

Message Central API Documentation



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Introduction

Welcome to Message Central's product documentation. Here you will find details to learn about, try, and implement each of Message Central's products!

Message Central's Products

There are 3 services that we offer currently.

1. Verify Now

Verify Now perform phone-based, multi-factor authentication (MFA) using multiple channels and methods. It is an authentication service using SMS, WhatsAPP, RCS or Silent Authentication which makes it easy for you to set up multi-factor Authentication without going through any registration process.

2. Message Now

Message Now API makes it easy to send alerts, transactional messages, otp, reminders, notifications, marketing messages, and more using your preferred channels. It's a messaging API for sending messages over SMS, WhatsAPP, RCS and Email. Send messages through a secure platform that offers direct carrier connections, global carrier data, and telecom fraud expertise.

3. Integrations with CRM

MessageCentral is now integrated with CRMs like Shopify, PipeDrive, CleverTap etc. You can easily integrate with these CRMs and use our services hassle-free and grow your business. enterprises can now initiate Messages on SMS and whatsAPP through these CRM as part of their workflow. Currently MessageCentral has integration with

- i. CleverTap
- ii. Pipedrive
- iii. Shopify

Help and Support

For implementation support and any feedback, please reach out to us at operations@messagecentral.com



Rest API Base URLs:

All Platform API endpoints below should be prefixed with the following URL:

https://cpaas.messagecentral.com

Generate Token

When using the VerifyNow API, MessageNow API, or CRMs to send messages, the initial call should be to the token generation API. This API returns a token that must be included in all subsequent calls. An authentication token is needed to validate the user and should be included in the header section of each request.

Request Parameters:

Field	Туре	Mandatory	Description
customerId	String	yes	Customer identifier (need to login on message central website to get your customer id
country	Integer	no	Country code to send OTP to
email	String	no	Email
key	String	yes	Base-64 encrypted password
scope	String	no	Use 'NEW' for first time

Request URL Path:

/auth/v1/authentication/token



cURL

```
curl --location
'https://cpaas.messagecentral.com/auth/v1/authentication/token?customerId=<
CustomerId>&key=<Base64 Encrypted
password>&scope=NEW&country=91&email=test@messagecentral.com' \
--header 'accept: */*'
```

NOTE: To convert a cURL command into code using Postman, open Postman, import the cURL command via the "Import" button, and then generate the code in your preferred language by clicking the "Code" button on the right side of the request.

Response JSON:

A successful response will return a 200 status code.

```
{
    "status": Integer,
    "token": "String"
}
```



Verify Now

Mobile phone numbers serve as the ultimate user identity in the digital universe. Digital applications, whether on the web or on mobile, verify the mobile numbers of their users to ensure their authenticity. To address this growing need, Message Central has developed a reliable, quick, and cost-effective mobile number verification service called Verify Now.

Using VerifyNow as an Authentication Service with OTP

VerifyNow can be used as an authentication service by generating and sending One-Time Passwords (OTPs). Here are the key details:

- OTP Generation and Sending: For SMS, VerifyNow generates an OTP and sends it to the user using the predefined sender IDs. In India, the sender ID used is UTOMOB, while for international messages, the sender ID U2 INFO is used.
 For WhatsApp, VerifyNow sends it to the user using Message Central WhatsApp account brand name and the brand name is "Message Central by U2opia Mobile."
- **Message Template:** The OTP message sent to the user will utilize Message Central's predefined message template. Custom sender IDs or message templates provided by the enterprise will not be used; they will be ignored by the VerifyNow service.

Also, the following parameters need to be sent while using VerifyNow APIs;

API Parameter	Туре	Value
flowType	String	SMS/WHATSAPP/RCS/SAUTH
type	String	OTP

How to use the Verification APIs

When you integrate with the VerifyNow API for OTP-based authentication, the following process occurs:

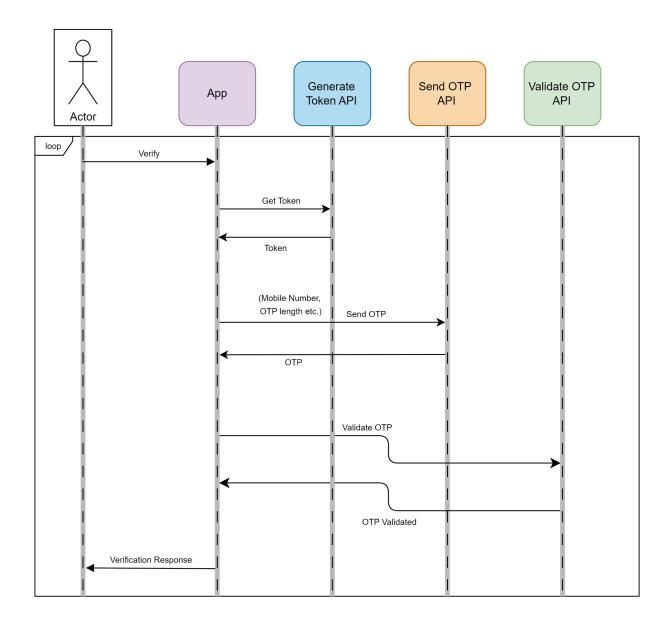
- 1. The enterprise requests the VerifyNow API to generate an OTP.
- 2. VerifyNow generates the OTP and sends it to the user's mobile number using the predefined sender ID(in case of SMS) & Brand Name(in case of WhatsApp)
- 3. The user receives the OTP in a message formatted according to U2opia's template.



4. The enterprise then uses the OTP for user verification as part of its authentication workflow.

This ensures a consistent and reliable user experience for OTP delivery across different regions.

The following diagram shows how to use the Verification APIs when using the iOS, Android or Javascript SDKs to initiate a verification.





Send OTP

To **sendOtp** on a mobile number below are the request parameters. The authentication token is required to send OTP which is generated by the generated token API (which you can find above in Introduction section)

Request Header	Туре	Mandatory
authToken	String	yes

Request URL Path:

POST

/verification/v3/send

Request Parameters:

Field	Туре	Mandatory	Description
countryCode	String	yes	Country code
otpLength	Integer	no	Send a number between 4 and 8. Default is 4
mobileNumber	String	yes	Mobile number for single text
flowType	String	yes	We send OTP using multiple mediums like SMS, WhatsApp, email, etc. For now, use SMS & WHATSAPP only

NOTE: To send OTP via SMS please use flowType as SMS & WHATSAPP in case of it.

cURL

```
curl --location --request POST
'https://cpaas.messagecentral.com/verification/v3/send?countryCode=91&flowT
ype=SMS&mobileNumber=999999999'\
--header 'authToken:
eyJhbGciOiJIUzUxMiJ9.eyJzdWOiJDLTMzNDMyQTVGNDlGNzQwNCIsImlhdCI6MTcxMjExOTA0
MCwiZXhwIjox'
```



NOTE: To convert a cURL command into code using Postman, open Postman, import the cURL command via the "Import" button, and then generate the code in your preferred language by clicking the "Code" button on the right side of the request.

Response JSON:

A successful response will return a 200 status code.

```
"responseCode": 200,
   "message": "SUCCESS",
   "data": {
        "verificationId": "xxxx",
        "mobileNumber": "xxxx",
        "responseCode": "200",
        "errorMessage": null,
        "timeout": "60",
        "smCLI": null,
        "transactionId": "xxxx"
}
```

Validate OTP

The **validateOtp** method is a REST API endpoint for validating a one-time password (OTP) for customers.

Request Header	Туре	Mandatory
authToken	String	yes

Request URL Path:

```
GET /verification/v3/validateOtp/
```



Request Parameters:

Field	Туре	Mandatory	Description
verificationId	Long	yes	VerificationId from response of /send api
code	String	yes	otp
langld	String	no	For multiple language support by default is English. For now we support English only

cURL

```
curl --location
'https://cpaas.messagecentral.com/verification/v3/validateOtp?&verification
Id=2949&code=1476' \
--header 'authToken:
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJDLTMzNDMyQTVGNDlGNzQwNCIsImlhdCI6MTcxMjExOT
AOMC'
```

Response JSON:

A successful response will return a 200 status code.

```
"responseCode": 200,
   "message": "SUCCESS",
   "data": {
        "verificationId": "xxxx",
        "mobileNumber": "xxxx",
        "responseCode": "200",
        "errorMessage": null,
        "verificationStatus": "VERIFICATION_COMPLETED",
        "authToken": null,
        "transactionId": "xxxxx"
}
```



VerifyNow V3 Enhancements

The latest iteration of VerifyNow brings several enhancements designed to improve the flexibility, efficiency, and effectiveness of OTP (One-Time Password) delivery. MessageCentral Version 3 API gives much more freedom and flexibility to partners compared to Version 2 API. The new features are mentioned below, in addition to the features available in Versions 1 and 2:

- 1. Customizable OTP Timeouts
- Flexible Timeout Settings: This version allows for the customization of OTP timeout durations. Enterprises can set the validity period of the OTP based on their security needs and user experience preferences.
- Enhanced Security: Customizable timeouts help balance between user convenience and security, reducing the risk of unauthorized access by limiting the time window for OTP use.
- 2. Adjustable Pricing Models
- Parameter-Based Pricing: The new version introduces the capability to adjust pricing based on various parameters such as delivery channels. This allows enterprises to better manage their costs and optimize their budget.
- Cost Efficiency: By offering a more granular pricing structure, VerifyNow helps businesses to select the most cost-effective options for their OTP delivery needs.
- 3. Versatile Delivery Options
- Multiple Channels: In addition to SMS, Version 3 supports OTP delivery through various channels including WhatsApp, RCS, and more. This versatility ensures that users can receive OTPs through their preferred communication method.
- Enhanced User Experience: Providing multiple delivery options improves user satisfaction by accommodating different preferences and increasing the likelihood of successful OTP receipt.
- 4. Implementation Use Cases
- Multi-Channel Strategy: Enterprises can implement a multi-channel OTP delivery strategy, starting with SMS and falling back to WhatsApp or email if the initial delivery fails.
- Tailored User Experience: Depending on the user demographic and regional preferences, businesses can tailor the OTP delivery method to enhance user engagement and satisfaction.



Message Now

Message Now is a versatile messaging API designed to facilitate the sending of messages over various communication channels, including SMS, WhatsApp, RCS (Rich Communication Services). This API provides robust features and flexible options to meet diverse messaging needs.

Use Case Scenarios

- **Promotional Campaigns**: Use Message Now to send promotional messages to customers via SMS, WhatsApp, or email, leveraging the API's multi-channel capabilities to maximize reach.
- Transactional Alerts: Ensure timely delivery of transactional alerts and notifications, such as purchase confirmations or account updates, through the most appropriate communication channel.
- **OTP Verification**: Implement a secure OTP delivery system for user authentication, choosing between SMS, WhatsApp, or email based on user preferences and security requirements.

If an enterprise wishes to generate its own OTP and utilize MessageCentral solely as a messaging service provider, it should configure MessageNow using the following parameters in the send API. In this case, the enterprise must provide the Sender ID and message content in the respective API fields.

Also, the following parameters need to be sent while using MessageNow APIs;

API Parameter	Туре	Value
flowType	String	SMS/WHATSAPP/RCS/SAUTH
type	String	SMS
messageType	String	ОТР

NOTE: If you want to send OTP messages, Message Central recommends using Verify Now APIs, which is specifically designed for that use case.



Adjustable Pricing Models

Parameter-Based Pricing: The API offers adjustable pricing based on various parameters such as the message volume, delivery region, and chosen communication channels. This helps businesses manage costs effectively and optimize their messaging budget.

Cost Efficiency: By allowing granular control over pricing, Message Now ensures that enterprises can select the most cost-effective options tailored to their specific needs.

Message Sending Modes

Message Central offers two primary modes for sending messages through the MessageNow API:

1. Send a Message to a Single Number

To send a message to a single number, populate the following API fields:

- MobileNumber: The recipient's mobile number.
- Message: The text content of the message to be sent.

2. Send a Message to Multiple Numbers

There are two methods to send messages to multiple numbers:

a. Using Multipart File Upload

- File Upload: Use the API parameter (file) to upload a multipart file.
- Message: Use the API parameter (message) for the text to be sent.
- File Format: Only .xlsx files are supported.
- Customization: This method supports customized messages per user, allowing different message content for each recipient listed in the file.

b. Using API Field for Multiple Numbers

• PhoneNumbers: Use the API parameter (phoneNumbers) to specify the list of recipient numbers. (format: country<space> mobile:

Eg - 91 9816111111, 91 7715131105,.....

• Message: Use the API parameter (message) for the text to be sent.



Difference Between Multipart File Upload and PhoneNumbers Field:

- Multipart File Upload (.xlsx): Allows for customized messages per user. Each recipient can receive a unique message as specified in the uploaded .xlsx file.
- PhoneNumbers Field: Sends the same text to all recipients. The message specified in the message field will be uniformly delivered to everyone listed in the phoneNumbers field.

Please find the Sample file format in XLXS format below:

Country	Mobile	varl	var2	var3

Where 'var1', 'var2', and 'var3' are placeholders for variables. If an enterprise wants to send a customized message using file upload, the message field should be formatted as follows:

Sample message - "Hello ##var##, your balance is ##var2## on date ##var3##."

Send SMS

To send an SMS to a mobile number, the following request parameters are required. An authentication token, generated by the token generation API, is necessary to send the SMS.

Request Header	Туре	Mandatory
authToken	String	yes

Request URL Path:

POST /verification/v3/send



Request Parameters:

Field	Туре	Mandatory	Description
type	String	yes	Use "SMS" while sending sms
file	xlxs	no	This needs to be send as form data
countryCode	String	yes(in case of single sms & verify now)	Country code
otpLength	Integer	no	
mobileNumber	String	yes (in case of Single sms)	Mobile number for single text
flowType	String	yes	Send "SMS"
messageType	String	no (default is otp)	The type of message to be sent. (Allowed values TRANSACTION, PROMOTIONAL, OTP)
senderld	String	yes (in case of sms)	The ID of the sender
phoneNumbers	String	no	A list of phone numbers to send the SMS (format : country < space > mobile : 91 9876111111)
message	String	no	The custom message to be sent
templateld	String	no	Template Id of your approved template
entityId	String	no	Entity Id of your Brand

NOTE: TemplateID and **EntityID** are required if the template is not registered with Message Central. Also, both templateId and entityId must be present or both must be absent.

cURL

```
curl --location --request POST
'https://cpaas.messagecentral.com/verification/v3/send?countryCode=91&flowT
ype=SMS&mobileNumber=99999999998senderId=UTOMOB&type=SMS&message=%3CYour%20
Message%20Template%3E&messageType=PROMOTIONAL'
\--header 'authToken:
eyJhbGciOiJIUzUxMiJ9.thisisatesttoken.IgGu7Sb4lovBSql5LIXZU3jlwPG4giAMZ2kTI
Mg_EAaKVsVcCdpW_TYzyzdTd94GdEJMt5WntEGcEX4w0hITng'
```



NOTE: To convert a cURL command into code using Postman, open Postman, import the cURL command via the "Import" button, and then generate the code in your preferred language by clicking the "Code" button on the right side of the request.

Response JSON:

A successful response will return a 200 status code.

```
{
    "responseCode": 200,
    "message": "SUCCESS",
    "data": {
        "verificationId": "1234",
        "mobileNumber": "999999999",
        "responseCode": "200",
        "errorMessage": null,
        "timeout": "30.0",
        "smsCLI": null,
        "transactionId": "1c9c56ec-5cd3-48b5-9e32-a15499fb77a2"
    }
}
```

SMS Callback Integration with Message Central

To receive SMS callbacks and maintain them on your own system for receiving status updates of all messages sent through our service, please follow these steps:

- 1. Information Required:
 - a. Customer ID
 - b. Brand Name
 - c. Registered Email ID
 - d. Callback URL
- 2. **Submission Instructions:** Please send the above information to operations@messagecentral.com with the subject line "SMS Callback Integration with Message Central".



Callback URL Specifications: Ensure your callback URL is accessible and capable
of receiving HTTP POST requests containing JSON payloads with status updates of
sent SMS messages. Upon triggering, the endpoint will receive the following JSON
payload.

```
{
"apiKey": null,
"clientId": null,
"messageId": "a2e87214-d18c-4a2e-b7f4-802c4465a9b9",
"status": "DELIVRD",
"errorCode": 0,
"countryCode": null,
"mobile": "919999999999",
"submitDate": "2023-11-02 13:59:18",
"doneDate": "2023-11-02 13:59:22"
}
```

- 4. **Standard Status:** These are the following status you will receive for all the messages sent.
 - a. DELIVRD
 - b. EXPIRED
 - c. UNDELIV
 - d. UNKNOWN
 - e. REJECTD

For further assistance or clarification, please contact our support team at support@messagecentral.com.



Message Now V3 Enhancements

- 1. **SMS:** In India and several other countries, differential rates apply for OTP, Transactional, and Promotional messages. The v3 API allows partners to specify these message types in the API parameters. Refer to the messageType field in the Send Message section above for more details.
- 2. **Multi-Channel Messaging:** The same send API can now be used to send OTP, Promotional, and Transactional messages over new mediums such as WhatsApp, RCS, and Email, in addition to SMS. Refer to the FlowType field in the Send Message section above for more details.

NOTE: These features is currently in **Beta** and is expected to be fully released by the end of Q3 2024



Integration with CRM

Integrating your CRM with a text messaging platform like Message Central can significantly enhance your customer communication and marketing capabilities. Connecting your CRM with a text messaging tool allows both applications to 'speak' to each other, seamlessly sharing and syncing data. This integration provides numerous benefits, especially for customer relationship management, enabling the sending of individual and bulk text messages directly from your CRM.

Send SMS Campaigns from Your CRM System

Once your CRM system is integrated with an SMS platform, you can send SMS messages as part of your sales process with just a few clicks. This integration can greatly enhance your marketing efforts by allowing you to communicate with customers directly from your CRM. With the ability to send text messages from within your CRM, you can centralize your communication channels to better nurture customer relationships.

Use Automated SMS Workflows

CRM systems support workflows that can automate communications based on specific customer actions. For example, you might want to automatically send a product review request one week after a customer makes a purchase. By integrating your CRM with a text messaging platform, you can include SMS in your automated workflows. This ensures timely and relevant communication with your customers, enhancing their overall experience and engagement.

CleverTap CRM Integration

Prerequisites for Integration

Before you begin with integration, ensure you have:

- A Message Central account with SMS permissions
- A CleverTap account



Integration Steps

This process involves the following three significant steps:

1. Message Central Account Details

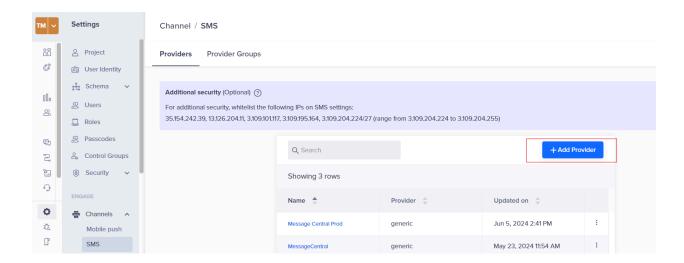
The following details would be required. For this you need to create an account in Message Central. The following parameters are required:

- a. Customer ID You can get your customer Id from Message Central home page
- b. Email This is the email with which you have created your account
- c. Password This is the password with which you have created your account

2. Adding Message Central Details on CleverTap Dashboard

Please follow the below steps to add Message Central details on CleverTap Dashboard

- i. Step 1 After logging into dashboard, navigate to Settings > Channels > SMS
- ii. Step 2 Click on "+Add Provider". (please check the image below).





iii. **Step 3** - Under Setup, enter the following details:

Field	Description
Provider	Select "Generic (Others)"
Nickname	Uniquely identifies the provider (Eg - Message Central)
Request Type	Select POST Between (GET and POST)
Http Endpoint	Enter Endpoint Url: "https://partners-prod.messagecentral.com/partners/central/api/saveSingleSms"

- iv. **Step 4 -** Under <u>Header</u>, enter the following Keys with respective Values
 - a. You need to click on "Add Pairs" to enter 5 Keys & values listed below:

Кеу	Value	
customerld	Your Customer Id (from MessageCentral dashboard)	
email	Your Email (used for MessageCentral login)	
password	Your Password (used for MessageCentral password)	
Content-Type	application/json	
account	Your Account Id (from CleverTap) eg,. 6K9-***-**7Z	

v. **Step 5 -** Under Parameters, select **Type** as <u>Json</u> and paste the below code

```
{
    "flowType": "SMS",
    "type": "SMS",
    "mobileNumber": "$$To",
    "messageText": "$$Body",
    "senderId": "UTOMOB", //this can be replace by your sender Id
    "mid": "$$MessageID"
}
```

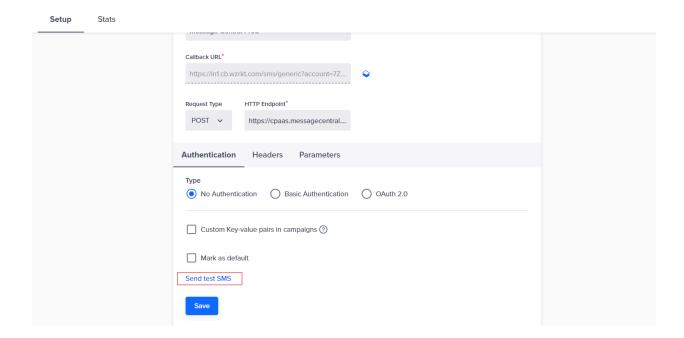


vi. **Step 6 -** Click **Save** to save the details.

In case there is an error: Dynamic Variable cannot be added or deleted. Just wait for a few minutes and click save.

3. Send a Test SMS

To ensure that the integration is successful, send a test SMS as follows:



- 1. Click the "Send Test SMS" before creating SMS campaigns and journeys. (You can find the 'Send test SMS' button above 'Save' button)
- 2. Enter the following details:
- Country Code and Mobile Number: Enter the country code and mobile number to which you want to send the test message
- Message: Eg Welcome to Message Central. We are delighted to have you here! - Powered by U2opia

NOTE: You need to enter your **whitelisted content** or **message** which is approved by DLT for your SenderID



Pipedrive CRM Integration

Prerequisites for Integration

Before you begin with integration, ensure you have:

- A Message Central account with SMS permissions
- A Pipedrive account

Integration Steps

This process involves the following three significant steps:

1. Message Central Account Details

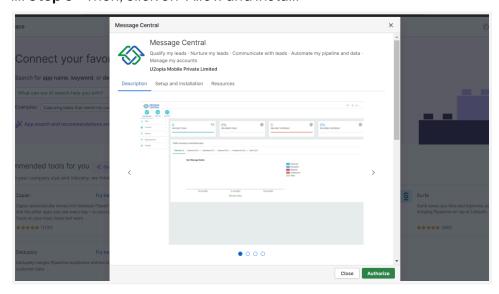
The following details would be required. For this you need to create an account in Message Central. The following parameters are required:

- a. Customer ID You can get customer Id from Message Central home page
- b. Email This is the email with which you have created your account
- c. Password This is the password with which you have created your account

2. Installing & Setting up Message Central app on Pipedrive

Please follow the below steps to add install Message Central app

- i. Step 1 Open the Pipedrive Marketplace and search for "Message Central."
- ii. Step 2 Click on "Authorize."
- iii. Step 3 Then, click on "Allow and Install."

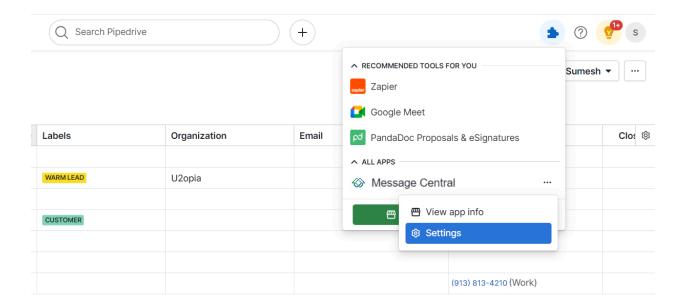




iv. **Step 4 -** Connecting your Pipedrive account with Message Central App

To integrate your account and start sending SMS, you need to add Message Central credentials in the above installed app.

- a. Go to "My apps" on top right corner of Pipedrive dashboard
- b. In Message Central app, click on three dots and then Settings



c. In Settings tab, enter the following Keys with respective Values

Key	Value	
customerId	Your Customer Id (from MessageCentral dashboard)	
email	Your Email (used for MessageCentral login)	
password	Your Password (used for MessageCentral password)	

v. **Step 5 -** Click **Save** to save the details.



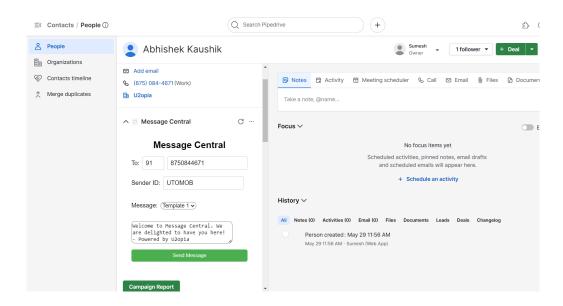
- 3. Sending Single, Bulk SMS Broadcast and their Reporting
- Sending single SMS using Message Central App

Navigate to Contacts section of Pipedrive where you can see all saved contacts

- 1. Click on any profile of saved contacts and his profile would open up
- 2. Enter the following details:
- Country Code and Mobile Number: Enter the country code and mobile number to which you want to send the test message
- Enter the message template you want to send to your customers
 For testing you can use: (Sender ID UTOMOB
 Message: Eg Welcome to Message Central. We are delighted to have you here! Powered by U2opia)

NOTE: You need to enter your **whitelisted content** or **message** which is approved by DLT for your SenderID

 Click on "Send Message" and this message will get triggered to the entered number

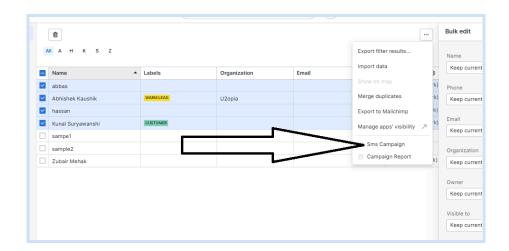




b. Sending Bulk broadcast SMS

Navigate to Contacts section of Pipedrive where you can see all saved contacts

- 1. Select all the profiles of the contacts you want to bulk broadcast SMS
- 2. After selecting contacts, click on More icon(three dots) at top right corner
- 3. Click on "SMS Campaign"



4. Enter the following details:

- Enter the message template you want to send to your customers
 For testing you can use: (Sender ID UTOMOB
 Message: Eg Welcome to Message Central. We are delighted to
 have you here! Powered by U2opia)
- Click on "SMS Message" and this message will get triggered to all the contacts selected





c. Sending Bulk broadcast SMS

Navigate to Contacts section of Pipedrive where you can see all saved contacts

- i. Click on More icon(three dots) at top right corner
- ii. Click on "Campaign Report"
- iii. If you have sent any campaign previously, you can check the report. All mobile numbers will be visible and SMS status of profiles will be updated in a few minutes.





Response Codes

Code	Description
200	SUCCESS
400	BAD_REQUEST
409	DUPLICATE_RESOURCE
500	SERVER_ERROR
501	INVALID_CUSTOMER_ID
505	INVALID_VERIFICATION_ID
506	REQUEST_ALREADY_EXISTS
511	INVALID_COUNTRY_CODE
700	VERIFICATION_FAILED
702	WRONG_OTP_PROVIDED
703	ALREADY_VERIFIED
705	VERIFICATION_EXPIRED
800	MAXIMUM_LIMIT_REACHED