

# Elite Prospects API Manual

## Revision History

Version	Date Updated	Description
v.1	2017-07-01	First version
v.2	2018-03-30	Information about offset parameter added

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## 1. Elite Prospects API – Introduction

The Elite Prospects API provides you access to all hockey stats from Eliteprospects.com, the world's leading hockey stats database. The database includes close to 600,000 players, updated by the EP Staff community and partner leagues that supply us with daily updated stats.

All API responses are in the JSON-format, making it easy to work with for both Web and Mobile applications.

### 1.1 Interactive Documentation

<http://menmo.github.io/eliteprospects-api-documentation/>

## 2. API Calls - General Information

Most API calls includes the filter, sort and fields query parameters that makes it easy to customize the response.

### 2.1 Filter

Is used when you want to filter the response on some specific property. The syntax is `property=value1,value2,value3`. The property is defined using dot notation based on the response object (e.g. `country.iso-3166-2`). If you want multiple properties wrap it within parenthesis `filter=(division.gameType=REGULAR_SEASON&name=nhl)`.

**Note:** Don't forget to URL encode it  
(`division.gameType%3DREGULAR_SEASON%26name%3Dnhl`)

### 2.2 Sort

Is used to sort the response. The syntax is `sort=property:asc|desc` e.g. `sort=name:desc`

### 2.3 Fields

Is used to define what fields in the response that shall be returned. The syntax is `fields=firstName,lastName,country.name`

### 2.4 Offset

The offset parameter is used when you make larger calls. The maximum limit is 1000, so if you need to retrieve more rows than that, you can use the offset parameter and make a second call. Example:

First call: `limit=1000&offset=0`

Second call: `limit=1000&offset=1000` etc.

### 3. API Cookbook

This is a collection of receipts for the most common API use cases. Please refer the interactive documentation for detailed specification of response objects and query parameters.

#### 3.1 Gettings Latest Transfers

You want to access the latest transfers as seen on the main page of eliteprospect.com.

##### Receipt

Query the transfers endpoint with "transferProbability=CONFIRMED" and "transferType=TRANSFER" filters, sorted by "transferDate:desc" and "id:desc":

```
http://api.eliteprospects.com/beta/transfers?filter=transferType%3DTRANSFER%26transferProbability%3DCONFIRMED&sort=transferDate%3Adesc%2Cid%3Adesc
```

The response includes the player object, to- and from-team objects and transfer date.

##### Discussion

Transfers are created by the EP Staff and set to "CONFIRMED" or "RUMORED" and a transfer date. A new transfer automatically gets a higher "id" than the previous, so by sorting by "id" you get transfers in creation order. There is no straightforward way of accessing transfers created in the last 24h.

There are different types of transfers, defined by the "transferType" property: "TRANSFER", "LOAN", "CONTRACT\_EXTENSION", and "RETURNS".

#### 3.2 Getting Peter Forsberg's Career Stats

You want the complete Peter Forsberg career stats sorted by season.

##### Receipt

In order to get the career stats for a specific player, you need the player's EPID (Eliteprospects ID). The easiest way to get the EPID is by searching for the player at eliteprospects.com and extract the EPID from the URL of the player page. The EPID is the last digits (710).

To get career stats, query the playerstats endpoint with a "player.id=710" filter, sorted by "season.startYear:asc".

```
http://api.eliteprospects.com/beta/playerstats?filter=player.id%3D710&sort=season.startYear%3Aasc
```

##### Discussion

The query returns a list of PlayerStats objects. Each object represents the player's stats for a specific League, Season, GameType and Team. For example, if you just want Peter Forsberg's NHL playoff stats, filter by "gameType=PLAYOFFS&league.id=7". The NHL league ID is 7.

### 3.3 Getting NHL Top 5 Scorers 2013-2014

You want to get the top 5 scorers (total points) for the 2013-14 NHL season.

#### Receipt

The NHL league ID is 7 and 2013-14 season ID is 124. Query playerstats with a "league.id=7&season.id=124&gameType=REGULAR\_SEASON" filter, sorted by "TP:desc" and with "limit=5".

```
http://api.eliteprospects.com/beta/playerstats?filter=league.id%3D7%26season.id%3D124%26gameType%3DREGULAR_SEASON&sort=TP%3Adesc&limit=5
```

### 3.4 Getting EPID for an NHL player by name

You want to get the EPID (Eliteprospects ID) for an NHL player so that you can access the player's complete EP profile.

#### Receipt

Lets say you want the EPID for Sidney Crosby. Use the search endpoint with "q=Sidney Crosby" and "type=player" to restrict the search to only players (not teams). Since the search result includes the LatestPlayerStats object, we can use that to filter on NHL players, "filter=latestPlayerStats.league.id=7".

```
http://api.eliteprospects.com/beta/search?type=player&q=Sidney Crosby&filter=latestPlayerStats.league.id=7
```

#### Discussion

Sidney Crosby is a simple example, since you only get one hit. If, instead, we try "Corey Perry" we'll get >50 results because "Perry" is a common name. In this case, since we know Corey Perry is born in 1985, we can restrict the query to players born that year.

```
http://api.eliteprospects.com/beta/search?type=player&q=Sidney Crosby&filter=latestPlayerStats.league.id=7&yearOfBirth=
```

## 4. Examples of API Calls

Get player data	<a href="http://api.eliteprospects.com/beta/players/233512?apikey=&lt;api-key&gt;">http://api.eliteprospects.com/beta/players/233512?apikey=&lt;api-key&gt;</a>
Get regular season stats for a player	<a href="http://api.eliteprospects.com/beta/playerstats?filter=player.id%3D286738%26gameType%3DREGULAR_SEASON&amp;apikey=&lt;api-key&gt;">http://api.eliteprospects.com/beta/playerstats?filter=player.id%3D286738%26gameType%3DREGULAR_SEASON&amp;apikey=&lt;api-key&gt;</a>
Get last season's stats for player	<a href="http://api.eliteprospects.com/beta/players/233512/stats?season=2016-2017&amp;apikey=&lt;api-key&gt;">http://api.eliteprospects.com/beta/players/233512/stats?season=2016-2017&amp;apikey=&lt;api-key&gt;</a> or <a href="http://api.eliteprospects.com/beta/players/233512/stats?filter=season.name=2016-2017&amp;apikey=&lt;api-key&gt;">http://api.eliteprospects.com/beta/players/233512/stats?filter=season.name=2016-2017&amp;apikey=&lt;api-key&gt;</a>
Filter player stats in a league based on player age	<a href="http://api.eliteprospects.com/beta/leagues/33/playerstats?season=2016-2017&amp;filter=player.yearOfBirth=2001&amp;sort=TP:desc,G:desc,GP&amp;fields=player.id,player.firstName,player.lastName,GP,G,A,TP,PM,PIM,GGP,team.id,team.name&amp;limit=1000&amp;offset=0&amp;apikey=&lt;api-key&gt;">http://api.eliteprospects.com/beta/leagues/33/playerstats?season=2016-2017&amp;filter=player.yearOfBirth=2001&amp;sort=TP:desc,G:desc,GP&amp;fields=player.id,player.firstName,player.lastName,GP,G,A,TP,PM,PIM,GGP,team.id,team.name&amp;limit=1000&amp;offset=0&amp;apikey=&lt;api-key&gt;</a>
Top scorers in a league	<a href="http://api.eliteprospects.com/beta/leagues/1/playerstats?season=2015-2016&amp;sort=TP:desc,G:desc,GP&amp;fields=player.id,player.firstName,player.lastName,GP,G,A,TP,PM,PIM,GGP,team.id,team.name&amp;apikey=&lt;api-key&gt;">http://api.eliteprospects.com/beta/leagues/1/playerstats?season=2015-2016&amp;sort=TP:desc,G:desc,GP&amp;fields=player.id,player.firstName,player.lastName,GP,G,A,TP,PM,PIM,GGP,team.id,team.name&amp;apikey=&lt;api-key&gt;</a>
Top scorers on a team	<a href="http://api.eliteprospects.com/beta/teams/35/playerstats?season=2015-2016&amp;sort=TP:desc,G:desc,GP&amp;fields=player.id,player.firstName,player.lastName,GP,G,A,TP,PM,PIM,GGP&amp;apikey=&lt;api-key&gt;">http://api.eliteprospects.com/beta/teams/35/playerstats?season=2015-2016&amp;sort=TP:desc,G:desc,GP&amp;fields=player.id,player.firstName,player.lastName,GP,G,A,TP,PM,PIM,GGP&amp;apikey=&lt;api-key&gt;</a>
List all hockey leagues	<a href="http://api.eliteprospects.com/beta/leagues?filter=searchable%3Dtrue&amp;apikey=&lt;api-key&gt;">http://api.eliteprospects.com/beta/leagues?filter=searchable%3Dtrue&amp;apikey=&lt;api-key&gt;</a>
Exclude NHL stats from player	<a href="http://api.eliteprospects.com/beta/players/710/stats?filter=(league.name!=NHL)&amp;apikey=&lt;api-key&gt;">http://api.eliteprospects.com/beta/players/710/stats?filter=(league.name!=NHL)&amp;apikey=&lt;api-key&gt;</a>
Exclude Cup stats from player	<a href="http://api.eliteprospects.com/beta/players/710/stats?filter=(gameType!=CUP)&amp;apikey=&lt;api-key&gt;">http://api.eliteprospects.com/beta/players/710/stats?filter=(gameType!=CUP)&amp;apikey=&lt;api-key&gt;</a>
Exclude NHL and Cup stats from player	<a href="http://api.eliteprospects.com/beta/players/710/stats?filter=(league.name!=NHL%26gameType!=CUP)&amp;apikey=&lt;api-key&gt;">http://api.eliteprospects.com/beta/players/710/stats?filter=(league.name!=NHL%26gameType!=CUP)&amp;apikey=&lt;api-key&gt;</a>
Get latest transfers from European teams	<a href="http://api.eliteprospects.com/beta/transfers?filter=%28fromTeam.country.continent=EUROPE toTeam.country.continent=EUROPE%29&amp;sort=transferDate:desc,id:desc&amp;limit=10&amp;apikey=&lt;api-key&gt;">http://api.eliteprospects.com/beta/transfers?filter=%28fromTeam.country.continent=EUROPE toTeam.country.continent=EUROPE%29&amp;sort=transferDate:desc,id:desc&amp;limit=10&amp;apikey=&lt;api-key&gt;</a>
Get women's hockey transfers	<a href="http://api.eliteprospects.com/beta/transfers?filter=transferType=TRANSFER%26transferProbability=CONFIRMED%26player.gender=FEMALE&amp;sort=transferDate%3Adesc,id%3Adesc&amp;apikey=&lt;api-key&gt;">http://api.eliteprospects.com/beta/transfers?filter=transferType=TRANSFER%26transferProbability=CONFIRMED%26player.gender=FEMALE&amp;sort=transferDate%3Adesc,id%3Adesc&amp;apikey=&lt;api-key&gt;</a>
List NHL Draft selections	<a href="http://api.eliteprospects.com/beta/drafts?limit=300&amp;filter=draftType.id=1%26year=2016&amp;sort=overall:asc&amp;apikey=&lt;api-key&gt;">http://api.eliteprospects.com/beta/drafts?limit=300&amp;filter=draftType.id=1%26year=2016&amp;sort=overall:asc&amp;apikey=&lt;api-key&gt;</a>

## 5. EP API in use Today

More than 100 websites and apps are using the Elite Prospects API. Below are examples of EP related products that are completely built using the API:

Elite Prospects Tooltips

<http://menmo.github.io/eliteprospects-tooltips/>

Elite Prospects Link Generator for Wordpress

<https://wordpress.org/plugins/eliteprospects-player-link/>

Test Website

<http://beta.eliteprospects.com/>

Android Application

<https://play.google.com/store/apps/details?id=com.eliteprospects>

iOS Application

<https://itunes.apple.com/app/id888237142?mt=8>

## 6. Response Elements

Below is a detailed description of elements when retrieving player stats, the most central and used API call. For more details about other calls, please refer to the interactive documentation: <http://menmo.github.io/eliteprospects-api-documentation>

#	Key	Data Type	Values	Example Value	Description
1	data	array	-	-	List of player stats
1.1	id	number	1--n	5878	Player Stats ID
1.2	playerPosition	string	SKATER, GOALIE	SKATER	Skater or goalie
1.3	gameType	string	REGULAR_SEASON, <b>PLAYOFFS</b> , <b>QUALIFYING</b> , <b>CUP</b> , <b>TOURNAMENT</b> , <b>FRIENDLY</b> , <b>RELEGATION</b>	REGULAR_SEASON	Game type
1.4	season	Season object	-	-	Season
1.4.1	name	string	-	1993-1994	Season name
1.4.2	startYear	number	4 digit	1993	Season start year

1.4.3	endYear	number	4 digit	1194	Season end year
1.5	league	League object	-	-	League
1.5.1	id	number	1-n	1	League ID
1.5.2	name	string	alpha	SHL	League name
1.5.3	fullName	string	alpha	Sweish Hockey League	Full league name
1.5.4	gameType	string	REGULAR_SEASON, <b>PLAYOFFS</b> , <b>QUALIFYING</b> , <b>CUP</b> , <b>TOURNAMENT</b> , <b>FRIENDLY</b> , <b>RELEGATION</b>	REGULAR_SEASON	Game type
1.5.5	teamClass	string	MEN, WOMEN, MIXED	MEN	Team class
1.5.6	teamType	string	CLUB, NATIONAL	CLUB	Team type
1.5.7	country	Country object	-	-	Country
1.5.7.1	id	number	1-n	1	Country ID
1.5.7.2	name	string	alpha	Sweden	Country name
1.5.7.3	abbreviation	string	alpha	SWE	Country abbreviation
1.5.7.4	iso3166_2	string	alpha	SE	ISO-3166-2 code for Country
1.5.7.5	iso3166_3	string	alpha	SWE	ISO-3166-3 code for Country
1.5.7.6	continent	string	alpha	EUROPE	Contient
1.6	team	Team object	-	-	Team
1.6.1	id	number	1-n	9	Team ID
1.6.2	name	string	alpha	MOD0 Hockey	Team name

1.6.3	fullName	string	alpha	MODO	Full team name
1.6.4	teamClass	string	MEN, WOMEN, MIXED	MEN	Team class
1.6.5	teamType	string	CLUB, NATIONAL	CLUB	Team type
1.6.6	country	Country object	See 1.5.7	See 1.5.7	Country
1.6.7	locality	Locality object	-	-	Locality for team
1.6.7.1	id	number	1-n	199	Locality ID
1.6.7.2	name	string	alpha	Örnsköldsvik	City name
1.6.7.3	localityType	string	MUNICIPALITY, STATE, CITY	CITY	Locality type
1.6.7.4	country	Country object	See 1.5.7	See 1.5.7	Country
1.7	jerseyNumber	number	-	21	Jersey number

1.8	GP	number	0-n	39	Games played
1.9	G	number	0-n	18	Goals Only for SKATERS
1.10	A	number	0-n	26	Assists Only for SKATERS
1.11	TP	number	0-n	44	Total points Only for SKATERS
1.12	PIM	number	0-n	82	Penalties in minutes Only for SKATERS
1.13	PM	number	-n to +n	14	Plus minus rating Only for SKATERS
1.14	PPG	number	0-n	1.13	Points per game Only for SKATERS
1.15	GAA	number	0-n	2.73	Goals against average Only for GOALIES
1.16	SVP	number	0-1	0.91	Saves 0.000--1.000 Only for GOALIES
1.17	updated	datetime	ISO 8601	2014-05-22T21:15:07Z	Last updated

## 6.1 Example Response

```
{
  "data": [{
    "id": 5878,
    "playerPosition": "SKATER",
    "gameType": "REGULAR_SEASON",
    "season": {
      "name": "1993-1994",
      "startYear": 1993,
      "endYear": 1994
    },
    "league": {
      "id": 1,
      "name": "SHL",
      "fullName": "Swedish Hockey League",
      "gameType": "REGULAR_SEASON",
      "teamClass": "MEN",
      "teamType": "CLUB",
      "country": {
        "id": 1,
        "name": "Sweden",
        "abbreviation": "SWE",
        "iso3166_2": "SE",
        "iso3166_3": "SWE",
        "continent": "EUROPE"
      }
    }
  },
  "team": {
    "id": 9,
    "name": "MODO Hockey",
    "fullName": "Modo Hockeyklubb",
    "teamClass": "MEN",
    "teamType": "CLUB",
    "country": {
      "id": 1,
      "name": "Sweden",
      "abbreviation": "SWE",
      "iso3166_2": "SE",
      "iso3166_3": "SWE",
      "continent": "EUROPE"
    }
  }
}
```

```
        "locality": {
            "id": 199,
            "name": "Örnsköldsvik",
            "localityType": "CITY",
            "country": {
                "id": 1,
                "name": "Sweden",
                "abbreviation": "SWE",
                "iso3166_2": "SE",
                "iso3166_3": "SWE",
                "continent": "EUROPE"
            }
        },
        "jerseyNumber": 21,
        "GP": 39,
        "G": 18,
        "A": 26,
        "TP": 44,
        "PIM": 82,
        "PM": 14,
        "PPG": 1.13,
        "updated": "2014-05-22T21:15:07Z"
    }
}
```