

# Hoowla API Docs

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## Auth

Each endpoint within the Hoowla API will require authentication before a valid response is returned (the only exception being the `health-check` endpoint). We manage this by requiring each call to a url to have an api key. The recommended way to supply this is the a `X-API-KEY` http header within the request. Alternatively, it can also be supplied as a url GET parameter (called `key`).

Api keys can be generated within Hoowla from the user's profile area and are associated with individual users. The key you are using will determine the request's permissions level by finding and checking against the user it's linked to. This means if you are writing an integration, each user will need an api key setup so each call will have the correct permissions to get and create information.

Many of the endpoints within this api will also require a user's email address to be passed across along with the api key within the url.

If authentication was not successfully verified, a `401 Unauthorized` response will be returned - looking something like this:

```
{
  "error": "Unauthorized Access",
  "http_code": 401
}
```

If authentication was successful, but you don't have access to view or change a resource you will see a `403 Forbidden` response.

## Content Types

This api is json based, so responses will be returned as json. Endpoints based on the HTTP POST and PUT verbs will often accept requests in either of the mime types: `application/x-www-form-urlencoded` or `application/json`.

## Environments

The url structure in this document will reference `https://app.hoowla.com/` which is the url which should be used when interacting with the live environment and when the integration is complete. For testing purposes, this url should be replaced with `https://hoowladev.herokuapp.com/`.

## Help

Any questions, enquires or improvements about working with this api can be sent to [support@hoowla.com](mailto:support@hoowla.com) where our development team will pick it up and get back to you promptly.

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## QuoteCalc

### QuoteCalc - Generate, Create and Send a Conveyancing Quote.

POST

```
https://app.hoowla.com/api/v2/quote-calc/quote
```

#### Parameter

Field	Type	Description
<code>form_id</code>	String	<b>(required)</b> a quote form identifier ( <code>quoteform_hash</code> ) to generate a quote from.

Field	Type	Description
form_type	Int	<b>(required)</b> the type of quote which is being generated: 1 = Purchase 2 = Sale 3 = Both Purchase and Sale 4 = Remortgage 8 = Transfer of Equity
form_buying_line1	String	<b>Purchase</b> (or p+s), the property's line 1 of the address.
form_buying_line2	String	<b>Purchase</b> (or p+s), the property's line 2 of the address.
form_buying_city	String	<b>Purchase</b> (or p+s), the property's town or city.
form_buying_postcode	String	<b>Purchase</b> (or p+s), the property postcode.
form_buying_value	String	<b>Purchase</b> (or p+s), the property's value (symbols like £ will be removed).
form_buying_holding	Int	<b>Purchase</b> (or p+s), the property's holding: 1 = Freehold 2 = Leasehold
form_buying_mortgaged	Mixed	<b>Purchase</b> (or p+s), if present, quote will be marked as 'Buying With Mortgage'.
form_buying_unregistered	Mixed	<b>Purchase</b> (or p+s), if present, quote will be marked as unregistered.
form_buying_shared_ownership	Mixed	<b>Purchase</b> (or p+s), if present, quote will be marked as shared ownership.
form_buying_new_build	Mixed	<b>Purchase</b> (or p+s), if present, quote will be marked as a new build property.
form_buying_help_to_buy_equity_loan	Mixed	<b>Purchase</b> (or p+s), if present, quote will be marked as using the Help-to-Buy Scheme.
form_buying_help_to_buy_isa	Mixed	<b>Purchase</b> (or p+s), if present, quote will be marked as using the Help-to-Buy ISA.
form_buying_buy_to_let	Mixed	<b>Purchase</b> (or p+s), if present, quote will be marked as a buy-to-let property (also used for Stamp Duty calculations).
form_buying_first_time_buyer	Mixed	<b>Purchase</b> (or p+s), if present, mark quote for first time buyers.
form_buying_right_to_buy	Mixed	<b>Purchase</b> (or p+s), if present, mark quote as right to buy.
form_buying_islamic_mortgage	Mixed	<b>Purchase</b> (or p+s), if present, mark quote as having an islamic mortgage.
form_buying_self_build	Mixed	<b>Purchase</b> (or p+s), if present, mark quote as self build.
form_selling_line1	String	<b>Sale</b> (or p+s)), the property's line 1 of the address.

Field	Type	Description
form_selling_line2	String	<b>Sale</b> (or p+s)), the property's line 2 of the address.
form_selling_city	String	<b>Sale</b> (or p+s)), the property's town or city.
form_selling_postcode	String	<b>Sale</b> (or p+s)), the property postcode.
form_selling_value	String	<b>Sale</b> (or p+s)), the property's value.
form_selling_holding	Int	<b>Sale</b> (or p+s)), the property's holding: 1 = Freehold 2 = Leasehold
form_selling_mortgaged	Mixed	<b>Sale</b> (or p+s)), if this is present quote will be marked as 'Buying With Mortgage'.
form_selling_unregistered	Mixed	<b>Sale</b> (or p+s)), if this is present quote will be marked as unregistered.
form_selling_shared_ownership	Mixed	<b>Sale</b> (or p+s)), if this is present quote will be marked as shared ownership.
form_selling_help_to_buy_equity_loan	Mixed	<b>Sale</b> (or p+s)), if this is present quote will be marked as using the Help-to-Buy Scheme.
form_remortgage_line1	String	<b>Remortgage</b> , the property's line 1 of the address.
form_remortgage_line2	String	<b>Remortgage</b> , the property's line 2 of the address.
form_remortgage_city	String	<b>Remortgage</b> , the property's town or city.
form_remortgage_postcode	String	<b>Remortgage</b> , the property postcode.
form_remortgage_value	String	<b>Remortgage</b> , the property's value.
form_remortgage_newvalue	String	<b>Remortgage</b> , the new mortgage value.
form_remortgage_holding	Int	<b>Remortgage</b> , the property's holding: 1 = Freehold 2 = Leasehold
form_remortgage_unregistered	Mixed	<b>Remortgage</b> , if this field is present the quote will be marked as unregistered.
form_remortgage_shared_ownership	Mixed	<b>Remortgage</b> , if this field is present the quote will be marked as shared ownership.
form_remortgage_help_to_buy_equity_loan	Mixed	<b>Remortgage</b> , if this field is present the quote will be marked as using the Help-to-Buy Scheme.
form_transfer_line1	String	<b>Transfer of equity</b> , the property's line 1 of the address.

Field	Type	Description
form_transfer_line2	String	<b>Transfer of equity</b> , the property's line 2 of the address.
form_transfer_city	String	<b>Transfer of equity</b> , the property's town or city.
form_transfer_postcode	String	<b>Transfer of equity</b> , the property postcode.
form_transfer_value	String	<b>Transfer of equity</b> , the property's value.
form_transfer_holding	Int	<b>Transfer of equity</b> , the property's holding: 1 = Freehold 2 = Leasehold
form_transfer_mortgaged	Mixed	<b>Transfer of equity</b> , will be marked as a mortgage is present.
form_transfer_consideration	Mixed	<b>Transfer of equity</b> , the amount of money at stake.
form_transfer_to_add	Mixed	<b>Transfer of equity</b> , the number of people being added to the deeds.
form_transfer_to_remove	Mixed	<b>Transfer of equity</b> , the number of people being removed from the deeds.
form_answers	int	(wills + LPA only) the answer to questions.
form_will_note	string	(wills + LPA only)show the questions and what was the clients answer
from_title	String	the client's salutation/title.
form_fname	String	<b>(required)</b> the client's first names.
form_lname	String	<b>(required)</b> the client's surname.
form_email	String	<b>(required)</b> the client's email address (must be valid format).
form_phone	String	the client's phone number.
form_client_address_line1	String	the client's address.
form_client_address_line2	String	the client's address.
form_client_address_city	String	the client's address.
form_client_address_county	String	the client's address.
form_client_address_postcode	String	the client's address.

Field	Type	Description
person_send	Int	if set (present) will email the client (the form_email address).

## QuoteCalc - Get Existing Quotes.

Get the data around an existing quote.

GET

https://app.hoowla.com/api/v2/quote-calc/quote?id={id}

### Parameter

Field	Type	Description
id	String	<b>(required)</b> a quote id to get.

- Success-Response: [#success-examples-QuoteCalc-GetQuoteCalcQuoteIdId-2\_0\_1-0]

```
HTTP/1.1 200 OK
{
  "clients": [
    {
      "person_title": "Mr.",
      "person_fname": "John",
      "person_lname": "Doe",
      "person_email": "john.doe@hoowla.com",
      "person_dob": null,
      "person_ni": "",
      "person_gender": 0,
      "person_marital_status": "Married",
      "person_type": 0,
      "person_is_company": false,
      "address_line1": "23 Alexandra Road",
      "address_line2": "",
      "address_city": "SWANSEA",
      "address_county": "",
      "address_postcode": "SA1 4NN",
      "phone_numbers": []
    }
  ],
  "quote": {
    "id": 154900,
    "type": 2,
    "line1": "2 Barons Court Road",
    "line2": "",
    "city": "LONDON",
    "county": "Greater London",
    "postcode": "ID1 1QD",
    "value": 170000,
    "people": 1,
    "holding": 2,
    "region": "england",
    "created": "2018-05-04 11:56:31",
    "expiry": "2018-05-18 11:56:31",
    "title": "DN100",
    "mortgaged": 0,
    "buy_to_let": 0,
    "first_time_buyer": 0,
    "supplements": [
      {
        "name": "Leasehold Fee",
        "fee": "150.00"
      },
      {
        "name": "Repayment of Mortgage",
        "fee": "50.00"
      },
      {
        "name": "VAT at 20%",
```

```

        "fee": "40.00"
    }
  ],
  "disbursements": [
    {
      "name": "Additional leasehold office copy costs",
      "fee": "6.00"
    },
    {
      "name": "ID Verification fee (per person)",
      "fee": "3.70"
    },
    {
      "name": "Office copies",
      "fee": "6.00"
    },
    {
      "name": "OCEs (Title & Plan)",
      "fee": "8.00"
    },
    {
      "name": "Telegraphic Transfer",
      "fee": "33.00"
    }
  ],
  "total_legal_fee_ex": "1.00",
  "total_legal_fee_inc": "1.20",
  "total_ex": "297.90",
  "total_inc": "297.90"
}
}

```

## Tools

### Tools - Check API is Running

Useful for checking if the api is running, this basic endpoint should return a status of 'up'. If something is broken on our end will return a 500. This won't check the authentication on your request.

GET

```
https://app.hoowla.com/api/v2/tools/health-check
```

#### Success 200

Field	Type	Description
status	String	will respond with "up" if the api is running.
http_code	Int	will respond with 200 if everything is ok.

- Success-Response: [#success-examples-Tools-GetToolsHealthCheck-2\_0\_0-0]

```

HTTP/1.1 200 OK
{
  "status": "up",
  "http_code": 200
}

```