

## Click To Fill API

The interface is a RESTful JSON API and can be accessed in the following fashion. Note that this API supports submitting the parameters using a GET (shown below) or a POST (required when URI exceeds 2000 characters) :

**SAMPLE URL:**

<https://api.1linx.com/rest/clicktofill/v3/clickToFill.php?clientId=abcdefgh123456789&serviceDesc=Cleaning&advertiserName=MrClean&returnUrl=http%3A%2F%2Fgoogle.com>

Parameter	Req'd	Description														
<i>clientId</i>	Y	An identifier issued by the provider to identify the user of the API														
<i>serviceDesc</i>	Y	A short description for the service or product you're offering. Note that this is used on the consent screen. See HTML template below for the wording.														
<i>advertiserName</i>	Y	Company name for the advertiser. Note that this is used on the consent screen. See HTML template below for the wording.														
<i>returnUrl</i>	Y	Client's end point URL to which to redirect the user after the flow is complete. The 'session' parameter will be appended, which will be used subsequent to retrieve the results. See below for details regarding the Retrieve API.														
<i>config</i>	N	<p>A JSON encoded array of values in the following format:</p> <table border="1"> <tbody> <tr> <td>title</td> <td>The title to use with our hosted consent pages</td> </tr> <tr> <td>css</td> <td>An array of CSS file URLs to be used to style the hosted consent page</td> </tr> <tr> <td>container_classes</td> <td>CSS classes to apply to the general body of the page, beneath the header</td> </tr> <tr> <td>header_classes</td> <td>CSS classes to apply to the top portion of the hosted forms, typically a banner</td> </tr> <tr> <td>header_image_source</td> <td>A URL. When supplied, the header will load with the referenced image</td> </tr> <tr> <td>mobile_content_classes</td> <td>CSS classes to apply to the portion of the page below the top/banner portion behind the consent modal</td> </tr> <tr> <td>mobile_accept_button_classes</td> <td>CSS classes to apply to the accept button in the consent form on the mobile page</td> </tr> </tbody> </table>	title	The title to use with our hosted consent pages	css	An array of CSS file URLs to be used to style the hosted consent page	container_classes	CSS classes to apply to the general body of the page, beneath the header	header_classes	CSS classes to apply to the top portion of the hosted forms, typically a banner	header_image_source	A URL. When supplied, the header will load with the referenced image	mobile_content_classes	CSS classes to apply to the portion of the page below the top/banner portion behind the consent modal	mobile_accept_button_classes	CSS classes to apply to the accept button in the consent form on the mobile page
title	The title to use with our hosted consent pages															
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mobile_accept_button_classes	CSS classes to apply to the accept button in the consent form on the mobile page															

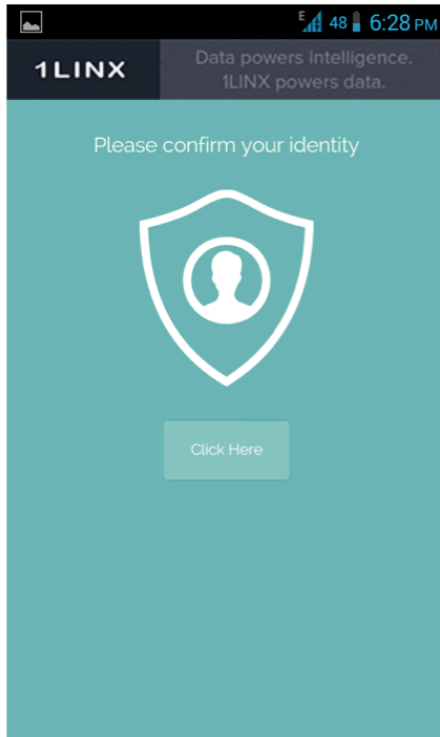
		mobile_cancel_button_classes	CSS classes to apply to the cancel button in the consent form on the mobile page
		modal_classes	CSS classes to apply to the outer div for the modal
		modal_desc_text	Description text placed as the title to the consent modal
		modal_inner_classes	CSS classes to apply to the inner div for the modal
<i>requestId</i>	N	Identifier passed by the client. Recommended to be unique for every request for reconciliation purposes	
<i>scope</i>	N	<p>This defines the depth of information you would like returned to you. Possible values are:</p> <ul style="list-style-type: none"> <li>“mobile” – only the customer’s mobile number will be returned, when available from the network.</li> <li>“all” – mobile and contact information when available from the network.</li> </ul> <p>This defaults to “all” when the value is not provided or when the value is not one of those listed above</p>	
<i>sessionData</i>	N	Free form string that can be leveraged by clients to store session related data thru to the returnUrl. Data passed here will be also returned in the response to the Retrieval API (see below).	
<i>gaTrackingID</i>	N	Google Analytics Tracking ID used for collecting analytics for traffic on the 1linx hosted consent page. See <a href="http://www.google.com/analytics">www.google.com/analytics</a> for how to signup and create a Tracking ID for your campaign. (eg. UA-12345678-1)	

The code snippet below depicts the relationship the above “config” parameters have in affecting how the hosted consent page is rendered. Below is the template used for the consent modal when network detection is available (see the [msg\\_modal](#) div) as well as the page rendered behind the modal (see the [consent-page](#) div).

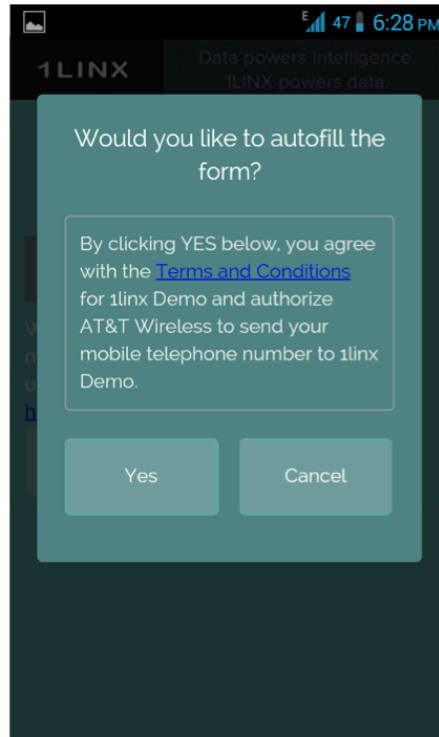
```
<body>
  <div id="consent_page" class="<? CONTAINER_CLASS ?>">
    <div class="<? HEADER_CLASS ?>">
      
    </div>
    <div class="<? MOBILE_CONTENT_CLASSES ?>">
    </div>
  </div>

  <!--HIDDEN MESSAGE MODAL-->
  <div id="msg_modal" style="display:none" class="<? MODAL_CLASSES ?>">
    <? MODAL_DESC_TEXT ?>
    <div id="msg_modal_inner" class="<? MODAL_INNER_CLASSES ?>">
      By clicking YES below, you agree with the <a href="http://1linx.com/terms.html">Terms and
      Conditions</a> for <? SERVICE_DESC ?> and authorize <span id="operator">your wireless operator</span>
      to send your mobile telephone number to <? ADVERTISER_NAME ?>.
    </div>
    <a id="acceptTerms" href="#" class="<? MOBILE_ACCEPT_BUTTON_CLASSES ?>">Yes</a>
    <a id="cancel" href="#" class="<? MOBILE_CANCEL_BUTTON_CLASSES ?>">Cancel</a>
  </div>
</body>
```

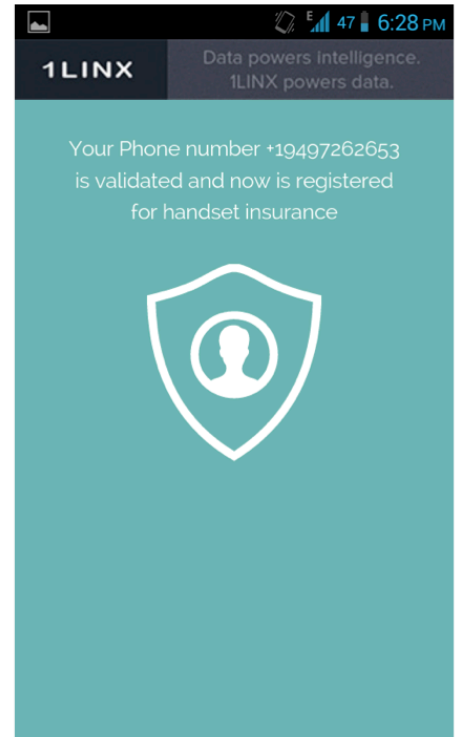
Below shows the screenflows for demonstrating the user experience:



Hosted by Client



1linx hosted consent modal



Hosted by Client

## Responses

The response from this API is a JSON encoded body of the following format:

```
{
  "statusCode": 0,
  "statusDescription": "Success",
  "RedirectUrl": "http://api.1linx.com/rest/clicktofill/v3/ctf_mobile.php?session=214081"
}
```

Where:

**statusCode** – a numeric result code (see table on page 7 for full list of status codes)

**statusDescription** – a textual description of the error case

**RedirectUrl** – the URL to which to redirect the user

After being redirected to the above RedirectUrl, the user will proceed through our hosted consent flow. Upon clicking either the “Yes” or “Cancel” button, the user will be redirected to the returnUrl provided in the clickToFill API call. In the case that the device isn’t on a supported network the user is immediately redirected to the returnUrl with a status code 401 indicating “Auto-detection is not available for this customer”.

In order to facilitate integration, you can simulate auto-detection on your devices by appending the below URI attributes to the RedirectUrl as demonstrated below:

[http://m-consent.com/rest/clicktofill/v3/ctf\\_mobile.php?session=214104&simulate=t&simulateMsisdn=12223334444](http://m-consent.com/rest/clicktofill/v3/ctf_mobile.php?session=214104&simulate=t&simulateMsisdn=12223334444)

Note that the results (ie. user's mobile number and/or contact information) are not passed directly to the returnUrl. Instead, a unique session identifier is sent to the returnUrl which can be used to securely retrieve the data thru a server-to-server call to our Retrieve API.

e.g., The user would be redirected to the following URL:

<http://www.returnUrl.com?session=214104>

Where:

**session** – session parameter used in subsequent call to the Retrieve API

In order to retrieve the mobile number and contact information, the above **session** parameter is passed along with the 'clientId' to our Retrieve API (shown below). Note that this call must be a server-to-server call in order to protect your clientId from being exposed in your public site's source code. Below is an example:

<https://api.1linx.com/rest/clicktofill/v3/retrieve.php?session=214104&clientId=abcdefgh123456789>

The response from Retrieve API is a JSON encoded body of the following format, dependent on the 'scope' specified in the initial clickToFill API call:

### Scope = "all"

```
{
  "fname": "LUIS O",
  "lname": "HERNANDEZ",
  "msisdn": "12292881196",
  "address1": "758 DRAKE AVE APT 108",
  "city": "LONG BEACH",
  "state_province": "CA",
  "zip": "902456809",
  "statusCode": "0",
  "statusDescription": "Success",
  "consent_details": {
    "consented": "true",
    "consent_time": "2013-12-15 20:12:17",
    "consent_screenshot_url": "http://api.1linx.com/rest/clicktofill/v3/consentScreens/2141045_e45c5f68a4287719a23f5cfbcf41835d.png"
  }
}
```

### Scope = "mobile"

```
{
  "msisdn": "12123007304",
  "statusCode": "0",
  "statusDescription": "Success",
  "consent_details": {
    "consented": "true",
    "consent_time": "2013-12-13 02:57:34",
    "consent_screenshot_url": "http://api.1linx.com/rest/clicktofill/v3/consentScreens/2095940_9ddcfcb0d6f804602130beae33eb8d1.png"
  }
}
```

Where:

**statusCode** - is a numeric result code (see table below)

**statusDescription** - is a textual description of the error case

**msisdn** – the mobile number of the subscriber in E164 format (11 digits in North America)

**fname** – first initial/name and optionally middle initial/name (eg. ALEX P)

**lname** – last name

**address1** – line 1 of the address

**address2** – (Optional) line 2 of the address

**address3** – (Optional) line 3 of the address

**city** – city

**state\_province** – two character state/province abbreviation

**country** – US

**zip** – ZIP (5-9 digits) or Postal Code (6-7 alphanumeric) of the subscriber

**sessionData** – (Optional) sessionData value passed into the initial clickToFill API call. If present, this parameter is returned regardless of success/failure of the API call.

Below is an enumerated list of status codes that can be encountered:

Status Code	Status Description
0	Success – Contact and MSISDN
1	Success – MSISDN Only
103	Internal Error
112	Bad Parameter Missing ClientId
113	Bad Parameter Missing serviceDesc
114	Bad Parameter Missing advertiserName
122	Bad Parameter Invalid ClientId
123	Bad Parameter Invalid scope
203	Subscriber is unreachable
301	Contact information not found
302	Operator not supported; no contact information available
401	Auto-detection was not available for this customer
402	Customer did not consent to mobile detect