number or multiple numbers, which the user is authorised to view (through all the Entity IDs for these specified accounts) and will be scalable to capture the data for multiple days via Pull API as and when required.

3. API Endpoint

```
https://dlrapi.msggupshup.com/dlr/api/v1/deliveryReports?mask=XXXX' \--header 'Authorization: Basic  
MjAwMDAyODYyMzptb3J1'
```

The API supports basic authentication scheme, and the connection security is provided through HTTPS protocol.

Sample Code for Authorization code generation:

```
<?php  
echo "\n". base64_encode("Account_ID: Password");  
?>
```

Note: Authorization code is base64 value of AccountID: Password

Where AccountID will be the account number provided by Enterprise SMS GupShup e.g.,200XXXXXX and password provided by Gupshup for authentication of account.

4. API Behaviour

Queries can run in two modes (Sync Mode and Async Mode) based on the number of parameters specified. Anything apart from Sync parameter combination will run in Async Mode.

4.1 Sync Parameter Combination:

- The records are less than 10 thousand and time to fetch the data is less, then the request will send JSON response directly.
- The records are less than 10 thousand and time to fetch the data is more, then the request will switch to Async Mode and return a jobId response.
- The records are greater than 10 thousand and time to fetch the data is less, a ZIP of the .CSV result file will be downloaded.
- The records are greater than 10 thousand and time to fetch the data is more, then the request will switch to Async Mode and return a jobId response.

Note: For Sync Parameter Combination at least phoneNumber and fromDate parameters have to be present. If the toDate parameter is also present, then the difference between both dates must be less than 24 hours.

4.2 Async Parameter combination:

JobID will always be returned immediately, and query will be registered to execute by the DLR service. Next, user makes a request to see the results by passing jobId in the parameter. The below behaviour will follow:

- The records are less than 10 thousand and result processing is complete, then the request will send JSON response directly.
- The records are less than 10 thousand and result processing is incomplete, then the same jobId will be sent back with status = processing
- The records are greater than 10 thousand and result processing is complete, a ZIP of the .CSV result file will be downloaded.
- The records are greater than 10 thousand and result processing is incomplete, then the same jobId will be sent back with status = processing

5. Sample Request

5.1 Sync API Request

```
curl --location --request GET  
'https://dlrapi.msgupshup.com/dlr/api/v1/deliveryReports?phoneNumbers=91XXXXXXXXXX&  
causeld=447524752228012342' --header 'Authorization: Basic MjAwMDAwMDAwMDpxMnczZTQ=' \
```

5.2 Async API Request

When time to run query > threshold. The request will switch to the Async behaviour. In case of a long running process a job will be registered against each request.

```
curl --location --request GET  
'https://dlrapi.msgupshup.com/dlr/api/v1/deliveryReports?jobId=4478704700625031527' \  
--header 'Authorization: Basic MjAwMDAwMDAwMDpxMnczZTQ=' \
```

5.3 API Request Parameters

Supported Method: **GET**

Parameter	Value	Description
phoneNumbers	Phone number of the receiver	The number must be in pure numeric format with no special characters
causeld	Numeric	Transaction id, Unique id for each request in a pure numeric format
fromdate, todate	Date	Date range, To date should be greater than or equals to from date date format can be ddmmyy:hhmmss
JobId	Numeric String representing the	This parameter will be used in isolation when we want to see the results of the previously submitted Job. As long as

	submitted Job	there is a parameter with this name in the API call, all other parameters will be ignored.
extra	Alphanumeric characters	Input any text in this parameter and the same value will be forwarded in callback url. 50 alphanumeric characters are allowed for this parameter.
mask	Alphabetical characters	Sender id to be sent with the SMS. It has to be pre-configured 6 characters alphabetical sender id for the enterprise account.
messageID	Numeric/Alphanumeric value	Custom message ID. This will be attached to Callbacks. You can use your internal IDs to identify the DLRs more easily. 500 characters numeric/alphanumeric value is allowed for message id.
dltTemplateId	Numeric characters provided by operators DLT Portal	The Template ID registered with the DLT platform for the Entity ID. Each entity has to register templates to send messages to their registered customers.

6. Sample API Response

6.1 Sync Response: When single record has been processed in the API request, below output will be received

```
[
{
"number":"919XXXXXXXXX",
"status":"SUCCESS",
"cause":"SUCCESS",

"causeId":"3642482241587094893",
"messageId":"202844656272554761",
"deliveredTS":"1533729300000"
}
]
```

6.2 Async Response:

When multiple records have been processed in API request, below response will be received

```
[
{
  "number": "919819885445",
  "status": "SUCCESS",
  "cause": "SUCCESS",
  "causeId": 4479051857873278262,
  "messageId": "475716637234654373",
  "extra": "",
  "deliveredTS": 1633456200000
},
{
  "number": "919819885445",
  "status": "SUCCESS",
  "cause": "SUCCESS",
  "causeId": 4479051857873278262,
  "messageId": "443320736938533896",
  "extra": "",
  "deliveredTS": 1633456200000
}
]
```

Following is the explanation of various parameters:

- **deliveredTS** - Time of delivery of message as LONG number.
- **status** - Final status of the message, possible values are SUCCESS, FAIL, UNKNOWN, SUBMITTED, SENT, DELIVERED, READ or FAILED.
- **phoneNo** - Phone number of the receiver.
- **cause** - This is the response you will get depending on the status
- **Mask** – Sender id sent with the SMS

6.3 Job ID Created:

For long running process, on every request submission a requestId will be generated, and Job registered against the process.

```
[
{
  "requestId": "4480366105542701415",
  "submitTime": 1633612888445,
  "status": "Processing"
}
]
```


6.4 Data Processing Response:

When the record value is large and the request is in process, the API will give the response “Processing”

```
[
{
  "requestId": "4480366105542701415",
  "submitTime": 1633612888445,
  "status": "Processing"
}
]
```

6.5 Error Code:

When the job id is not incorrect or not found, below error response will be received

```
{
  "errors": [
    {
      "message": "Job-ID not found"
    }
  ]
}
```