
NHL API Wrapper

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Ever had a project idea that looks to take advantage of the NHL API, but you don't know where to start because there's no documentation?

Look no further!

This api wrapper was developed to make grabbing and using that data a snap!

Here's what you get:

1. A few classes to make this simple
2. Built in methods on those classes, to make the data gathering a breeze

For questions or suggestions please create an issue @ <https://github.com/branks42/easy-nhl>

INSTALLATION

1.1 Requirements

- Python 3. Yes, we have completely ignored Python 2. Sorry, not sorry.

1.2 Installing the package

pip install nhl-api-wrapper

1.3 Examples

That's it! To test, you can run python and try the following:

```
from easy_nhl import Team
print(Team().teams)
```

This will give you a payload of all current and former NHL teams (A list of dicts). You can then use the Team class to get rosters and more information as follows:

```
from easy_nhl import Team
sabres = Team(7)
print(sabres.roster())
```

I will go into more detail in the classes section of the documentation.

CONFERENCE

This class will give you access to the Conference endpoints of the NHL API.
There are only 2 methods available to this class.

2.1 All conferences

This will return a list of all conferences in the league.

Usage

```
from easy_nhl import Conference  
  
all_conferences = Conference().all_conferences()
```

2.2 Details

This will return information of a given conference id.

Usage

```
from easy_nhl import Conference  
  
eastern = Conference().details(6)
```


DIVISION

Much like Conference, this class will give you access to the Division endpoints of the NHL API. There are only 2 methods available to this class.

3.1 All Divisions

This will return a list of all divisions in the league.

Usage

```
..code-block:: python
    from easy_nhl import Division
    all_divisions = Division().all_divisions()
```

3.2 Details

This will return information of a given division id.

Usage

```
from easy_nhl import Division
atlantic = Division().details(17)
```


SCHEDULE

Starting to dig into the good stuff now! Schedule endpoint access!

There are 4 methods available to this class.

4.1 Today

This will return the NHL schedule for today's date.

Usage

```
from easy_nhl import Schedule

schedule = Schedule()
todays_schedule = schedule.today()

# You can also get today's schedule for a particular team by passing in
↳ their team id
sabres_scheduled_today = schedule.today(7)
```

4.2 Date

This will return the NHL schedule for a given date. (Note: date must be passed in in 'YYYY-MM-DD' format)

Usage

```
from easy_nhl import Schedule

schedule = Schedule()

first_day_of_season = schedule.date('2021-01-13')

# You can also get an individual team's schedule for a given date by passing
↳ in their team id.
sabres_sens_wild_game_1 = schedule.date('2006-05-05', 7)
```

4.3 Linescore

This will fetch more detailed scoring information for games on a given date. (Defaults to today)

Usage

```
from easy_nhl import Schedule

schedule = Schedule()

more_stats = schedule.linescore() # Defaults to today

# You can also get an individual teams linescore for a given date
sabres_sens_wild_game_1_more_data = schedule.linescore('2006-05-05', 7)
```

4.4 Tickets

This will fetch ticket information for games on a given date. (Defaults to today)

Usage

```
from easy_nhl import Schedule

schedule = Schedule()

ticket_info = Schedule.tickets()

# You can specify dates and team as well

sabres_tickets = schedule.tickets('2021-10-05', 7)
```

Game endpoints! Hizzah! *Note: You will need a game id to instantiate this class.*

There are 3 methods available to this class.

5.1 Boxscore

This will get the boxscore data of a given game id.

Usage

```
from easy_nhl import Schedule, Game

schedule = Schedule()

# Let's get a game id
todays_game = schedule.today(7)
game_pk = todays_game[0]['gamePk']

# Here we can instantiate our Game class
sabres_capitals = Game(game_pk)

boxscore = sabres_capitals.boxscore()
```

5.2 Live Feed All Stats

This will get the live feed data of a given game id.

Usage

```
from easy_nhl import Schedule, Game

schedule = Schedule()

# Let's get a game id
todays_game = schedule.today(7)
game_pk = todays_game[0]['gamePk']

# Here we can instantiate our Game class
sabres_capitals = Game(game_pk)

live_feed_stats = sabres_capitals.live_feed_all_stats()
```

5.3 Highlights and Media

This will get the highlights and media snippets of a given game id.

Usage

```
from easy_nhl import Schedule, Game

schedule = Schedule()

# Let's get a game id
todays_game = schedule.today(7)
game_pk = todays_game[0]['gamePk']

# Here we can instantiate our Game class
sabres_capitals = Game(game_pk)

highlights = sabres_capitals.highlights_and_media()
```


TEAM

Team endpoints! So much data!

There are 5 class methods available, and one class attribute which will return all teams.

6.1 self.teams

List out all teams available.

Usage

```
from easy_nhl import Team

all_teams = Team().teams
```

6.2 Team Info

Get info of a given team id.

Usage

```
from easy_nhl import Team

sabres = Team(7)

sabres_info = sabres.team_info()
```

6.3 Roster

Get the roster of a given team id.

Usage

```
from easy_nhl import Team

sabres = Team(7)
sabres_roster = sabres.roster()

# We can also get historical rosters by passing in a season
sabres_roster_05 = sabres.roster('20052006')
```

6.4 Next Game

Get a given team's next scheduled game.

Usage

```
from easy_nhl import Team

sabres = Team(7)

sabres_next = sabres.next_game()
```

6.5 Previous Game

Get a given team's previous scheduled game.

Usage

```
from easy_nhl import Team

sabres = Team(7)

sabres_prev = sabres.previous_game()
```

6.6 Season Stats

Get a given teams current season stats.

Usage

```
from easy_nhl import Team

sabres = Team(7)
sabres_stats = sabres.season_stats()

# We can also get historical stats by passing in a season
sabres_stats_05 = sabres.season_stats('20052006')
```

PLAYER

This is the motherload. All player stats and information available from the NHL API. *Note: You need a player id to instantiate this class*

This class has 13 methods.

7.1 Player Info

Get player information.

Usage

```
from easy_nhl import Team, Player

# We can use the team roster to get a player id.
for player in Team(7).roster():
    if player['person']['fullName'] == 'Jack Eichel':
        eichel_id = player['person']['id']

# Now we can get Jack's info
eichel = Player(eichel_id)
eichel_info = eichel.player_info()
```

7.2 Season Stats

Get a player's stats from the provided season.

You can provide a season to search for this method, but it must be passed as '20192020' for any given season.

Usage

```
from easy_nhl import Team, Player

# We can use the team roster to get a player id.
for player in Team(7).roster():
    if player['person']['fullName'] == 'Jack Eichel':
        eichel_id = player['person']['id']

# Now we can get Jack's season stats
eichel = Player(eichel_id)
eichel_current_season = eichel.season_stats()
```

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```
# Or we can check previous season_stats
eichel_rookie_stats = eichel.season_stats('20152016')
```

7.3 Goals By Game Situation

Get goals of a given player with details of the game situation in which they were scored.

You can provide a season to search for this method, but it must be passed as '20192020' for any given season.

Usage

```
from easy_nhl import Team, Player

# We can use the team roster to get a player id.
for player in Team(7).roster():
    if player['person']['fullName'] == 'Jack Eichel':
        eichel_id = player['person']['id']

# Now we can get Jack's goals by game situation
eichel = Player(eichel_id)
eichel_current_gbgs = eichel.goals_by_game_situation()

# Or we can check previous season gbgs
eichel_rookie_gbgs = eichel.goals_by_game_situation('20152016')
```

7.4 Win Loss Record

Get a goalies win loss record for a current season

You can provide a season to search for this method, but it must be passed as '20192020' for any given season.

Usage

```
from easy_nhl import Team, Player

# We can use the team roster to get a player id.
for player in Team(7).roster():
    if player['person']['fullName'] == 'Linus Ullmark':
        ullmark_id = player['person']['id']

# Now we can get Ullmark's win/loss record
ullmark = Player(ullmark_id)
ullmark_win_loss = ullmark.win_loss_record()

# Or we can check previous season gbgs
ullmark_win_loss_last = ullmark.win_loss_record('20192020')
```

7.5 Home Away Stats

Get a players stats broken up by home and away games.

You can provide a season to search for this method, but it must be passed as '20192020' for any given season.

Usage

```
from easy_nhl import Team, Player

# We can use the team roster to get a player id.
for player in Team(7).roster():
    if player['person']['fullName'] == 'Jack Eichel':
        eichel_id = player['person']['id']

# Now we can get Jack's stats by home away
eichel = Player(eichel_id)
eichel_current_has = eichel.home_away_stats()

# Or we can check previous season home away
eichel_rookie_has = eichel.home_away_stats('20152016')
```

7.6 Stats Split By Month

Get a players stats broken up by month.

You can provide a season to search for this method, but it must be passed as '20192020' for any given season.

Usage

```
from easy_nhl import Team, Player

# We can use the team roster to get a player id.
for player in Team(7).roster():
    if player['person']['fullName'] == 'Jack Eichel':
        eichel_id = player['person']['id']

# Now we can get Jack's stats split by month
eichel = Player(eichel_id)
eichel_current_month_split = eichel.stats_split_by_month()

# Or we can check previous season split by month
eichel_rookie_month_split = eichel.stats_split_by_month('20152016')
```

7.7 Stats Split By Day of Week

Get a players stats broken up by day of week.

You can provide a season to search for this method, but it must be passed as '20192020' for any given season.

Usage

```
from easy_nhl import Team, Player

# We can use the team roster to get a player id.
for player in Team(7).roster():
    if player['person']['fullName'] == 'Jack Eichel':
        eichel_id = player['person']['id']

# Now we can get Jack's stats split by day of week
eichel = Player(eichel_id)
eichel_current_dow_split = eichel.stats_split_by_day_of_week()

# Or we can check previous season split by day of week
eichel_rookie_daw_split = eichel.stats_split_by_day_of_week('20152016')
```

7.8 Stats Split By Division

Get a players stats broken up by Division.

You can provide a season to search for this method, but it must be passed as '20192020' for any given season.

Usage

```
from easy_nhl import Team, Player

# We can use the team roster to get a player id.
for player in Team(7).roster():
    if player['person']['fullName'] == 'Jack Eichel':
        eichel_id = player['person']['id']

# Now we can get Jack's stats split by division
eichel = Player(eichel_id)
eichel_current_division_split = eichel.stats_split_by_division()

# Or we can check previous season split by division
eichel_rookie_division_split = eichel.stats_split_by_division('20152016')
```

7.9 Stats Split By Conference

Get a players stats broken up by Conference.

You can provide a season to search for this method, but it must be passed as '20192020' for any given season.

Usage

```
from easy_nhl import Team, Player

# We can use the team roster to get a player id.
for player in Team(7).roster():
    if player['person']['fullName'] == 'Jack Eichel':
        eichel_id = player['person']['id']

# Now we can get Jack's stats split by conference
eichel = Player(eichel_id)
eichel_current_conference_split = eichel.stats_split_by_conference()
```

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```
# Or we can check previous season split by conference
eichel_rookie_conference_split = eichel.stats_split_by_conference('20152016')
```

7.10 Stats Split By Team

Get a players stats broken up by Team.

You can provide a season to search for this method, but it must be passed as '20192020' for any given season.

Usage

```
from easy_nhl import Team, Player

# We can use the team roster to get a player id.
for player in Team(7).roster():
    if player['person']['fullName'] == 'Jack Eichel':
        eichel_id = player['person']['id']

# Now we can get Jack's stats split by team
eichel = Player(eichel_id)
eichel_current_team_split = eichel.stats_split_by_team()

# Or we can check previous season split by team
eichel_rookie_team_split = eichel.stats_split_by_team('20152016')
```

7.11 Stats Split By Game

Get a players stats broken up by Game.

You can provide a season to search for this method, but it must be passed as '20192020' for any given season.

Usage

```
from easy_nhl import Team, Player

# We can use the team roster to get a player id.
for player in Team(7).roster():
    if player['person']['fullName'] == 'Jack Eichel':
        eichel_id = player['person']['id']

# Now we can get Jack's stats split by game
eichel = Player(eichel_id)
eichel_current_game_split = eichel.stats_split_by_game()

# Or we can check previous season split by game
eichel_rookie_game_split = eichel.stats_split_by_game('20152016')
```

7.12 Stats Standings

Get a players stats standings.

You can provide a season to search for this method, but it must be passed as '20192020' for any given season.

Usage

```
from easy_nhl import Team, Player

# We can use the team roster to get a player id.
for player in Team(7).roster():
    if player['person']['fullName'] == 'Jack Eichel':
        eichel_id = player['person']['id']

# Now we can get Jack's stats standings
eichel = Player(eichel_id)
eichel_current_standings = eichel.stats_standings()

# Or we can check previous season stats standings
eichel_rookie_standings = eichel.stats_standings('20152016')
```

7.13 Stats on Pace For

Get a players projected stats. Only works for current season.

Usage

```
from easy_nhl import Team, Player

# We can use the team roster to get a player id.
for player in Team(7).roster():
    if player['person']['fullName'] == 'Jack Eichel':
        eichel_id = player['person']['id']

# Now we can get Jack's pace
eichel = Player(eichel_id)
eichel_pace = eichel.stats_on_pace_for()
```


INDICES AND TABLES

- `genindex`
- `modindex`
- `search`