



ZipRecruiter™

Job Alerts API

v2.04

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INTRODUCTION

The ZipRecruiter Job Alerts API enables email partners to write software that works with ZipRecruiter's hosted job alerts platform to manage their email subscription lists.

IMPLEMENTATION

The ZipRecruiter Job Alerts API is a REST-ful API with all requests and responses sent over HTTPS and authenticated by HTTP Basic Authentication. All API responses are returned with HTTP response codes used to denote success (2xx), client-caused failure (4xx), and server-caused failure (5xx). Responses can be formatted as JSON, XML, YAML, or a serialized PHP data structure.

Requests

Endpoints

The base endpoint for the ZipRecruiter Job Alerts API v2 is found at the following URL:

<https://api.ziprecruiter.com/job-alerts/v2>

Endpoints for the different resources are found at the following URL (replacing \$RESOURCE with the resource name):

[https://api.ziprecruiter.com/job-alerts/v2/\\$RESOURCE](https://api.ziprecruiter.com/job-alerts/v2/$RESOURCE)

Endpoints for resource-specific actions are found at the following URL (replacing \$RESOURCE with the resource name and \$PATH with the specified path from the “Actions” table for each resource):

[https://api.ziprecruiter.com/job-alerts/v2/\\$RESOURCE/\\$PATH](https://api.ziprecruiter.com/job-alerts/v2/$RESOURCE/$PATH)

Authentication

Each request must include the API Key that was assigned to the email partner. It should be presented to the server via standard Basic HTTP authentication (as defined in RFC2617) as the username with an empty password.

Common Parameters

Parameter	Actions	Description
content-type	all	Desired content-type of response ('application/json', 'text/xml', 'text/x-yaml', or 'text/x-php-serialization'). If not specified, the “Accept” request header is searched for the first match. If no match is found, 'application/json' is assumed.
limit	query	Maximum number of matching records to return. Must be between 1 and 100, inclusive. Defaults to 50.
properties	all	The resource-specific properties to include in the response.
skip	query	The number of matching records to skip before constructing the resultant set of records. Can be used along with the “limit” parameter to page through large result sets. Defaults to 0.

Responses

For submit, retrieve, and deactivate requests, an object containing the appropriate properties of the affected/requested resource is returned, formatted in the requested content-type.

For query requests, an object with the following properties is returned:

Key	Value
limit	The value of the limit parameter used to generate this result set.
results	An array of the results that match the criteria in the request – possibly a subset as determined by the “limit” and “skip” parameters.
skip	The value of the “skip” parameter used to generate this result set.
total_count	The total number of matches for the current query request. May be larger than the number of included results, depending on the size of the “limit” parameter.

Resources

Batch

A collection of subscription or unsubscribe tasks to be submitted in non-realtime.

These tasks will generally be performed within 1-2 hours.

Endpoint

<https://api.ziprecruiter.com/job-alerts/v2/batch>

Actions

Action	Method	Path	Description	Default Response Properties
submit	POST	/batch	Submit a new batch file to queue for processing.	id
retrieve	GET	/batch/ID	Retrieve information about a specific previously-submitted batch file.	id, status, create_time, complete_time, type, result
query	GET	/batch?...	Retrieve information about a set of previously-submitted batch files that match the specified criteria.	id

Properties

Name	Scope	Description
Id	query, response	Unique identifier for this batch job.
status	query, response	Status of the batch job ('complete', 'failed', 'pending').
create_time	query, response	Time the batch job was submitted.
complete_time	query, response	Time the batch job was completed (or empty if not completed).
type	submit, query, response	Type of batch job ('subscribe', 'unsubscribe').
content	submit	The file to be uploaded and processed. Should be contained in the request as a standard file upload.
filetype	submit	File format of the uploaded file. Currently, the default and only supported value is “csv”.
result	query, response	JSON string containing results of the batch job.

File Contents***Subscribe***

Column	Required?	Description
email	required	Email address of job seeker.
search	required	Search string indicating the type of jobs this job seeker is searching for.
location	optional	The zipcode or city/state where the job seeker is looking for a job (e.g. "Houston, TX" or "77001").
create_time	optional	Date this job seeker entered their email address into your system. Defaults to time the batch job is processed.
ip_address	optional	IP address of the job seeker in dotted quad notation (e.g. "194.133.209.43").
brand	optional	Name of pre-configured brand this job seeker should be associated with. (This field is rarely used.)

Unsubscribe

Column	Required?	Description
email	required	Email address of job seeker.
brand	optional	Name of pre-configured brand this job seeker should be unsubscribed from. (This field is rarely used.)

Subscriber**Endpoint**

<https://api.ziprecruiter.com/job-alerts/v2/subscriber>

Actions

Action	Method	Path	Description
submit	POST	/subscriber	Subscribe a new job seeker.
retrieve	GET	/subscriber/ID	Retrieve information about a specific subscriber.
query	GET	/subscriber?...	Retrieve information about a set of existing subscribers that match the specified criteria.
deactivate	DELETE	/subscriber/ID	Unsubscribe an existing job seeker.

Properties

Name	Scope	Description
id	query, response	Unique identifier for this subscriber.
email	submit, query, response	For submit, the email address of the subscriber. For response, the MD5 hash of the lowercased subscriber's email address. For query, either of the above.
name	submit, query, response	Name of the subscriber. This field is optional.
create_time	submit, query, response	Time this subscriber was added to your system. Defaults to the time the subscriber is submitted.
search	submit, query, response	The search criteria for this subscriber.
location	submit, query, response	Location information for this subscriber – can be zip code or city/state name.
ip_address	submit, query, response	IP address of the subscriber. Used to geolocate the subscriber if the location field isn't provided.
status	query, response	Subscription activation status ('active', 'deactivated').
deactivation_time	search, response	Time the subscriber was deactivated (if deactivated).
deactivation_reason	search, response	Reason/method subscriber was deactivated ('unsubscribed', 'inactivity', 'undeliverable', 'complaint', 'closed', 'api').

Job Searches

Endpoint

https://api.ziprecruiter.com/job-alerts/v2/subscriber/SUBSCRIBER_ID/searches

Actions

Action	Method	Path	Description
submit	POST	/searches	Create a job search for a job seeker.
retrieve	GET	/searches/ID	Retrieve a specific job search for a seeker
query	GET	/searches?...	Retrieve the subscriber's searches that match the specified criteria.
deactivate	DELETE	/searches/ID	Unsubscribe a specific job search for a seeker

Properties

Name	Scope	Description
id	query, response	Unique identifier for this job search.
create_time	submit, query, response	Time this job search was added to your system. Defaults to the time the job search is submitted.
search	submit, query, response	The search criteria for this job search.
location	submit, query, response	Location information for this job search – can be zip code or city/state name.
ip_address	submit	IP address of the subscriber. Used to geolocate the subscriber if the location field isn't provided.
status	query, response	Job search status ('active', 'deactivated').
deactivation_time	search, response	Time the job search was deactivated (if deactivated).
deactivation_reason	search, response	Reason/method job search was deactivated ('user', 'api').

EXAMPLES

In all of the below examples, you should replace \$API_KEY with the value of your API key and \$SUBSCRIBER_ID with the ID of the target subscriber.

Create a new subscriber

JSON:

```
$ curl -X POST https://api.ziprecruiter.com/job-alerts/v2/subscriber -u $API_KEY: \
  --form email=user1@domain1.com \
  --form create_time='2012-05-03 09:45:23' \
  --form search='Legal Assistant' \
  --form location='Houston, TX' \
  --form content-type=application/json
{"id":"750ea3d7"}
```

XML:

```
$ curl -X POST https://api.ziprecruiter.com/job-alerts/v2/subscriber -u API_KEY: \
  --form email=user2@domain2.com \
  --form create_time='2012-05-03 17:01:05' \
  --form search='CEO' \
  --form location='10023' \
  --header 'Accept: text/xml'
<subscriber>
  <id>94134998</id>
</subscriber>
```

Retrieve subscriber info**JSON:**

```
$ curl -X GET https://api.ziprecruiter.com/job-alerts/v2/subscriber/94134998 -u API_KEY:
{"email_md5":"e267dc6104788fe3c8c155f01301018f","deactivation_reason":null,"create_time":"2012-05-04T00:01:05","id":"94134998","deactivation_time":null}
```

XML:

```
$ curl -X GET https://api.ziprecruiter.com/job-alerts/v2/subscriber/94134998 -u API_KEY: \
  --form content-type=text/xml
<subscriber>
  <id>750ea3d7</id>
  <create_time>2012-05-03T16:45:23</create_time>
  <deactivation_reason></deactivation_reason>
  <deactivation_time></deactivation_time>
  <email_md5>98b40ad040f78adc728213c48d2fcb4d</email_md5>
</subscriber>
```

Query for all contacts**JSON:**

```
$ curl -X GET https://api.ziprecruiter.com/job-alerts/v2/subscriber -u API_KEY:
{"limit":50,"results":[{"id":"750ea3d7"}, {"id":"94134998"}], "offset":0, "total_count":"2"}
```

XML:

```
$ curl -X GET https://api.ziprecruiter.com/job-alerts/v2/subscriber -u API_KEY: \
--form content-type=text/xml
<subscribers>
  <limit>50</limit>
  <offset>0</offset>
  <results>
    <id>750ea3d7</id>
  </results>
  <results>
    <id>94134998</id>
  </results>
  <total_count>2</total_count>
</subscribers>
```

Batch Subscribe Multiple Subscribers

Assuming the following file:

subs.csv

```
"user1@domain1.com","Legal Assistant","Houston, TX","2012-05-03 09:45:23",
"user2@domain2.com","CEO","10023","2012-05-01 17:01:05",
"user3@domain3.com","Snakeoil Salesman",,"2012-05-02 12:00:01","194.133.209.43"
```

Then the following command will upload a batch subscribe request to the server:

```
$ curl -X POST https://api.ziprecruiter.com/job-alerts/v2/batch -u API_KEY: \
--form content=@subs.csv \
--form type=subscribe
{"create_time":"2013-02-22T10:08:16","id":"d8416222","type":"subscribe"}
```

This indicates that the batch subscribe task was successfully queued.

The following command will query the status of the task:

```
$ curl -X GET https://api.ziprecruiter.com/job-alerts/v2/batch/d8416222 -u API_KEY:
{"complete_time":null,"status":"pending","create_time":"2013-02-22T10:08:16","type":"subscribe","id":"d8416222","result":null}
```

This indicates that the task is still in the queue. If you wait a while and come back after the task has completed, you will get the following:

```
$ curl -X GET https://api.ziprecruiter.com/job-alerts/v2/batch/d8416222 -u API_KEY:
{"complete_time":"2013-02-22T10:15:05","status":"complete","create_time":"2013-02-22T10:08:16","type":"subscribe","id":"d8416222","result":
{"errors":0,"total_records":3,"subscribed":3,"search_updated":0,"no_changes":0}}
```

Batch Unsubscribe Multiple Subscribers

Assuming the following file:

unsubs.csv

```
"user1@domain1.com"
"user2@domain2.com"
```

Then the following command will upload a batch unsubscribe request to the server:

```
$ curl -X POST https://api.ziprecruiter.com/job-alerts/v2/batch -u API_KEY: \
  --form content=@subs.csv \
  --form type=unsubscribe \
  {"create_time":"2013-02-22T11:08:16","id":"289027cc","type":"unsubscribe"}
```

This indicates that the batch unsubscribe task was successfully queued.

The following command will query the status of the task:

```
$ curl -X GET https://api.ziprecruiter.com/job-alerts/v2/batch/289027cc -u API_KEY:
{"complete_time":null,"status":"pending","create_time":"2013-02-22T11:08:16","type":"unsubscribe","id":"289027cc","result":null}
```

This indicates that the task is still in the queue. If you wait a while and come back after the task has completed, you will get the following:

```
$ curl -X GET https://api.ziprecruiter.com/job-alerts/v2/batch/289027cc -u API_KEY:
{"complete_time":"2013-02-22T11:15:05","status":"complete","create_time":"2013-02-22T11:08:16","type":"unsubscribe","id":"289027cc","result":
{"errors":0,"no_such_contact":0,"total_records":2,"unsubscribed":2,"no_changes":0}}
```

Create a new job search for a subscriber

JSON:

```
$ curl -X POST https://api.ziprecruiter.com/job-alerts/v2/subscriber/SUBSCRIBER_ID/searches -u $API_KEY: \
  --form create_time='2012-05-03 09:45:23' \
  --form search='Legal Assistant' \
  --form location='Houston, TX' \
  --form content-type=application/json \
  {"id":"b6f2266a"}
```

XML:

```
$ curl -X POST https://api.ziprecruiter.com/job-alerts/v2/subscriber/SUBSCRIBER_ID/searches -u
API_KEY: \
--form create_time='2012-05-03 17:01:05' \
--form search='CEO' \
--form location='10023' \
--header 'Accept: text/xml'
<job_search>
  <id>5fa2b36a</id>
</job_search>
```

Retrieve job search info

JSON:

```
$ curl -X GET https://api.ziprecruiter.com/job-alerts/v2/subscriber/SUBSCRIBER_ID/searches/94134998
-u API_KEY:
{"search":"Legal Assistant","location":"Santa Monica, CA","status":"active","create_time":"2013-05-
13T19:20:02","deactivation_reason":null,"id":"94134998","deactivation_time":null}
```

XML:

```
$ curl -X GET https://api.ziprecruiter.com/job-alerts/v2/subscriber/SUBSCRIBER_ID/searches/94134998
-u API_KEY: \
--form content-type=text/xml
<job_search>
  <id>94134998</id>
  <create_time>2013-05-13T19:20:02</create_time>
  <deactivation_reason></deactivation_reason>
  <deactivation_time></deactivation_time>
  <location>Santa Monica, CA</location>
  <search>Legal Assistant</search>
  <status>active</status>
</job_search>
```

Query for all job searches

JSON:

```
$ curl -X GET https://api.ziprecruiter.com/job-alerts/v2/subscriber/SUBSCRIBER_ID/searches -u
API_KEY:
{"limit":50,"results":[{"id":"b6f2266a"}, {"id":"ff1876cb"}], "offset":0, "total_count": "2"}
```

XML:


```
$ curl -X GET https://api.ziprecruiter.com/job-alerts/v2/subscriber -u API_KEY: \
--form content-type=text/xml
<job_search>
  <limit>50</limit>
  <offset>0</offset>
  <results>
    <id>b6f2266a</id>
  </results>
  <results>
    <id>ff1876cb</id>
  </results>
  <total_count>2</total_count>
</job_search>
```

ERROR CODES

HTTP Status	Error Code	Meaning(s)
400	invalid_parameters	<ul style="list-style-type: none"> Unknown parameters were included in the request that the server could not understand.
400	invalid_*	<ul style="list-style-type: none"> The matching parameter was specified but was not valid.
400	missing_*	<ul style="list-style-type: none"> The matching parameter was required but was not specified.
403	unauthorized	<ul style="list-style-type: none"> No API key was received. An unknown API key was received. A widget key was used instead of an API key for a retrieve, query or deactivate action.
404	unknown_batch	<ul style="list-style-type: none"> The specified ID did not match a valid batch resource.
404	unknown_resource	<ul style="list-style-type: none"> A URL was requested that did not map to a valid resource/request path.
404	unknown_subscriber	<ul style="list-style-type: none"> The specified ID did not match a valid subscriber resource.
500	internal_error	<ul style="list-style-type: none"> A server-side problem occurred. Please try again later.
5##		<ul style="list-style-type: none"> A server-side problem occurred. Please try again later.

MIGRATING FROM V1

Upgrading to the ZipRecruiter Job Alerts v2 API from the v1 API is very simple. The responses may be formatted slightly differently but the change is minimal.

It is important to note that the v1 API will not be removed in the near future, however **it should be considered deprecated**. New development should use the v2 API.

Deactivations

v1:

Method	GET
URL	deactivations
Parameters	from_date=YYYYMMDD to_date=YYYYMMDD

v2:

Method	GET
URL	subscriber
Parameters	status=deactivated deactivation_time=YYYYMMDD;YYYYMMDD

Status

v1:

Method	GET
URL	status/ID
Parameters	none

v2:

Method	GET
URL	batch/ID
Parameters	<i>none</i>

Subscribe

v1:

Method	POST
URL	subscribe
Parameters	content=UPLOADED_FILE

v2:

Method	POST
URL	batch
Parameters	type=subscribe content=UPLOADED_FILE

Unsubscribe

v1:

Method	POST
URL	unsubscribe
Parameters	content=UPLOADED_FILE

v2:

Method	POST
URL	batch
Parameters	type=unsubscribe content=UPLOADED_FILE