PerformLine Client Library Documentation

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PerformLine Engineering

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CHAPTER 1

Quick Start

This page will offer a quick overview for how to get started with using this library, from installation to basic usage.

1.1 Installation

This library is made available for installation via the PyPi public Python package repository (https://pypi.python.org/pypi/performline/). To install it on your machine, run:

```
pip install performline
```

This will retrieve the latest version of the Python module and install it. This will also install a useful command line utility called `performline`. You can read more about using this command by running `performline --help`.

1.2 Basic Usage: Printing all Brands and Campaigns

```
from performline.client import Client
import json

client = Client("YOUR_API_KEY")

# list all brands
for brand in client.brands():
   print("Brand: {} (id: {})".format(brand.name, brand.id))

   # list all campaigns in the current brand
   for campaign in brand.campaigns():
      print("    Campaign: {}".format(campaign.name))

      # output the full content of each item in the current campaign
      for item in campaign.items():
         print(json.dumps(item._data, indent=4))
```

CHAPTER 2

Developer Guide

This guide is designed to provide an overview of the features and functionality that the PerformLine Python Client Library offers. You can find additional details by choosing from the topics below:

2.1 Using the Client and Retrieving Compliance Data

2.1.1 Overview

Using the PerformMatch Compliance API is fairly straightforward. The API is accessed by way of a `Client()` instance created with your API token (provided by PerformLine Support). The client instance exposes methods that allow you to access the various data associated with your account. To explore these methods, see the second below detailing what can be accessed for each product that we offer.

2.1.2 Products & Data

The methods in the following classes are the primary means of accessing product-specific data and, in general, using the API. These classes are _mixins_, so each of the methods are available on an instance of `Client()`.

Mix-in Classes

Common Account Data

`Client` Methods

class performline.products.common.api.**CommonClientMethods**

Methods for retrieving data common to all products.

brands(*id=None*, *limit=None*, *offset=None*, *create_date=None*)

Retrieve one or more brands associated with an account.

Parameters **id** (*int, optional*) – If specified, retrieve a single brand by the given ID. Otherwise, return all brands.

Returns An instance of *Brand* if id is not *None* representing the brand with that ID. Otherwise, retrieve a list of *Brand* instances of all brands associated with the account.

Raises See request()

campaigns(*id=None*, *limit=None*, *offset=None*, *brand=None*)
Retrieve one or more campaigns associated with an account.

Parameters **id** (*int, optional*) – If specified, retrieve a single campaign by the given ID. Otherwise, return all campaigns.

Returns An instance of *Campaign* if id is not *None* representing the campaign with that ID. Otherwise, retrieve a list of *Campaign* instances of all campaigns associated with the account.

Raises See request()

items(*id=None*, *limit=None*, *offset=None*, *brand=None*, *campaign=None*)
Retrieve one or more scorable items associated with an account.

Parameters **id** (*int, optional*) – If specified, retrieve a single item by the given ID. Otherwise, return all items.

Returns An instance of *Item* if id is not *None* representing the item with that ID. Otherwise, retrieve a list of *Item* instances of all items associated with the account.

Raises See request()

remediation_statuses()
Retrieve all available remediation statuses available in the Performline platform. :returns: An instance of RemediationStatuses,

which has a property returning a list of strings representing the availa

return RemediationStatus.get()

rules(*id=None*, *limit=None*, *offset=None*)
Retrieve one or more rules associated with an account.

Parameters **id** (*int, optional*) – If specified, retrieve a single rule by the given ID. Otherwise, return all rules.

Returns An instance of *Rule* if id is not *None* representing the rule with that ID. Otherwise, retrieve a list of *Rule* instances of all rules associated with the account.

Raises See request()

trafficsources(*id=None*, *limit=None*, *offset=None*)
Retrieve one or more traffic sources associated with an account.

Parameters **id** (*int, optional*) – If specified, retrieve a single traffic source by the given ID. Otherwise, return all traffic sources.

Returns An instance of *TrafficSource* if id is not *None* representing the traffic source with that ID. Otherwise, retrieve a list of *TrafficSource* instances of all traffic sources associated with the account.

Raises See request()

Data Access Models

Models representing common API objects

class performline.products.common.models.**Brand**(*client*, *data=None*, *metadata={}*, *rest_root=None*, *primary_key=None*, *secondary_key=None*)

An object for retrieving data from and working with an individual brand.

class performline.products.common.models.**BrandRules**(*client*, *data=None*, *metadata={}*, *rest_root=None*, *primary_key=None*, *secondary_key=None*)

An object for retrieving data rules for a specific brand.

class performline.products.common.models.**Campaign**(*client*, *data=None*, *metadata={}*, *rest_root=None*, *primary_key=None*, *secondary_key=None*)

An object for retrieving data from and working with an individual campaign.

class performline.products.common.models.**CampaignRules**(*client*, *data=None*, *metadata={}*, *rest_root=None*, *primary_key=None*, *secondary_key=None*)

An object for retrieving data rules for a specific campaign.

class performline.products.common.models.**Item**(*client*, *data=None*, *metadata={}*, *rest_root=None*, *primary_key=None*, *secondary_key=None*)

An object for retrieving data from and working with scorable content, regardless of product.

class performline.products.common.models.**RemediationStatus**(*client*, *data=None*, *metadata={}*, *rest_root=None*, *primary_key=None*, *secondary_key=None*)

An object for retrieving all available remediation statuses in the platform.

class performline.products.common.models.**Rule**(*client*, *data=None*, *metadata={}*, *rest_root=None*, *primary_key=None*, *secondary_key=None*)

An object for retrieving data from and working with an individual rule.

class performline.products.common.models.**TrafficSource**(*client*, *data=None*, *metadata={}*, *rest_root=None*, *primary_key=None*, *secondary_key=None*)

An object for retrieving data from and working with an individual traffic source.

class performline.products.common.models.**Workflow**(*client*, *data=None*, *metadata={}*, *rest_root=None*, *primary_key=None*, *secondary_key=None*)

Web Pages

`Client` Methods

class performline.products.web.api.**WebClientMethods**
Methods for retrieving data from the Web product

webpages(*id=None*, *limit=None*, *offset=None*, *brand=None*, *campaign=None*)
Retrieve one or more web pages registered for processing on an account.

Parameters **id** (*int, optional*) – If specified, retrieve a single page by the given ID. Otherwise, return all pages.

Returns An instance of *WebPage* if `id` is not *None* representing the page with that ID. Otherwise, retrieve a list of *WebPage* instances of all pages associated with the account.

Raises See `request()`

Data Access Models

Models representing Web Page API objects

class performline.products.web.models.**WebPage**(*client*, *data=None*, *metadata={}*, *rest_root=None*, *primary_key=None*, *secondary_key=None*)
An object for retrieving data from and working with an individual page.

Call Center Processing

`Client` Methods

class performline.products.callcenter.api.**CallCenterClientMethods**
Methods for retrieving data from the Call Center product

calls(*id=None*, *limit=None*, *offset=None*, *brand=None*, *campaign=None*)
Retrieve one or more calls associated with an account.

Parameters **id** (*int, optional*) – If specified, retrieve a single call by the given ID. Otherwise, return all calls.

Returns An instance of *Call* if `id` is not *None* representing the call with that ID. Otherwise, retrieve a list of *Call* instances of all calls associated with the account.

Raises See `request()`

Data Access Models

Models representing Call Center API objects

class performline.products.callcenter.models.**Call**(*client*, *data=None*, *metadata={}*, *rest_root=None*, *primary_key=None*, *secondary_key=None*)
An object for retrieving data from and working with an individual call.

Chat Processing

`Client` Methods

class performline.products.chatscout.api.**ChatScoutClientMethods**
Methods for retrieving data from the ChatScout product

chats(*id=None*, *limit=None*, *offset=None*, *brand=None*, *campaign=None*)
Retrieve one or more chats associated with an account.

Parameters **id** (*int, optional*) – If specified, retrieve a single chat by the given ID. Otherwise, return all chats.

Returns An instance of *Chat* if `id` is not *None* representing the chat with that ID. Otherwise, retrieve a list of *Chat* instances of all chats associated with the account.

Raises See `request()`

Data Access Models

Models representing ChatScout API objects

class performline.products.chatscout.models.**Chat**(*client*, *data=None*, *metadata={}*, *rest_root=None*, *primary_key=None*, *secondary_key=None*)
An object for retrieving data from and working with an individual chat.

2.1.3 Client Class Reference

class performline.client.**Client**(*token*, **args*, ***kwargs*)
PerformLine API Client

wrap_response(*response*, *model*, *flat=False*)
Takes a SuccessResponse and returns the results as instances of the given model.

Parameters

- **response** (*SuccessResponse*) – A SuccessResponse object containing the data to be wrapped.
- **model** (*RestModel*) – A subclass of RestModel that should be used
- **creating instances for each result in the response.** (*when*) –
- **flat** (*bool, optional*) – Whether single-element lists should return just that element instead of the list itself.

Returns

If `response` contains zero results, returns *None*.

If `response` has one element and `flat` equals *True*, return the first element as an instance of type `model`.

In all other cases, return a list of instances of type `model`.

CHAPTER 3

API Reference

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