



Web API: Get Occupations Reports

The 'Get Occupations Reports' API enables developers to input a location and report type to get occupation reports.

About this data

The API provides search results for Occupations Reports based on a location entered. It provides 5 types of reports. "Fastest Growing Occupations", "Highest Paying Occupations", "Careers with Most Openings", "Careers with Declining Employment" and "Careers with Largest Employment". Information about the data used in these reports can be found [here](#).

Resource URL

<https://api.careeronestop.org/v1/occupationsreports/{userId}/{reporttype}/{location}/{education}/{sortColumns}/{sortDirections}/{startRecord}/{limitRecord}>

Try this Web API

Example Code

C#

Java

```
using System;

using System.Net.Http;

using System.Net.Http.Headers;

using System.Threading.Tasks;

namespace CareerOneStopAPISample
{
    class Program
    {
    }
```

Request Parameters

Parameter Name	Value	Required?	Description
API Token	String	Yes	Your unique API Token provided during the CareerOneStop Web API registration process.
userId	String	Yes	Your unique UserID provided during the CareerOneStop Web API registration process.
reporttype	String	Yes	Type of report to generate. "FG" is Fastest-Growing Careers

Parameter Name	Value	Required?	Description
			"HP" is Highest Paying Careers "MO" is Most Openings "LE" is Careers with Largest Employment "DE" is Careers with Declining Employment
location	String	Yes	This value accepts a state (IL) or "US". Reports show data at the state or national level.
education	String	Yes	To filter the results based on education level of occupations, enter the value from the corresponding response object, EducationTitle.FilterList.Value. Default value is 0, no filter.
sortColumns	String	Yes	This value is for sorting the records. Valid values are: ORRANK - Occupation Report Rank is the default order for this particular report. For HP, it's wages; for DE and FG, it's percent change; for LE, it's employment. For MO, it's the number of openings. EDUCODE - Typical education level FMT_ESTEMP - Estimated employment (for the earlier year) FMT_PCHG - Percent change FMT_PROJEMP - Projected employment (for the later year) OccupationTitle - Occupation title QUARTILE - Earnings quartile (relevant in DE, FG, LE, MO reports) Default value is 0, same as ORRANK
sortDirection	String	Yes	Use this parameter to set the ordering of the results. Valid values are ASC, DESC and 0. Default value is 0 for relevance.
startRecord	Integer	Yes	This value is to set the starting record. Default value 0 is for the first record.
limitRecord	Integer	Yes	This value sets the limit of the maximum number of records to be returned. Default value is 10.

Response Structure

JSON	XML
<pre>{ "OccupationsList": { "Occupations": [{ "Rank": 297, "ID": "100930", "OccupationTitle": "Real Estate Sales Agents",</pre>	

Response Parameters

Name	Description	Type	Parent
OccupationsList		Object	OccupationsList
Occupations	Each object in this list has details about one occupation	List of objects	Occupations
Rank	The rank of current item, when items are sorted according to principal sort order	Number	Occupations
ID	Not useful for external customers		Occupations
OccupationTitle	Occupation Title	String	Occupations
EstYear	The year in the very recent past for which we have data on the estimated number employees. Available only in DE, FG, LE, MO reports	String	Occupations
ProjYear	For DE, FG, LE, and MO: The year in the future for which we have data on projected employment levels. For HP: the year covered by the wage data	String	Occupations
PercentChange	Percentage Change in employment of current occupation between EstYear and ProjYear	String	Occupations
StateAbbrev	Abbreviation of State for current search	String	Occupations
StateName	Current state name, spelled-out	String	Occupations
StateFips	State FIPS Code	String	Occupations
QUARTITLE	Earnings quartile for current occupation. Note the parameter name has "quartile" misspelled. Based on wage data from BLS OES. Available only in DE, FG, LE, MO reports.	String	Occupations
Definition	Wage range for the quartile of the current occupation. Available only in DE, FG, LE, MO reports.	String	Occupations
TypicalEducation	The typical education for entry into this occupation. Data from U.S. Department of Labor, Bureau of Labor Statistics, Employment Projections Program, Education and Training Data, Education and training assignments by detailed occupation	String	Occupations
SocCode	SOC code for this occupation. www.bls.gov/soc	String	Occupations
EducationTitle	Education Title	Object	Occupations
Name	Name	String	Occupations
Value	Value	String	Occupations
EstimatedEmployment	Estimated employment amount; populated only in DE, FG, LE, and MO reports	String	Occupations

Name	Description	Type	Parent
ProjectedEmployment	Projected employment amount; populated only in DE, FG, LE, and MO reports	String	Occupations
ProjectedAnnualJobOpening	Annual job opening amount; populated only in DE, FG, LE, and MO reports	String	Occupations
JobFamily	Job Family Number. Normally, the first 2 digits of SOC code. Used by CareerOneStop's Occupation Profile.	String	Occupations
OptStatus	Not useful for external customers		Occupations
NodeID	Not useful for external customers		Occupations
Level	Not useful for external customers		Occupations
Median	Median wage of current occupation; available only in HP report	String	Occupations
Annualizedwage	Annual wage of current occupation; available only in HP report	String	Occupations
HourlyWage	Hourly Wage of current occupation; available only in HP report	String	Occupations
RecordCount	Count of this results set	Number	OccupationsList
AreaValidationErr	Not useful for external customers		OccupationsList
AreaRecordCountList	Not useful for external customers		OccupationsList
EducationTitle	This object can be sued to filter subsequent calls to this Web API by only one education level	Object	OccupationsList
UndoList	Info about active filter, if any	List of objects	EducationTitle
Item	Value of the item filtered	String	UndoList
Count	Count of the items with that value	Number	UndoList
Value	Internal index value	String	UndoList
FilterList	Info about this results set that could be used to filter the results in the future	List of objects	EducationTitle
Item	Value of the item filtered	String	FilterList
Count	Count of the items with that value	Number	FilterList
Value	Internal index value	String	FilterList

Errors

Error/Status Code	Description
200	OK / Success. The request went through successfully and there is a response body.
400	Bad Request (Request was invalid or missing parameters)
401	Unauthorized. This error occurs specifically when authentication is required and has failed or has not yet been provided correctly. (ex: Invalid API Token)
404	This error will be shown in two scenarios 1) Not found - (An error occurred) and 2) Not found - (No data available)
500	Internal Server Error. This error will occur when there is something critically wrong in the API call.

For information about jobs, training, career resources, or unemployment benefits call:

1-877-US2-JOBS (1-877-872-5627) or TTY 1-877-889-5627

For help using the CareerOneStop website:

info@careeronestop.org

CareerOneStop is sponsored by the U.S. Department of Labor, Employment and Training Administration

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