

Using the Ubersmith API

Ubersmith API 2.0 is a RESTful web service for communicating with an Ubersmith software installation.

[Ubersmith API Guide v4.6.0 pdf](#) provides documentation on the commands and parameters available in the 2.0 release of the Ubersmith API.

API Sections

The API is broken into several sections, each containing commands having related functions. The sections are:

- uber - Functions of a general nature
- client - Functions related to the management of clients, contacts, services, and invoices
- device - Functions related to the management of devices, monitors, and IP assignments
- order - Functions related to orders
- sales - Functions related to sales opportunities
- support - Functions related to support departments and tickets

Methods within each section are identified using a dot notation, for example, `uber.methods_list`.

API Authentication

The Ubersmith API supports the use of API tokens as well as passwords for authentication. The use of API tokens allows generating separate tokens for each external system accessing the API, and optionally setting an expiration date for the token.

API tokens can be managed from the User Management page in *Settings*, by clicking **edit** in the API Tokens section which displays for any user with API access. Once generated, a token may be used in place of the user's password for API access.

Authentication details are passed to the Ubersmith API via HTTP authentication. If you are using our client class, this is taken care of automatically.

Generating API Documentation

You can generate API documentation, resulting in a .pdf file you can then download.



Note

Generating an API guide is making an API call, so ensure you have API Access set to Yes in the *User Info* section through the **Users** link under *Global Settings - Getting Started*.

1. From a web browser, enter the following address, replacing `<domain.tld>` with the domain for your ubersmith instance: `https://<domain.tld>/api/2.0/?method=uber.documentation`
2. Enter your Ubersmith instance admin username and password.

Using the Ubersmith API

For supported languages, we recommend using our client (see below) for integrating other languages. The Ubersmith API uses standard HTTP requests and return data in JSON format.

The Ubersmith API is accessed through the URL `https://billing.mycompany.com/api/2.0/`, where `billing.mycompany.com` is the address of your Ubersmith installation.

API methods are called by passing the parameter `METHOD` in the URL, like `https://billing.mycompany.com/api/2.0/?method=uber.methods_list`, which returns a list of all available API methods.

Additional parameters are passed to the API as either GET parameters or via standard HTTP POST requests.

Responses are returned in JSON format (with the exception of specialized methods which return raw PDF, Image, XML or HTML data), and include the standard elements:

- status - API call success true/false
- error_code - error code for failed API calls
- error_message - error message for failed API calls
- data - results of API call

API Clients

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PHP

A PHP API client class and example are included in the `api/client/2.0/php` directory of the Ubersmith distribution.

- The file `class.uber_api_client.php` provides the PHP class `uber_api_client`, which can be used to interact with the Ubersmith API 2.0.
- The file `sample.php` provides an example of how to use the class to retrieve data from the API.

Other Languages

As other language implementations become available, they will be included in the `api/client/2.0/` directory. If you have any questions about creating your own client class, or would like to contribute a client class you have written, please contact Ubersmith Support.