

# SpringServe API / SDK

Everything that you can do in the UI can be done using our API!

## REST API

The SpringServe API is a simple REST API that you can use no matter what your favorite programming language is.

### Base Url

<https://console.springserve.com>

## SpringServe SDK

For your (and our) convenience we have created a python interface to our API.

This library makes every part of our API more convenient and intuitive. With SDK you can use:

- Intuitive functions to replace requests and authentication process
- Tab completion to speed up your process and see available fields seamlessly.
- easy-access documentation

Configure and Authorize using your UI login information in one line.

SDK is very compatible with ipython, making the API much more useful for data analysis and debugging via python.

Example of tab completion

```
In [1]: import springserve

In [2]: springserve.<tab>

        springserve.API                springserve.demand_tags          springserve.domain_lists
springserve.quality_reports            springserve.raw_get              springserve.setup_config
springserve.supply_tags                springserve.reports
...

```

See documentation on the function of `supply_tags`

```
In [3]: springserve.supply_tags.get?

Signature: springserve.supply_tags.get(path_param=None, reauth=False, **query_params)
Docstring:
Make a get request to this api service. Allows you to pass in arbitrary query paramaters.

Examples::

# get all supply_tags
tags = springserve.supply_tags.get()

for tag in tags:
    print tag.id, tag.name

# get one supply tag
tag = springserve.supply_tag.get(1)
print tag.id, tag.name

# get by many ids
tags = springserve.supply_tags.get(ids=[1,2,3])

# get users that are account_contacts (ie, using query string # params)
users = springserve.users.get(account_contact=True)
```

Examples of simple functions to replace messy requests, plus more tab completion:

```
# get a supply tag by its id
In [4]: tag = springserve.supply_tags.get(123)

In [5]: tag.<tab>
tag.active          tag.domain_list_ids    tag.player_size_targeting
tag.supply_partner_id
tag.allowed_player_sizes  tag.domain_targeting    tag.rate
tag.supply_type
tag.country_codes        tag.id                  tag.raw
tag.country_targeting    tag.name                tag.save
tag.demand_tag_priorities tag.payment_terms       tag.supply_group_id

# see contents of a field
In [6]: tag.name
Out [6]: "My test tag"

# change the field and save it
In [7]: tag.name = "My new test tag"

In [8]: resp = tag.save()
```

SDK will allow you to work more efficiently, we highly encourage you to use it for all your SpringServe API needs.

Download it from [Github](#)

## End points

You can find information about all of the different API end points below. We show examples of using the REST API as well as SDK for all of them.

- [API - Getting Started](#)
- [App Bundle Lists API](#)
- [App Name Lists API](#)
- [Campaigns API](#)
- [Demand Labels API](#)
- [Demand Partners API](#)
- [Demand Tag API](#)
- [Domain Lists API](#)
- [IP Address Lists API](#)
- [Key-Values API](#)
- [Pagination API](#)
- [Reporting API](#)
- [Segments API](#)
- [Supply Labels API](#)
- [Supply Partners API](#)
- [Supply Tag API](#)
- [Traffic Quality Reporting API](#)