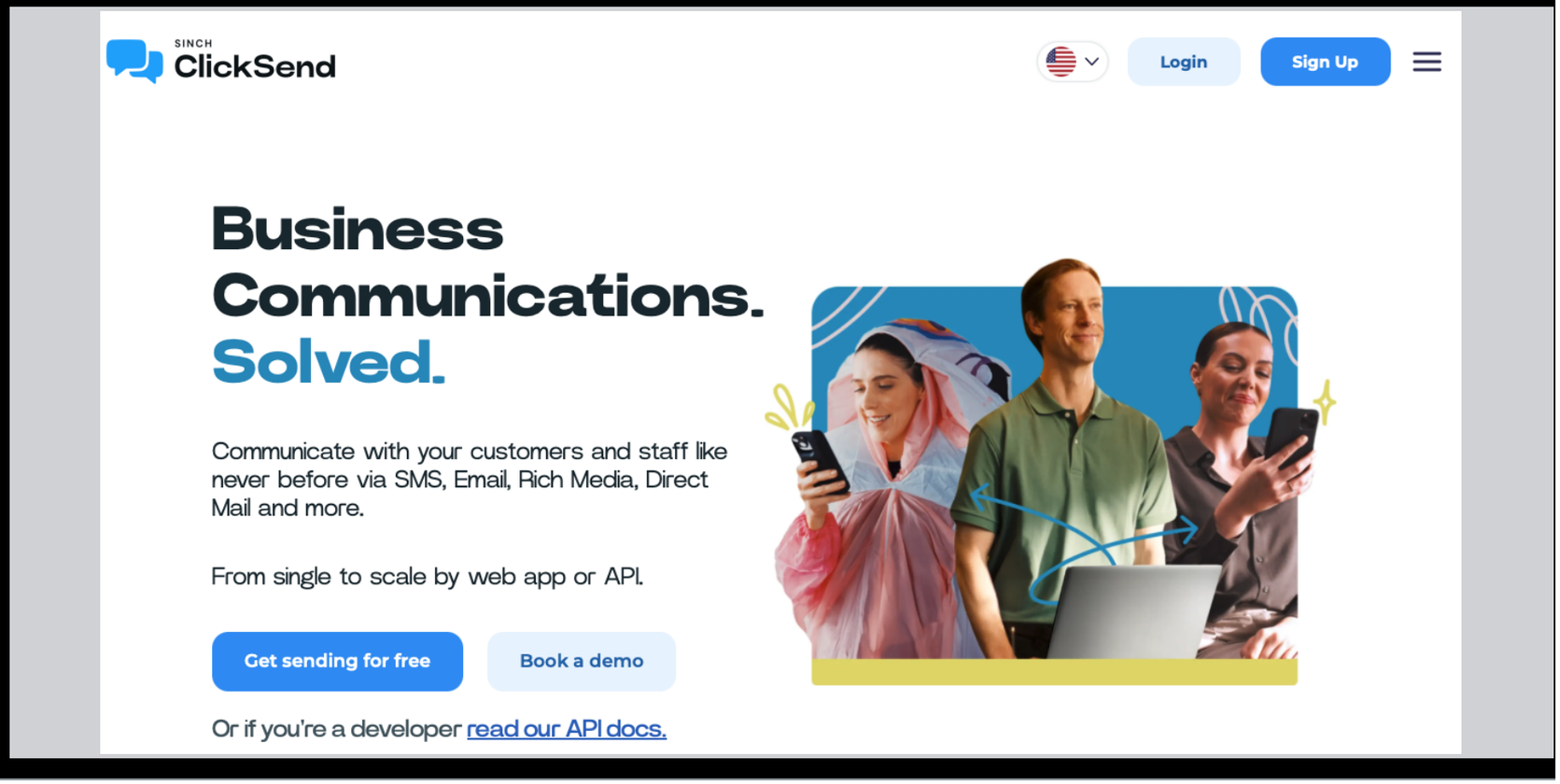
- https://www.clicksend.com/us/
- Sign up / Sign In
- Chat
- Send a test message for free
- Free trial
- Prices
- Connect to your data
- API Documentation
- The SMS script
- Base URL & Postman
- Authentication
- Source header
- The cURL variable
- The cURL variable
- SMS "to" number
- SMS message (JSON)
- Including Links
- Insert from URL
- Parse the Response
- Logging
- Sending Number Registration
- Referral Code

ClickSend

https://www.clicksend.com/us/

Visit the ClickSend web site to begin. You'll see that ClickSend has excellent reviews on Trustpilot and they claim to have more than 90,000 customers around the world. The company's headquarters is in Perth, Australia.



https://www.clicksend.com/us/

Sign up / Sign In

Chat

Send a test message for free

Free trial

Prices

Connect to your data

API Documentation

The SMS script

Base URL & Postman

Authentication

Source header

The cURL variable

SMS "to" number

SMS message (JSON)

Including Links

Insert from URL

Parse the Response

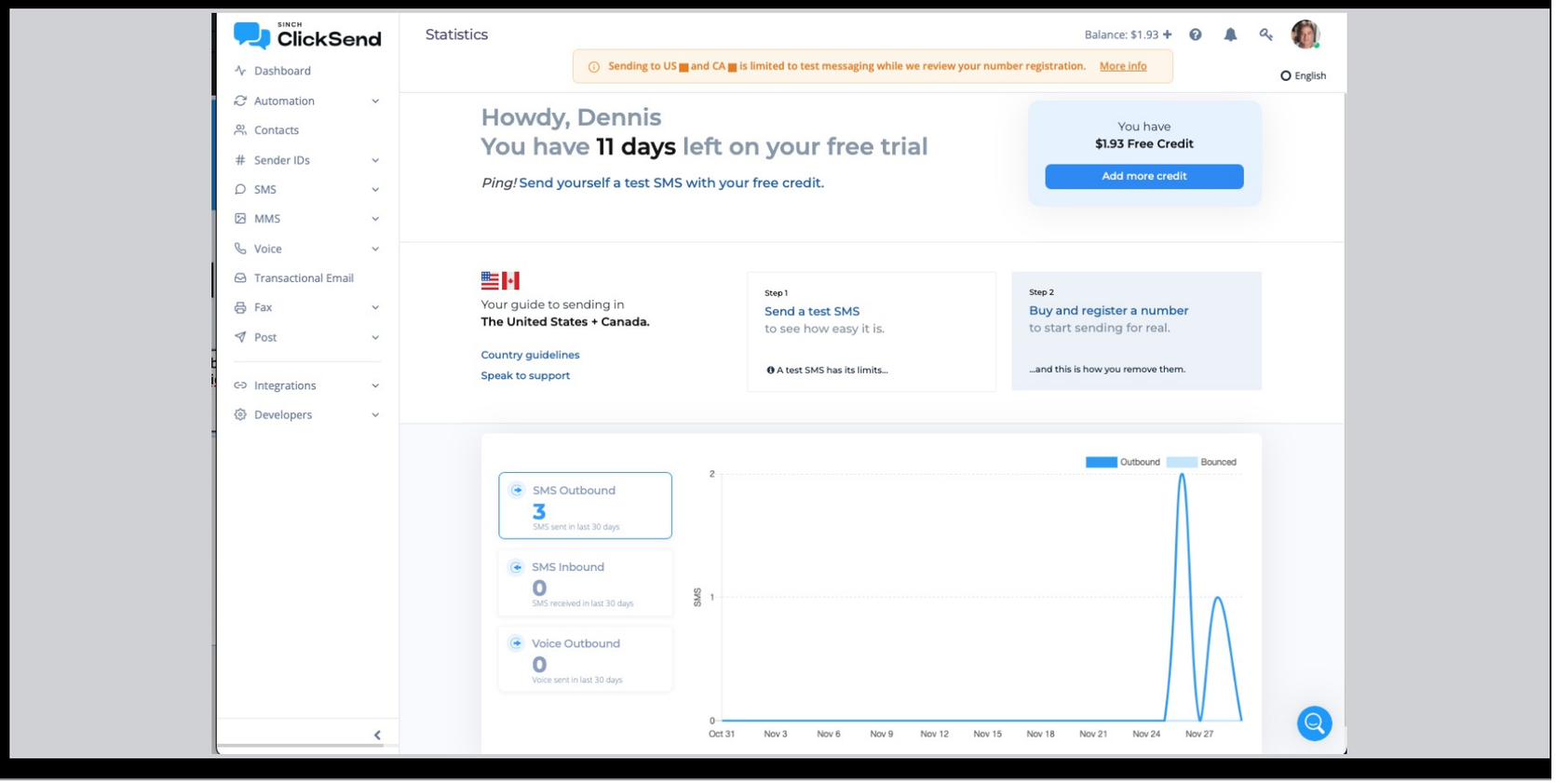
Logging

Sending Number Registration

Referral Code

Sign up / Sign In

The Dashboard page on the web site is your starting point to create your account and navigate throughout the ClickSend site. When you create your account you will be assigned an Account Number and an API Key. The latter is used, together with your email address, for API Authentication.

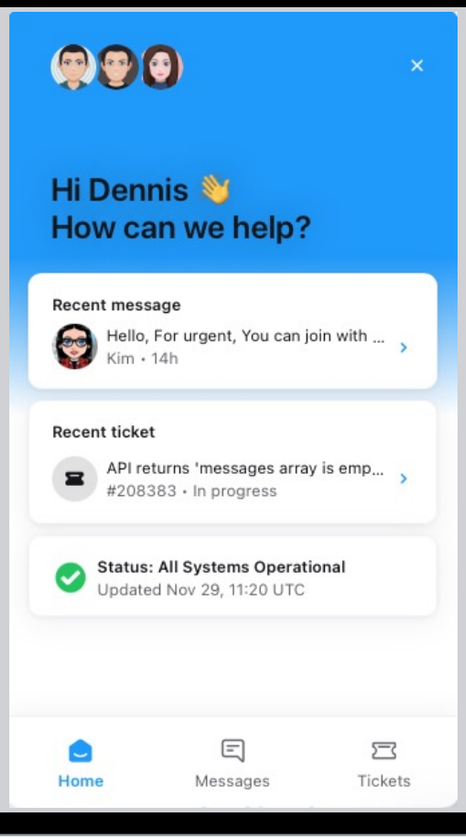


https://www.clicksend.com/us/
Sign up / Sign In
Chat
Send a test message for free
Free trial
Prices
Connect to your data
API Documentation
The SMS script
Base URL & Postman
Authentication
Source header
The cURL variable
SMS "to" number
SMS message (JSON)
Including Links
Insert from URL
Parse the Response
Logging
Sending Number Registration
Referral Code

ClickSend

Chat

ClickSend offers a very useful 24/7 chat messaging system to communicate with their technical team. Unlike other systems that rely exclusively on AI, this one very quickly refers questions that cannot be answered from their AI knowledge base to live technicians. The dialogs are friendly, knowledgeable and often immediate.



https://www.clicksend.com/us/

Sign up / Sign In

Chat

Send a test message for free

Free trial

Prices

Connect to your data

API Documentation

The SMS script

Base URL & Postman

Authentication

Source header

The cURL variable

SMS "to" number

SMS message (JSON)

Including Links

Insert from URL

Parse the Response

Logging

Sending Number Registration

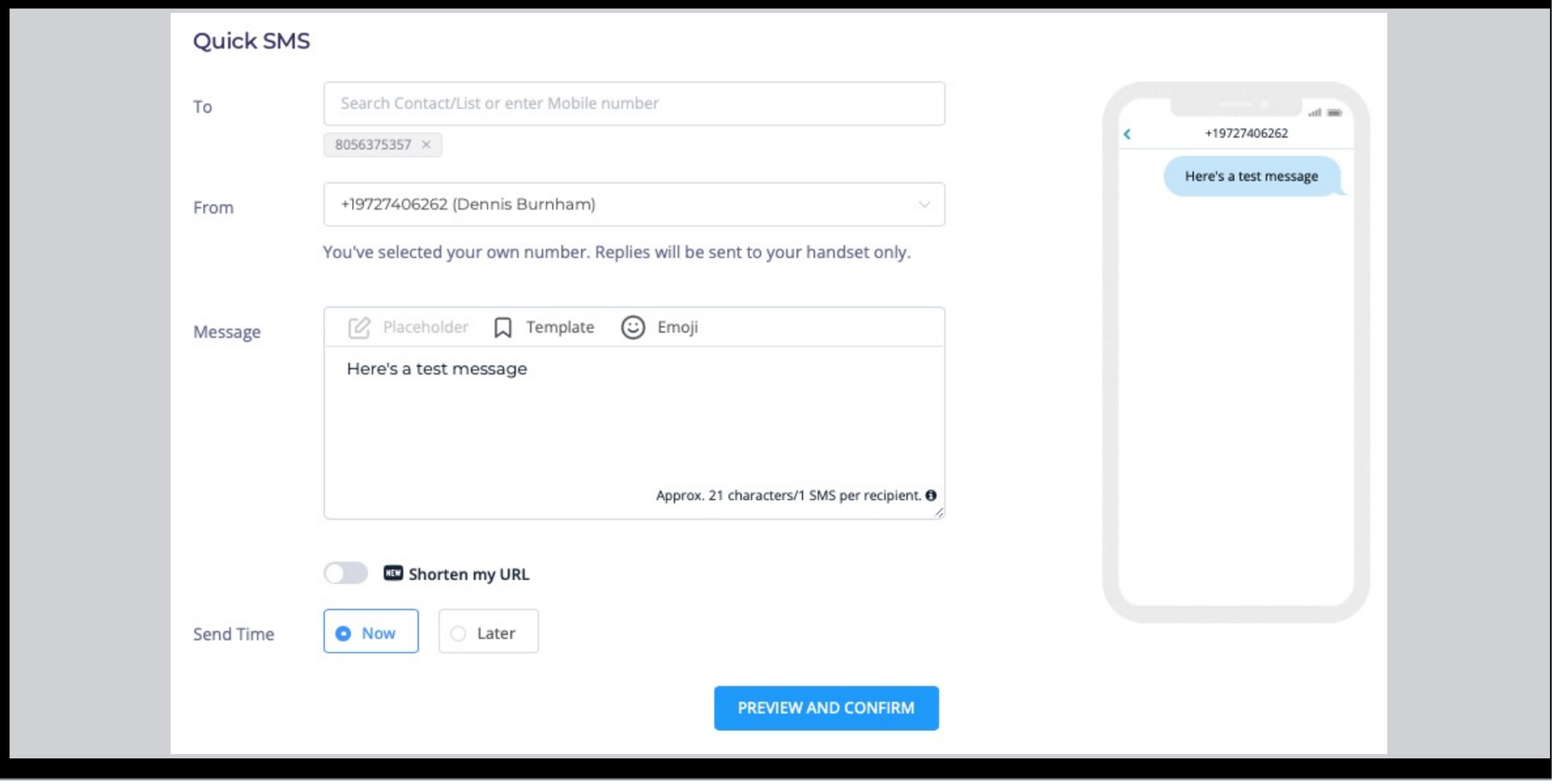
Referral Code

ClickSend

Send a test message for free

Before you spend any money, you can begin exploring the system and sending test messages. ClickSend funds your account with $2.00 and gives you 14 days to work in the test mode before requiring you to add additional funds.

Tiered pricing reduces the unit price of each SMS message.



https://www.clicksend.com/us/

Sign up / Sign In

Chat

Send a test message for free

Free trial

Prices

Connect to your data

API Documentation

The SMS script

Base URL & Postman

Authentication

Source header

The cURL variable

SMS "to" number

SMS message (JSON)

Including Links

Insert from URL

Parse the Response

Logging

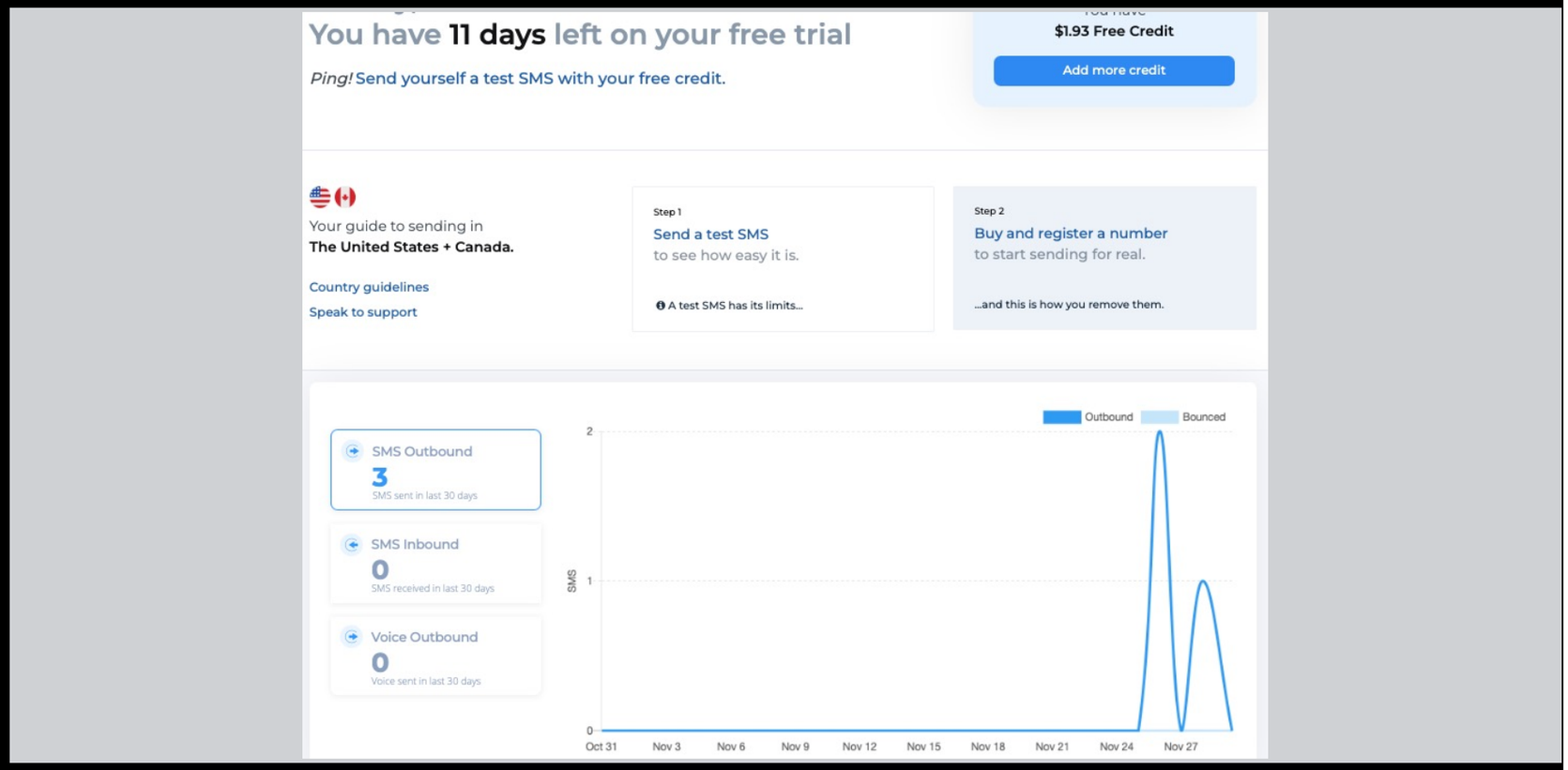
Sending Number Registration

Referral Code

ClickSend

Free trial

You can send approximately several dozen text messages using the $2.00 in your new account. Your "Dashboard" page will always alert you to the remaining days and available funds in your free trial

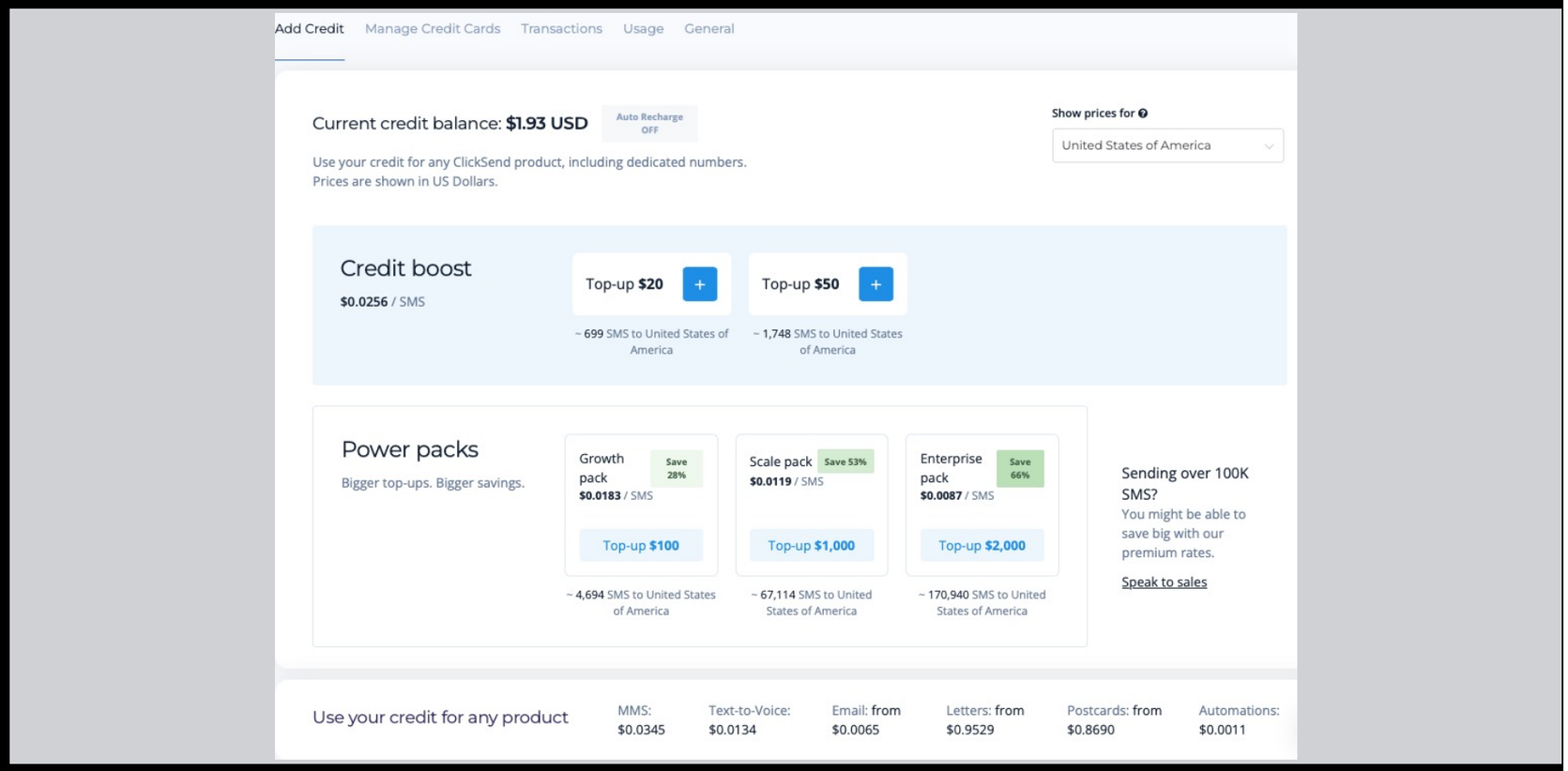


https://www.clicksend.com/us/
Sign up / Sign In
Chat
Send a test message for free
Free trial
Prices
Connect to your data
API Documentation
The SMS script
Base URL & Postman
Authentication
Source header
The cURL variable
SMS "to" number
SMS message (JSON)
Including Links
Insert from URL
Parse the Response
Logging
Sending Number Registration
Referral Code

ClickSend

Prices

ClickSend's pricing model is "pay-as-you-go." SMS prices range from $0.0087 each for the Enterprise level to $0.0183 each for the entry level. MMS messages are slightly more expensive. The rate for each "level" depends on the funds added to your account: $100 - $1,000 - or - $2,000. Message length increases message price which is reported by the API.

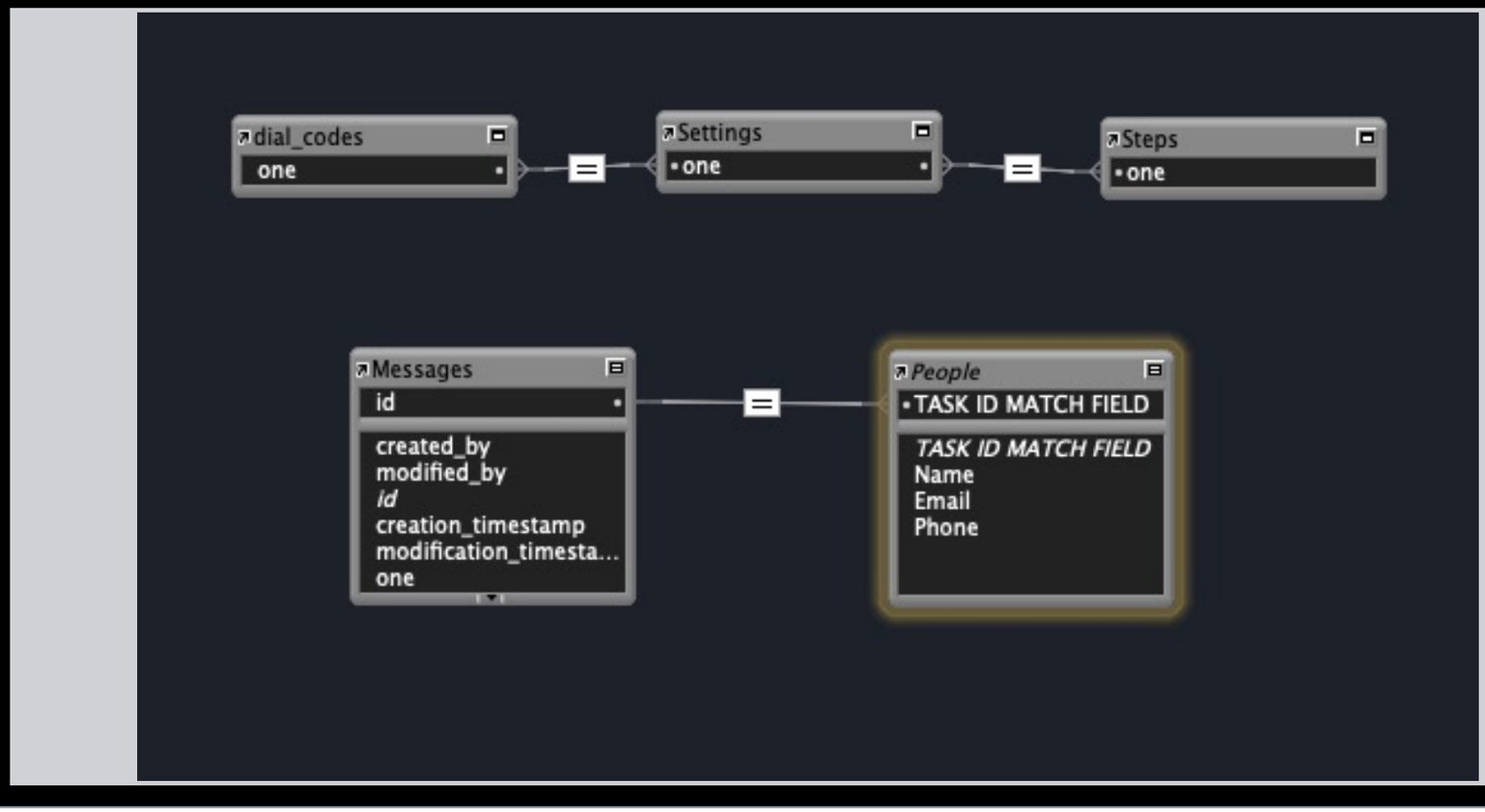


https://www.clicksend.com/us/
Sign up / Sign In
Chat
Send a test message for free
Free trial
Prices
Connect to your data
API Documentation
The SMS script
Base URL & Postman
Authentication
Source header
The cURL variable
SMS "to" number
SMS message (JSON)
Including Links
Insert from URL
Parse the Response
Logging
Sending Number Registration
Referral Code

ClickSend

Connect to your data

Use your FileMaker skills to make connections to the data you need to send messages and keep track of each message sent. Simply add table occurrences from other databases … or tables in the same database when the Add-on is inserted … and connect the table occurrences as shown in Manage Relationships.



https://www.clicksend.com/us/

Sign up / Sign In

Chat

Send a test message for free

Free trial

Prices

Connect to your data

API Documentation

The SMS script

Base URL & Postman

Authentication

Source header

The cURL variable

SMS "to" number

SMS message (JSON)

Including Links

Insert from URL

Parse the Response

Logging

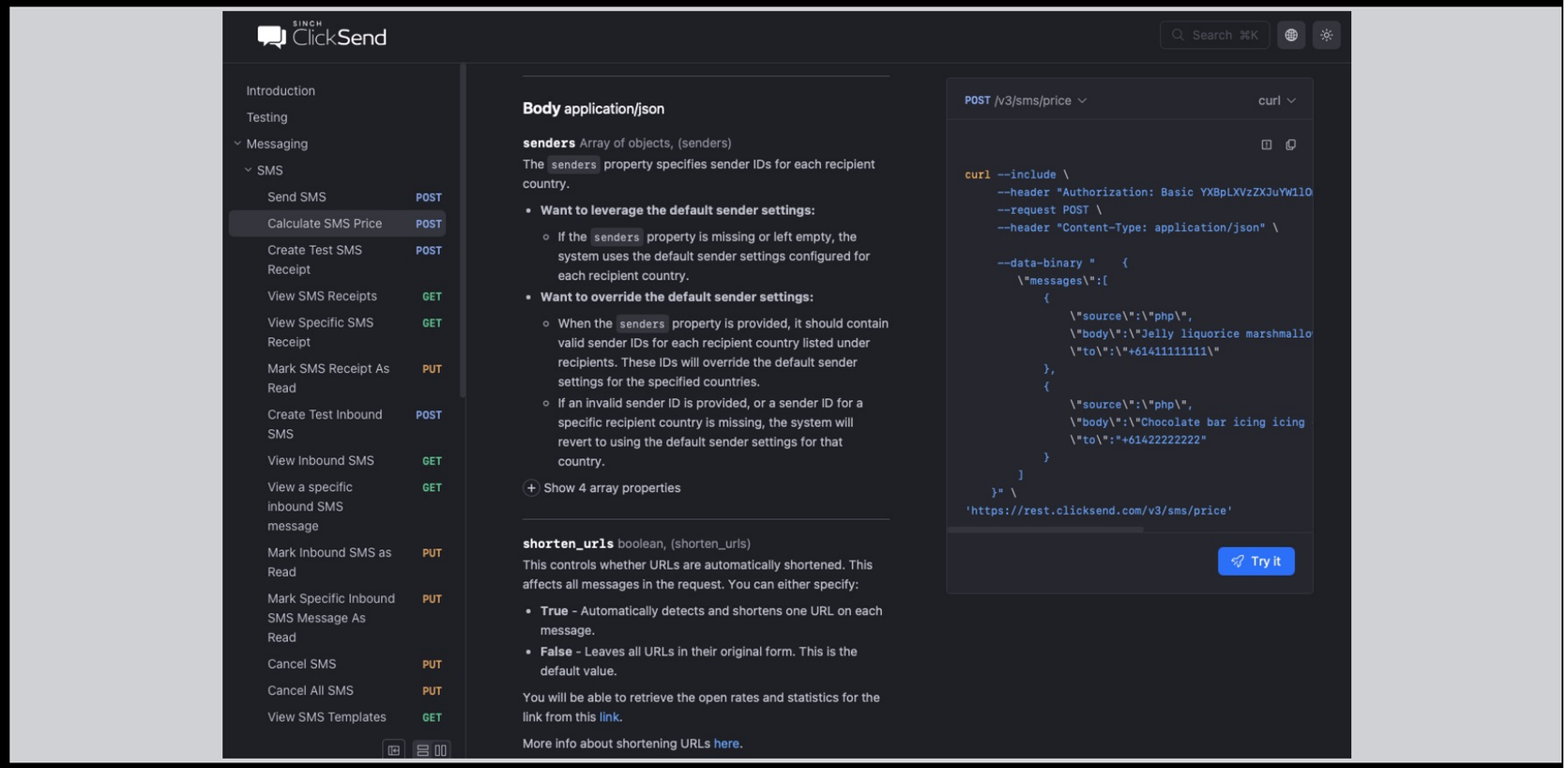
Sending Number Registration

Referral Code

ClickSend

API Documentation

The documentation is remarkably well organized with examples and code you can refer to when writing new scripts to customize the composition and behavior of your messages. This Add-on includes one script that sends individual ad-hoc messages. Using the many other ClickSend features is entirely up to you.



https://www.clicksend.com/us/

Sign up / Sign In

Chat

Send a test message for free

Free trial

Prices

Connect to your data

API Documentation

The SMS script

Base URL & Postman

Authentication

Source header

The cURL variable

SMS "to" number

SMS message (JSON)

Including Links

Insert from URL

Parse the Response

Logging

Sending Number Registration

Referral Code

The SMS script

Using fields in your Settings for your ClickSend account and data from any of your related data tables, the included script is driven by the JSON script parameter on the button provided. The message body can be composed *ad-hoc* or chosen from a value list of messages you create in advance.

```
Allow User Abort [ Off ]
Set Error Capture [ On ]


# This is a script to test sending SMS with ClickSend.
  It uses two fields from the test file's table (the message to be sent and the mobile phone number to send it to); all the other info required to create
  and send the messdage is hardcoded into this script.
  In a production system all the setup infomation could instead be stored in a variables table so that the user would
  be able to change values as required.


#     set the variables that are unique to your ClickSend accoiunt
Set Variable [ $username ; Value: "dennis@asnap.com" ]
Set Variable [ $apiKey ; Value: "5E3F431E-72E8-B520-66BC-D15E1CA6F0E4" ]
Set Variable [ $SMSnumber ; Value: Settings::mobile_ph ]

Set Variable [ $UUID ; Value: Settings::UUID ]

#     Present a dialog for the user to enter the message and where to send it.  (Subject field is only for MMS)
Show Custom Dialog [ "Real SMS Message" ; "What's the message where to send it ---" ; $body ; $SMSnumber ; $subject ]

#     The cellphone number for the recipient is rigorously validated at time of data entry. This step insures sure that only numerals are present and
  setting the applicable country code in place of the leading zero.  Country code +1 for USA, +44 for UK.  List of all countries is in the app.
Set Variable [ $SMSnumber ; Value: Let ([ $tel = Filter ( $SMSnumber ; "0123456789" ) ] ; "+1" &  If ( Left ( $tel; 1 ) = "0" ; "1" & Right ( $tel ; Len… ]

#     set the URL
Set Variable [ $url ; Value: "https://rest.clicksend.com/v3/sms/send" ]

#     set the AUTH using Base64Encode and Filtering the username and API key
Set Variable [ $auth ; Value: Filter ( Base64Encode ( $username & ":" & $apiKey ) ; "ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/=" ) ]

#     set the BODY.  FileMaker line breaks are automatically handled.
Set Variable [ $body ; Value: Substitute ( $body ; "¶" ; "\r\n" ) ]

#     if a URL is included in a message, set the variable as shown here with $link.  NO SHORTENERS PERMITTED.
Set Variable [ $link ; Value: "https://www.claris.com" ]
If [ not IsEmpty( $link ) ]
    Set Variable [ $data ; Value: JSONSetElement ( "{}" ; [ "shorten_urls" ; "true" ; 5 ] ; [ "messages[0].body" ; $body ; 1 ] ; [ "messages[0].source"… ]
Else
    Set Variable [ $data ; Value: JSONSetElement ( "{}" ; [ "messages[0].body" ; $body ; 1 ] ; [ "messages[0].source" ; "alphaTagFromClickSend" ; 1 ] ;… ]
End If
```

https://www.clicksend.com/us/
Sign up / Sign In
Chat
Send a test message for free
Free trial
Prices
Connect to your data
API Documentation
The SMS script
Base URL & Postman
Authentication
Source header
The cURL variable
SMS "to" number
SMS message (JSON)
Including Links
Insert from URL
Parse the Response
Logging
Sending Number Registration
Referral Code

Base URL & Postman

The base URL for all interaction with ClickSend is:
https://rest.clicksend.com/v3

The entire API collection can be easily imported from Postman

Base URLs:

- https://rest.clicksend.com/v3

Postman

If you would like to use Postman click this button to download our entire API collection for instant use.

▶ Run in Postman

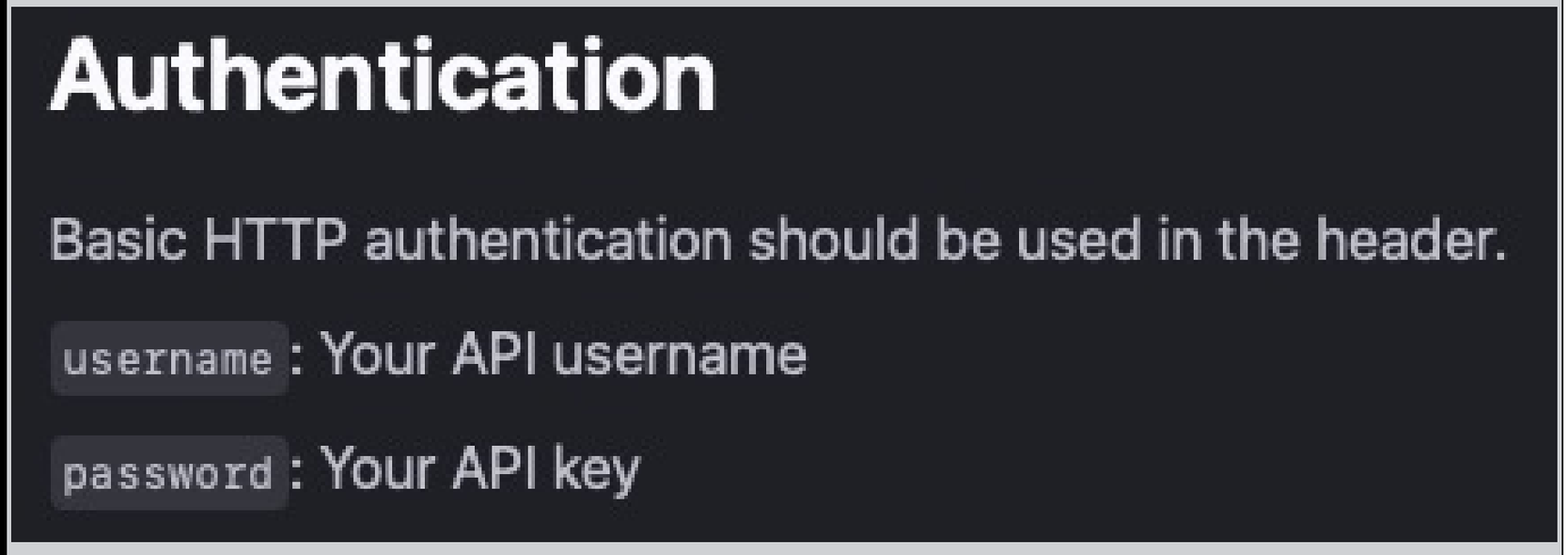
Simply import our collection and create an environment with `username` and `password` variables to get started.

https://www.clicksend.com/us/
Sign up / Sign In
Chat
Send a test message for free
Free trial
Prices
Connect to your data
API Documentation
The SMS script
Base URL & Postman
Authentication
Source header
The cURL variable
SMS "to" number
SMS message (JSON)
Including Links
Insert from URL
Parse the Response
Logging
Sending Number Registration
Referral Code

Authentication

Authentication uses FMP functions to create the "$auth" variable:

Set Variable [$auth ; Value: Filter (
Base64Encode ($username & ":" & $apiKey) ;
"ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789
+/=")



https://www.clicksend.com/us/
Sign up / Sign In
Chat
Send a test message for free
Free trial
Prices
Connect to your data
API Documentation
The SMS script
Base URL & Postman
Authentication
Source header
The cURL variable
SMS "to" number
SMS message (JSON)
Including Links
Insert from URL
Parse the Response
Logging
Sending Number Registration
Referral Code

Source header

The JSON $data includes includes a hard-coded source element in the array

```
JSONSetElement ( "{}" ;
        [ "messages[0].body" ; $body ; 1 ] ;
        [ "messages[0].source" ; "alphaTagFromClickSend" ; 1 ] ;
        [ "messages[0].to" ; $SMSnumber ; 1 ]  )
```

Name: $cURL

Value:

```
Substitute (

        "-X POST" & " " &
        "-H \"Authorization: Basic " & $auth & "\"" & " " &
        "-H \"Content-Type: application/json\"" & " " &
        "-d " & Quote ( $data ) ;

"¶" ;

" "

) //end substitute
```

https://www.clicksend.com/us/
Sign up / Sign In
Chat
Send a test message for free
Free trial
Prices
Connect to your data
API Documentation
The SMS script
Base URL & Postman
Authentication
Source header
The cURL variable
SMS "to" number
SMS message (JSON)
Including Links
Insert from URL
Parse the Response
Logging
Sending Number Registration
Referral Code

ClickSend

The cURL variable

The script creates the cURL using Set Variable, as shown below. It could also be created with Insert Text, but this method offers better control of the invisible ¶ characters to produce a $cURL object that is a text string without any return characters.

Name: $cURL

Value:

```
Substitute (

        "-X POST" & " " &
        "-H \"Authorization: Basic " & $auth & "\"" & " " &
        "-H \"Content-Type: application/json\"" & " " &
        "-d " & Quote ( $data ) ;

"¶" ;

" "

) //end substitute
```

https://www.clicksend.com/us/
Sign up / Sign In
Chat
Send a test message for free
Free trial
Prices
Connect to your data
API Documentation
The SMS script
Base URL & Postman
Authentication
Source header
The cURL variable
SMS "to" number
SMS message (JSON)
Including Links
Insert from URL
Parse the Response
Logging
Sending Number Registration
Referral Code

ClickSend

SMS "to" number

Country codes are essential in the formatting of phone numbers that are expected to receive SMS or MMS messages. The included script assumes the message is being sent to a USA phone number with the prefix +1.

You can modify the script to use other country codes chosen from the included related table of countries.

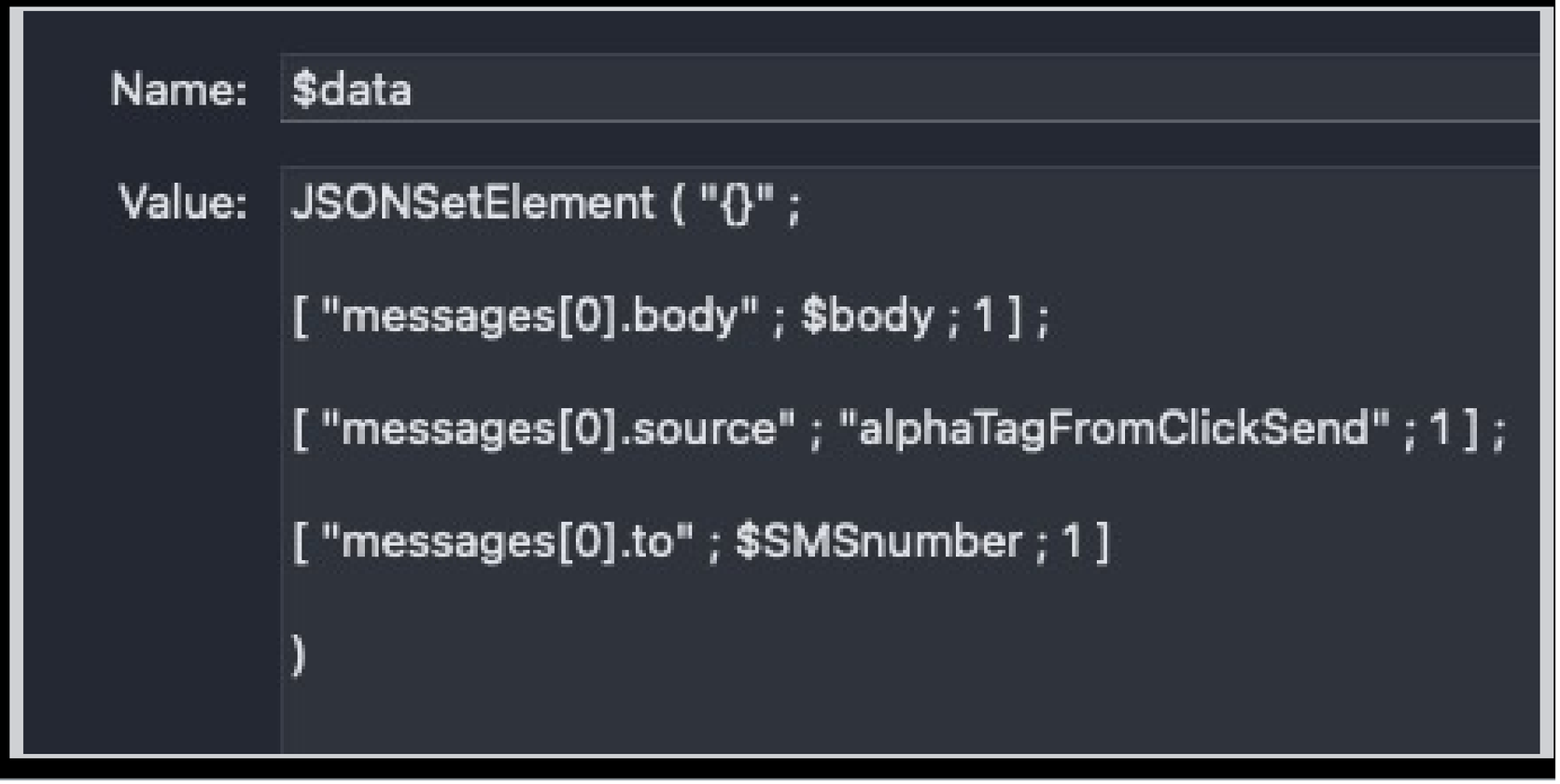
https://www.clicksend.com/us/
Sign up / Sign In
Chat
Send a test message for free
Free trial
Prices
Connect to your data
API Documentation
The SMS script
Base URL & Postman
Authentication
Source header
The cURL variable
SMS "to" number
SMS message (JSON)
Including Links
Insert from URL
Parse the Response
Logging
Sending Number Registration
Referral Code

ClickSend

SMS message (JSON)

The JSON format for the most basic SMS message consists of only 3 JSON objects: the message body, the source, and the destination phone number. MMS messages allow a subject.

A longer array would send multiple messages in the same API call with keys numbered accordingly.



https://www.clicksend.com/us/
Sign up / Sign In
Chat
Send a test message for free
Free trial
Prices
Connect to your data
API Documentation
The SMS script
Base URL & Postman
Authentication
Source header
The cURL variable
SMS "to" number
SMS message (JSON)
Including Links
Insert from URL
Parse the Response
Logging
Sending Number Registration
Referral Code

ClickSend

Including Links

Links can be included and automatically shortened using ClickSend's JSON key for "shorten_urls".

Using other shortened URLs (such as Google or bit.ly) is not permitted.

Name: $data

Value:

```
JSONSetElement ( "{}" ;

[ "shorten_urls" ; "true" ; 5 ] ;

[ "messages[0].body" ; $body ; 1 ] ;

[ "messages[0].source" ; "alphaTagFromClickSend" ; 1 ] ;

[ "messages[0].to" ; $SMSnumber ; 1 ] ;

[ "messages[0].from" ; $sender ; 1 ]


)
```

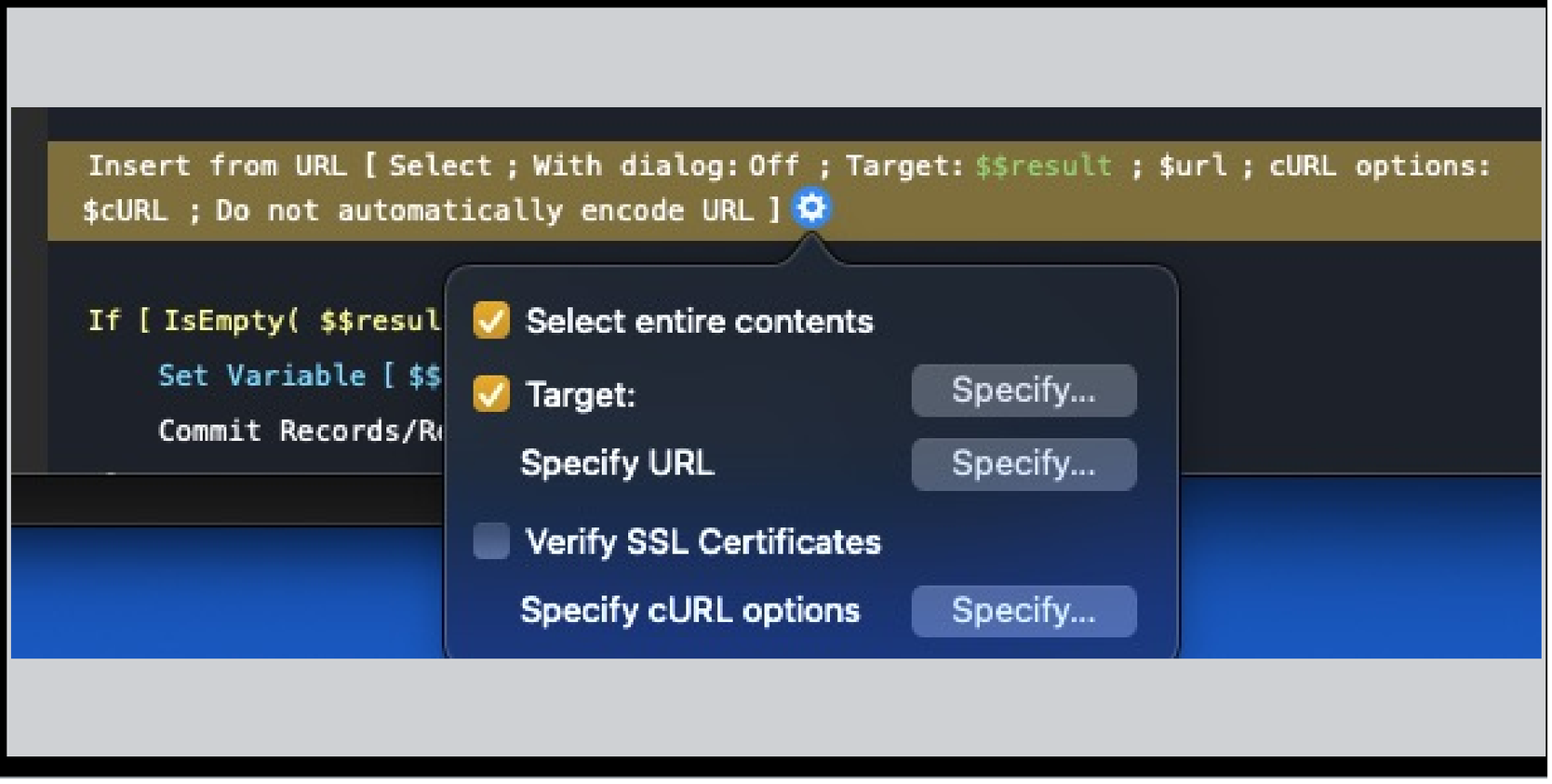
https://www.clicksend.com/us/
Sign up / Sign In
Chat
Send a test message for free
Free trial
Prices
Connect to your data
API Documentation
The SMS script
Base URL & Postman
Authentication
Source header
The cURL variable
SMS "to" number
SMS message (JSON)
Including Links
Insert from URL
Parse the Response
Logging
Sending Number Registration
Referral Code

ClickSend

Insert from URL

The Insert from URL script step relies on the already established $url and $cURL.

Note that "Do not automatically encode URL" should be specified.



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Sign up / Sign In
Chat
Send a test message for free
Free trial
Prices
Connect to your data
API Documentation
The SMS script
Base URL & Postman
Authentication
Source header
The cURL variable
SMS "to" number
SMS message (JSON)
Including Links
Insert from URL
Parse the Response
Logging
Sending Number Registration
Referral Code

Parse the Response

For the creation of a message log, or for inserting data into the record of the customer to whom the message was sent, the $$result variable can be parsed and other constant data specified. The script provides a practical example that can be modified as needed.

```
Set Field [message_log::api_result ;$$result ]
Set Field [message_log::via ;"SMS" ]
Set Field [message_log::customer_UUID ;$UUID ]
Set Field [message_log::sent_by ;Get(AccountName) ]
Set Field [message_log::sent_from ;"ClickSend" ]
Set Field [message_log::sent_to ;$SMSnumber ]
Set Field [message_log::sent_ts ;Get(CurrentTimestamp) ]
Set Field [message_log::subject ;$subject ]
Set Field [message_log::message ;$body ]
Set Field [message_log::cost ;
JSONGetElement ( $$result ; "data.messages[0].message_price" ) ]
```

https://www.clicksend.com/us/
Sign up / Sign In
Chat
Send a test message for free
Free trial
Prices
Connect to your data
API Documentation
The SMS script
Base URL & Postman
Authentication
Source header
The cURL variable
SMS "to" number
SMS message (JSON)
Including Links
Insert from URL
Parse the Response
Logging
Sending Number Registration
Referral Code

ClickSend

Logging

It's useful to create a log table in the "host" database. Portal filters enable the log to display the messages related to the record that was used to run the script to send the message.

Message Log

DATE	VIA	SENT BY	FROM	TO
Nov 29, 2025 11:01 AM	SMS	dburnham	ClickSend	+19727406262
3rd try for line break using \r\n		Saturday, Nov.29, 2025\r\n\r\nTo: Dennis		$ 0.22920
Nov 29, 2025 10:11 AM	SMS	dburnham	ClickSend	+19727406262
Line break test		Saturday, Nov.29, 2025\r\rTo: Dennis		$ 0.22920
Nov 29, 2025 10:05 AM	SMS	dburnham	ClickSend	+19727406262
Pre-delivery message Test		Saturday, Nov.29, 2025		$ 0.22920
Nov 29, 2025 10:02 AM	SMS	dburnham	ClickSend	+14055555555
				$ 0.00000
Nov 29, 2025 9:42 AM	SMS	dburnham	ClickSend	+14055555555
Test multi-line message		Here is a multi-line text message		$ 0.00000
Nov 28, 2025 5:19 PM	SMS	dburnham	ClickSend	(720) 334-0093
Reporting success to Teddy		Teddy: The SMS messaging is now working.		$ 0.02830

https://www.clicksend.com/us/
Sign up / Sign In
Chat
Send a test message for free
Free trial
Prices
Connect to your data
API Documentation
The SMS script
Base URL & Postman
Authentication
Source header
The cURL variable
SMS "to" number
SMS message (JSON)
Including Links
Insert from URL
Parse the Response
Logging
Sending Number Registration
Referral Code

ClickSend

Sending Number Registration

To insure that messages are deliverable and not blocked by the recipient, ClickSend recommends the use of registered sending numbers.

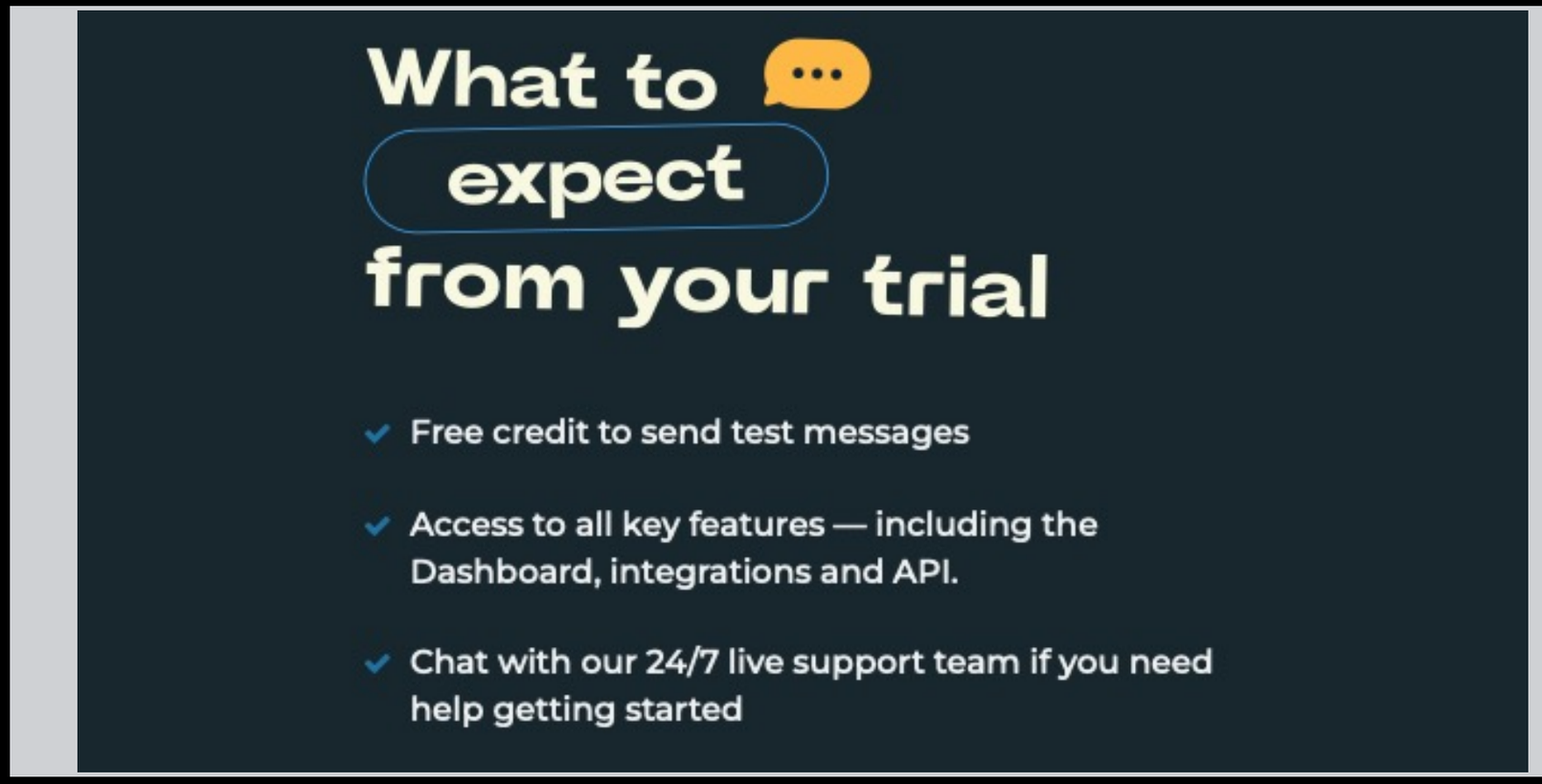
Toll-free numbers are less expensive because they are not subject to the same strict regulatory restrictions as Local 10-digit numbers (LTDN).

Local 10-Digit Number	$26.07/month	Toll-Free Number	$3.58/month
Build a local presence with dedicated area codes. For large businesses who need different numbers for locations or teams. Send up to 200,000 SMS per day, per number.		Nationwide reach with a toll-free format: [8XX]-XXX-XXXX Perfect for growing businesses who need 1-5 numbers. Send up to 50,000 SMS per day, per number.	
Required		Required	
Required		Required	
Required		Required	
Required		Not Required	
Register + Buy		Register + Buy	

https://www.clicksend.com/us/
Sign up / Sign In
Chat
Send a test message for free
Free trial
Prices
Connect to your data
API Documentation
The SMS script
Base URL & Postman
Authentication
Source header
The cURL variable
SMS "to" number
SMS message (JSON)
Including Links
Insert from URL
Parse the Response
Logging
Sending Number Registration
Referral Code

ClickSend

Referral Code

When you use this URL with the referral code when creating your ClickSend account, you wil be directed to the Free Trial sign-in form.

https://clicksend.com/?u=657285