
skillcorner

SkillCorner

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USEFUL LINKS

- **Code:** [skillcorner GitLab](#)
- **Pypi:** [skillcorner PyPI](#)
- **SwaggerUI API Documentation:** [REST API Docs](#)

OVERVIEW

The `SkillcornerClient` is a Python class designed to interact with the Skillcorner API. It provides methods to retrieve and save various data related to competitions, seasons, matches, teams, and players.

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3.1 Getting started

3.1.1 Installation

Before using the `SkillcornerClient`, you need to install it:

```
pip install --upgrade skillcorner
```

Now you need to set up your Skillcorner credentials by adding the following variables to your environment:

- `SKILLCORNER_USERNAME`: Your username
- `SKILLCORNER_PASSWORD`: Your password

3.1.2 How to use it

You can instantiate the `SkillcornerClient` class like so:

```
from skillcorner.client import SkillcornerClient  
  
client = SkillcornerClient()
```

3.1.3 Alternative

If you don't want to set those environment variables you will need to provide your username and password at instantiation. We strongly recommend using environment variables or any other way to avoid having your password in your code.

```
import os  
from skillcorner.client import SkillcornerClient  
  
secret_password = os.getenv('MY_PASSWORD_ENV_VAR')  
client = SkillcornerClient(username='myusername', password=secret_password)
```

3.1.4 Examples

Seasons

Get and print seasons data

```
seasons = client.get_seasons()
pprint(seasons)
```

Competitions

Get and print competition data for season 2023-2024 (season id 28)

```
competitions = client.get_competitions(params={'season': 28})
pprint(competitions)
```

Save competition data to a file

```
client.save_competitions(filepath='competitions_23_24.json', params={'season': 28})
```

Competition editions

Get and print competition editions for FRA Ligue 1 (competition id 3)

```
competition_editions = client.get_competition_editions(competition_id=3)
pprint(competition_editions)
```

Save competition data to a file

```
client.save_competition_editions(competition_id=3, filepath='competition_editions_FRA_
↳Ligue_1.json')
```

We can also filter on the season using the 'params' parameter

```
competition_editions = client.get_competition_editions(competition_id=3, params={'season
↳': 28})
pprint(competition_editions)
```

Matches

Get and print matches for FRA Ligue 1 2023-2024 (competition edition id 548)

```
matches = client.get_matches(params={'competition_edition': 548})
pprint(matches)
```

Save matches to a file

```
client.save_matches(filepath='matches_FRA_Ligue_1_2023_2024.json', params={'competition_
↳edition': 548})
```

Match data

Get and print match data for FRA Ligue 1 2023-2024 - Clermont Foot vs AS Monaco (match id 1023377)

```
match_id = 1023377
match_data = client.get_match(match_id=match_id)
pprint(match_data)
```

Save match data to a file

```
client.save_match(match_id=match_id, filepath=f'match_data_{match_id}.json')
```

Match Tracking Data

Get and print match tracking data (if you have access to the match tracking data API)

```
match_id = 1023377 # FRA Ligue 1 2023-2024 - Clermont Foot vs AS Monaco
match_tracking_data = client.get_match_tracking_data(match_id=match_id)
pprint(match_tracking_data[10000:11000]) # print only the tracking data for frames
↳ 10000 to 11000
```

Save match tracking data to a file

```
client.save_match_tracking_data(match_id=match_id, filepath=f'match_tracking_data_{match_
↳ id}.json')
```

Physical Data

Get and print physical data for FRA Ligue 1 2023-2024 - OGC Nice (team id 70)

```
physical_data = client.get_physical(params={'season': 28, 'team': 70})
pprint(physical_data)
```

Save physical data to a file

```
client.save_physical(filepath='physical.json', params={'season': 28, 'team': 70})
```

In Possession Data

Get and print off-ball running data for FRA Ligue 1 2023-2024 (competition edition id 548)

```
off_ball_runs = client.get_in_possession_off_ball_runs(params={'competition_edition':
↳ 548})
pprint(off_ball_runs)
```

Get and print passing data for FRA Ligue 1 2023-2024 (competition edition id 548)

```
passes = client.get_in_possession_passes(params={'competition_edition': 548})
pprint(passes)
```

Get and print overcoming pressure run data for FRA Ligue 1 2023-2024 (competition edition id 548)

```
pressure_received = client.get_in_possession_on_ball_pressures(params={'competition_
↳edition': 548})
pprint(pressure_received)
```

Dynamic Events

Get file-like object containing off-ball runs events for 2024-03-31 Manchester City Vs Arsenal match (match id 1463739)

```
match_id = 1463739
off_ball_run_events = client.get_dynamic_events_off_ball_runs(match_id=match_id, params={
↳'file_format': 'csv'})
```

Save off-ball runs events CSV file for 2024-03-31 Manchester City Vs Arsenal match (match id 1463739)

```
match_id = 1463739
client.save_dynamic_events_off_ball_runs(match_id=match_id,
                                         filepath=f'{match_id}_off_ball_runs.csv',
                                         params={'file_format': 'csv'})
```

Save off-ball runs events Sportscode XML file for 2024-03-31 Manchester City Vs Arsenal match (match id 1463739)

```
match_id = 1463739
client.save_dynamic_events_off_ball_runs(match_id=match_id,
                                         filepath=f'{match_id}_off_ball_runs.xml',
                                         params={'file_format': 'sportscode-xml'})
```

Save off-ball runs events Focus JSON file for 2024-03-31 Manchester City Vs Arsenal match (match id 1463739)

```
match_id = 1463739
client.save_dynamic_events_off_ball_runs(match_id=match_id,
                                         filepath=f'{match_id}_off_ball_runs.json',
                                         params={'file_format': 'focus-json'})
```

Teams

Get and print teams for FRA Ligue 1 2023-2024 (competition edition id 548)

```
teams = client.get_teams(params={'competition_edition': 548})
pprint(teams)
```

Save team data

```
client.save_teams(filepath='teams_FRA_Ligue_1_2023_2024.json', params={'competition_
↳edition': 548})
```

Get and print team data for OGC Nice (team id 70)

```
team_id = 70
team_data = client.get_team(team_id=team_id)
pprint(team_data)
```

Save team data

```
client.save_team(team_id=team_id, filepath=f'team_{team_id}.json')
```

Players

Get and print players

```
players = client.get_players(params={'search': 'barcola'})
pprint(players)
```

Get and print player data

```
player_id = 68485
player_data = client.get_player(player_id=player_id)
pprint(player_data)
```

Save player data

```
client.save_player(player_id=player_id, filepath=f'player_{player_id}.json')
```

3.2 SkillcornerClient

```
class skillcorner.client.SkillcornerClient(username=None, password=None,
                                           response_log_level=None, *args, **kwargs)
```

Bases: FitRequest

```
get_competition_competition_editions(competition_id: str, params: dict = None, raise_for_status:
                                       bool = True, **kwargs)
```

Retrieve response from /api/competitions/{}/editions/ GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/competitions/competitions_editions_list.

```
get_competition_editions(params: dict = None, raise_for_status: bool = True, **kwargs)
```

Retrieve response from /api/competition_editions/ GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/competition_editions_list.

```
get_competition_rounds(competition_id: str, params: dict = None, raise_for_status: bool = True,
                         **kwargs)
```

Retrieve response from /api/competitions/{}/rounds/ GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/competitions/competitions_rounds_list.

```
get_competitions(params: dict = None, raise_for_status: bool = True, **kwargs)
```

Retrieve response from /api/competitions/ GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/competitions/competitions_list.

```
get_dynamic_events_off_ball_runs(match_id: str, params: dict = None, raise_for_status: bool = True,
                                    **kwargs)
```

Retrieve response from /api/match/{}/dynamic_events/off_ball_runs/ GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/match/match_dynamic_events_off_ball_runs_list.

get_in_possession_off_ball_runs(*params: dict = None, raise_for_status: bool = True, **kwargs*)

Retrieve response from `/api/in_possession/off_ball_runs/` GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/in_possession/in_possession_off_ball_runs_list.

get_in_possession_on_ball_pressures(*params: dict = None, raise_for_status: bool = True, **kwargs*)

Retrieve response from `/api/in_possession/on_ball_pressures/` GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/in_possession/in_possession_on_ball_pressures_list.

get_in_possession_passes(*params: dict = None, raise_for_status: bool = True, **kwargs*)

Retrieve response from `/api/in_possession/passes/` GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/in_possession/in_possession_passes_list.

get_match(*match_id: str, params: dict = None, raise_for_status: bool = True, **kwargs*)

Retrieve response from `/api/match/{ }/` GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/match/match_read.

get_match_data_collection(*match_id: str, params: dict = None, raise_for_status: bool = True, **kwargs*)

Retrieve response from `/api/match/{ }/data_collection/` GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/match/match_data_collection_read.

get_match_tracking_data(*match_id: str, params: dict = None, raise_for_status: bool = True, **kwargs*)

Retrieve response from `/api/match/{ }/tracking/` GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/match/match_tracking_list.

get_matches(*params: dict = None, raise_for_status: bool = True, **kwargs*)

Retrieve response from `/api/matches/` GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/matches/matches_list.

get_physical(*params: dict = None, raise_for_status: bool = True, **kwargs*)

Retrieve response from `/api/physical/` GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/physical/physical_list.

get_player(*player_id: str, params: dict = None, raise_for_status: bool = True, **kwargs*)

Retrieve response from `/api/players/{ }/` GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/players/players_read.

get_players(*params: dict = None, raise_for_status: bool = True, **kwargs*)

Retrieve response from `/api/players/` GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/players/players_list.

get_seasons(*params: dict = None, raise_for_status: bool = True, **kwargs*)

Retrieve response from `/api/seasons/` GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/seasons/seasons_list.

get_team(*team_id: str, params: dict = None, raise_for_status: bool = True, **kwargs*)

Retrieve response from `/api/teams/{ }/` GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/teams/teams_read.

get_teams(*params: dict = None, raise_for_status: bool = True, **kwargs*)

Retrieve response from `/api/teams/` GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/teams/teams_list.

save_competition_competition_editions(*competition_id: str, filepath: str, params: dict = None, raise_for_status: bool = True, **kwargs*)

Retrieve response from `/api/competitions/{ }/editions/` GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/competitions/competitions_editions_list. Saves the data to a file.

- save_competition_editions**(*filepath: str, params: dict = None, raise_for_status: bool = True, **kwargs*)
Retrieve response from /api/competition_editions/ GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/competition_editions_list. Saves the data to a file.
- save_competition_rounds**(*competition_id: str, filepath: str, params: dict = None, raise_for_status: bool = True, **kwargs*)
Retrieve response from /api/competitions/{}/rounds/ GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/competitions/competitions_rounds_list. Saves the data to a file.
- save_competitions**(*filepath: str, params: dict = None, raise_for_status: bool = True, **kwargs*)
Retrieve response from /api/competitions/ GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/competitions/competitions_list. Saves the data to a file.
- save_dynamic_events_off_ball_runs**(*match_id: str, filepath: str, params: dict = None, raise_for_status: bool = True, **kwargs*)
Retrieve response from /api/match/{}/dynamic_events/off_ball_runs/ GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/match/match_dynamic_events_off_ball_runs_list. Saves the data to a file.
- save_in_possession_off_ball_runs**(*filepath: str, params: dict = None, raise_for_status: bool = True, **kwargs*)
Retrieve response from /api/in_possession/off_ball_runs/ GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/in_possession/in_possession_off_ball_runs_list. Saves the data to a file.
- save_in_possession_on_ball_pressures**(*filepath: str, params: dict = None, raise_for_status: bool = True, **kwargs*)
Retrieve response from /api/in_possession/on_ball_pressures/ GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/in_possession/in_possession_on_ball_pressures_list. Saves the data to a file.
- save_in_possession_passes**(*filepath: str, params: dict = None, raise_for_status: bool = True, **kwargs*)
Retrieve response from /api/in_possession/passses/ GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/in_possession/in_possession_passes_list. Saves the data to a file.
- save_match**(*match_id: str, filepath: str, params: dict = None, raise_for_status: bool = True, **kwargs*)
Retrieve response from /api/match/{}/ GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/match/match_read. Saves the data to a file.
- save_match_data_collection**(*match_id: str, filepath: str, params: dict = None, raise_for_status: bool = True, **kwargs*)
Retrieve response from /api/match/{}/data_collection/ GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/match/match_data_collection_read. Saves the data to a file.
- save_match_tracking_data**(*match_id: str, filepath: str, params: dict = None, raise_for_status: bool = True, **kwargs*)
Retrieve response from /api/match/{}/tracking/ GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/match/match_tracking_list. Saves the data to a file.
- save_matches**(*filepath: str, params: dict = None, raise_for_status: bool = True, **kwargs*)
Retrieve response from /api/matches/ GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/matches/matches_list. Saves the data to a file.
- save_physical**(*filepath: str, params: dict = None, raise_for_status: bool = True, **kwargs*)
Retrieve response from /api/physical/ GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/physical/physical_list. Saves the data to a file.

save_player(*player_id: str, filepath: str, params: dict = None, raise_for_status: bool = True, **kwargs*)

Retrieve response from `/api/players/{ }/` GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/players/players_read. Saves the data to a file.

save_players(*filepath: str, params: dict = None, raise_for_status: bool = True, **kwargs*)

Retrieve response from `/api/players/` GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/players/players_list. Saves the data to a file.

save_seasons(*filepath: str, params: dict = None, raise_for_status: bool = True, **kwargs*)

Retrieve response from `/api/seasons/` GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/seasons/seasons_list. Saves the data to a file.

save_team(*team_id: str, filepath: str, params: dict = None, raise_for_status: bool = True, **kwargs*)

Retrieve response from `/api/teams/{ }/` GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/teams/teams_read. Saves the data to a file.

save_teams(*filepath: str, params: dict = None, raise_for_status: bool = True, **kwargs*)

Retrieve response from `/api/teams/` GET request. To learn more about it go to: https://skillcorner.com/api/docs/#/teams/teams_list. Saves the data to a file.

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