

Integrating Glassdoor with Teamchat

Step-1: Access and API key

The Glassdoor API is not open to the public. API key and the partner ID used in the project:

Below, please find your API partner ID and API key, which you can use to access the API.

Partner ID: 39226

Key: hl6voUXhoGA

This API key and partner ID is required for all endpoints. This given API key has been hardcoded into the project.

Note:- In this project API key and this partner ID of my account is used and is in working condition so you don't have to change it in the project unless you want to do the integration with a API key of your account.

If in case this API key is not working or you want to use your new account's API key, then you have to perform certain steps:

- Go to this link : http://www.glassdoor.com/api/register_input.htm and submit a request for the API key and the partner ID
- Within a week your email ID (through which you have submitted the request) will receive partner ID and the API key
- Then you just have to change the partner ID and API key inside the project.
- You just have to make changes in the “glassdoorintegrator.java” file given in the package “com.teamchat.integration.glassdoor.bot”
- Open the “glassdoorintegrator.java” file then

```

12 glassdoorintegrator {
13     company details from glassdoor server.
14     @RequestMapping(method = RequestMethod.GET, url = "/getcompanies/{keyword}/{location}/{pn}") throws IOException{
15
16         String err = "Error";
17
18         OkHttpClient client = new OkHttpClient();
19
20         //t.p = partnerid
21         //t.k = partner key
22         //q = paraphrase
23         //l = location
24         //ps = page size
25         //pn = page number
26
27         //t.p = 39226 (partner id)
28         |
29
30         //t.k = hl6voUXhoGA (API key or partner key)
31
32
33         Request request = new Request.Builder()
34             .url("http://api.glassdoor.com/api/api.htm?t.p=39226&t.k=hl6voUXhoGA&format=json&v=1&action=employers&q="+Keyword+"&ps=1&pn="+pn+"&l="+Location)
35             .get()
36             .build();
37
38         Response response = client.newCall(request).execute();
39
40         if (!response.isSuccessful())
41         {
42             return err;
43         }
44     }
45 }

```

replace the API key and partner ID present inside the red boxes with your new API key and partner ID and you are ready to go.

Step-2: USING API-KEY AND PARTNER-ID TO CALL FUNCTIONS

Providing Parameters: GET requests should provide their parameters as a query string, part of the URL. API key and partner ID should also be provided with other parameters as a part of the URL.

JSON Responses: All responses are sent JSON-encoded.

METHOD: GET COMPANY SEARCH:

A company search request must specify "employers" for the action parameter in addition to the other required parameters.

URL: <http://api.glassdoor.com/api/api.htm>

Method : GET

Parameters : paramName="t.p", value="partner ID"

paramName="t.k", value="API key"

paramName="q", value="search query or paraphrase"

paramName="l", value="location"

paramName="ps", value="page size"

paramName="pn", value="page number"

Output:

```
{
  "success": true,
  "status": "OK",
  "response": {
    "currentPageNumber": 1,
    "totalNumberOfPages": 151,
    "totalRecordCount": 1510,
    "employers": [
      {
        "id": 354,
        "name": "IBM",
        "website": "www.ibm.com",
        "isEEP": false,
        "exactMatch": false,
        "industry": "",
        "numberOfRatings": 0,
        "squareLogo": "http://media.glassdoor.com/sql/354/ibm-squarelogo.png",
        "overallRating": 0,
        "ratingDescription": "Not Applicable",
        "cultureAndValuesRating": "3.6",
        "seniorLeadershipRating": "2.9",
        "compensationAndBenefitsRating": "2.6",
        "careerOpportunitiesRating": "2.9",
```

```
"workLifeBalanceRating": "3.5",
"featuredReview": {
  "id": 3855871,
  "currentJob": false,
  "reviewDateTime": "2014-03-12 04:56:58.41",
  "jobTitle": "Employee",
  "location": "",
  "headline": "an extremely good compagny with very high benefits and perfectly
committed to its employees with a great compagny culture",
  "pros": "an extremely good compagny with very high benefits and perfectly committed
to its employees with a great compagny culture",
  "cons": "opportunities to travel to conference have been reduced"
},
"ceo": {
  "name": "Virginia Rometty",
  "title": "CEO",
  "image": {
    "src": "http://media.glassdoor.com/people/ceo/354/ibm-virginia-rometty.png",
    "height": 50,
    "width": 40
  },
  "numberOfRatings": 0,
  "pctApprove": 0,
  "pctDisapprove": 0
}
]
}
}
```

Code:

The following code gives a JSON Output which contains information about Searched keyword.

```
1 package com.teamchat.integration.glassdoor.bot;
2 * @author : Anuj Arora
3 import java.io.IOException;
4
5 public class glassdoorintegrator {
6 // getting company details from glassdoor server.
7 public String getcompanies(String Keyword,String Location,int pn) throws IOException{
8
9 String err = "Error";
10 OkHttpClient client = new OkHttpClient();
11 //t.p = partnerid
12 //t.k = partner key
13 //q = paraphrase
14 //l = location
15 //ps = page size
16 //pn =page number
17 //t.p = 39226 (partner id)
18 //t.k = hl6voUXhoGA (API key or partner key)
19 Request request = new Request.Builder()
20 .url("http://api.glassdoor.com/api/api.htm?t.p=39226&t.k=hl6voUXhoGA&format=json&v=1&action=employers&q="+Keyword+"&ps=1&pn="+pn)
21 .get()
22 .build();
23
24 Response response = client.newCall(request).execute();
25
26 package com.teamchat.integration.giphy.bot;
27
28 * @author:Anuj Arora
29
30 import java.io.IOException;
31
32 public class giphyintegrator {
33 //authenticating and receiving images.
34 public String getimages(String keyword,int limit,int offset) throws IOException{
35
36 String err = "Error";
37
38 OkHttpClient client = new OkHttpClient();
39 //api key = dc6zaT0xFJmzC
40 Request request = new Request.Builder()
41 .url("http://api.giphy.com/v1/gifs/search?api_key=dc6zaT0xFJmzC&q="+keyword+"&offset="+offset+"&limit="+limit)
42 .get()
43 .build();
44
45 Response response = client.newCall(request).execute();
46
47 if (!response.isSuccessful())
48 {
49 return err;
50
51 }
52
53 else
54 return response.body().string();
55 }
56 }
```

Step-3: Exporting the WAR file

Step-4: Deploying the WAR file

Step-5: Ready to use

Step-6: Follow the commands given below to use Glassdoor:

Commands	Work
help	It will tell user about the commands he/she should know before using glassdoor
search	Type this command to search any company
next	Type this command to check the next result page for your searched keyword

Note:-

1. Getters and Setters classes are used for extracting the data from json object. These classes are in the package “com.teamchat.integration.glassdoor.classes”.

- **Ceo**
- **Glassdoormain (main class for calling functions of other classes)**
- **Employer**
- **FeaturedReview**
- **Image**
- **LashedLocation**

- **Response**

2. Libraries used:-

- **gson 2.3.1 (for parsing json object)**
- **okhttp 2.4.0 (for authentication)**
- **okio 1.4.0 (prerequisite for okhttp)**
- **Teamchat Client SDK 1.5**

3. What changes should be done before running this project on any server?

- **Changes should be made in “web.xml” file , i.e your bot-email, bot-password, db-host, db-name, db-user and db-password as per your requirement**
- **No database or table used during the integration**
- **You only need to deploy the project's WAR file on the server**