



BrassRing Talent Gateway Job Search **API**

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Overview

BrassRing APIs uses **XML and JSON** payloads to define the structure and content of API requests and responses. These APIs provide flexibility, allowing clients to customize search results by including only the data elements relevant to their business requirements.

Common configuration options include:

- Returning specific information, such as **job location details only**, without the complete job posting.
- Applying **proximity-based search filters** to deliver location-relevant results.
- Configuring **pagination settings** and controlling the number of records returned per request.
- Leveraging advanced search capabilities, including **job-match criteria**, **Hot Jobs indicators**, and **social media integration widgets**.

This flexibility enables organizations to optimize search performance, improve candidate experience, and tailor API responses to their specific use cases.

Important Notes

- If **Job Search** functionality is required across multiple **Talent Gateways (TGs)**, each Talent Gateway must be **enabled and configured independently**.
- The **network protocol method** used to access the web services is determined by the client or third-party vendor. The selection, implementation, and support of these access methods are **outside the scope of this documentation**.

Configuration Steps

Step 1: Enable the Talent Gateway for Web Service Access

Navigation: Workbench > Tools > Talent Gateways

1. Navigate to the desired **Talent Gateway (TG)** and select the **Edit** (pencil) icon.
2. Note the **Client ID** and **Site ID**, as both values are required when making BrassRing API requests.
3. Enable the **Allow Web Service to query this Gateway** checkbox.

Step 2: Build Your Search Criteria Using Preview XML/JSON

Navigation: Workbench > Tools > Talent Gateways > [Select your TG] > Preview XML/JSON searchapi

1. Select the desired **Talent Gateway (TG)** and, from the left navigation pane, click **Preview XML/JSON for Search API**.
2. Review and modify the template to include only the fields required for your implementation. For a complete list of available fields and their definitions, refer to the **Input Field Reference** section.

Step 3: Generate a Bearer Token (Authentication)

A **Bearer Token** is required to authenticate all API requests. As part of the initial setup process, the **secret key** needed to generate the token is provided through a maintenance ticket.

The Bearer Tokens are valid for **30 minutes** from the time they are generated. A new token must be generated whenever the current token expires before additional API requests can be made.

Steps to generate the bearer token and output XML is available at the following link.

Link: [Search API Authentication Token Generation and Output Retrieval User Guide](#)

Token Generation Details

Endpoint (POST URL):

staging :	https://sstagingjobs.brassring.com/SearchAPI/api/jwt/generate
USProd :	https://sjobs.brassring.com/SearchAPI/api/jwt/generate
EU Prod:	https://krb-sjobs.brassring.com/SearchAPI/api/jwt/generate

HTTP Method: POST

Content Type: application/json

Token Lifetime: 1800 seconds (30 minutes)

Request Payload (JSON):

```
{  
  "clientId": Your client ID,  
  "secretKey": "YOUR_SECRET_KEY"
```

```
}
```

Sample Response:

```
{  
  "clientId": Your client ID,  
  "accessToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9...",  
  "expiresAt": "2026-08-04 07:35:48",  
  "expiresIn": 1800  
}
```

Security Note: The **secret key** is provided as a one-time setup item through a maintenance ticket. This key is required whenever a new Bearer Token is generated and should therefore be stored securely. Do not share it with unauthorized individuals or third parties.

Step 4: Getting results from searchapi

How to use search api (Users can use both JSON/XML using the below URL)

Post URL:

staging : https://sstagingjobs.brassring.com/SearchAPI/api/search/SearchResults
USProd : https://sjobs.brassring.com/SearchAPI/api/search/SearchResults
EU Prod: https://krb-sjobs.brassring.com/SearchAPI/api/search/SearchResults

Sample JSON Request payload:

```
{  
  "InputString": {  
    "ClientId": "Your client id ",  
    "SiteId": "Your side id",  
    "PageNumber": "2",  
    "OutputXMLFormat": "0",  
    "AuthenticationToken": ""  
  }  
}
```

```
"HotJobs": "",
"JobDescription": "Yes",
"GetQuestionsSubmissionAPI": "Yes",
"ReturnApplyURL": "Yes",
"ReturnLongJobDetailQues": "",
"ProximitySearch": {
  "Distance": "",
  "Measurement": "",
  "Country": "",
  "State": "",
  "City": "",
  "zipCode": ""
},
"JobMatchCriteriaText": "",
"SelectedSearchLocaleId": ""
}
}
```

Response JSON format

```
{
  "ResultSet": {
    "Status": {
      "Code": 200,
      "ShortDescription": "Success",
      "LongDescription": "Request completed successfully"
    },
    "Jobs": {
```

```

"Job": [
  {
    "Question": [
      {
        "Id": "2710",
        "Value": "4182BR"
      },
    ],
    "LastIndexedDateTimeUTC": "07/31/2026 01:29:34 AM",
    "JobDetailLink": "https://nalb-qatgweb.vip.corp.brassring.com/TGnewUI/Search/home/HomeWithPreLoad?PageType=JobDetails&partnerid=13617&siteid=5911&jobid=97993",
    "DateClosed": "2027-03-14",
    "DatePosted": "2026-07-30",
    "DateUpdated": "2026-07-31",
    "HotJob": "No"
  } ,
  "Status": {
    "Code": 200,
    "ShortDescription": "Success",
    "LongDescription": "Request completed successfully"
  }
}

```

Sample XML request payload:

```

<InputString>
  <ClientId>13617</ClientId>
  <SiteId>5911</SiteId>

```

```
<PageNumber>2</PageNumber>
<OutputXMLFormat>0</OutputXMLFormat>
<AuthenticationToken></AuthenticationToken>
<HotJobs></HotJobs>
<JobDescription>Yes</JobDescription>
<GetQuestionsSubmissionAPI>Yes</GetQuestionsSubmissionAPI>
<ReturnApplyURL>Yes</ReturnApplyURL>
<ReturnLongJobDetailQues></ReturnLongJobDetailQues>
<ProximitySearch>
  <Distance></Distance>
  <Measurement></Measurement>
  <Country></Country>
  <State></State>
  <City></City>
  <zipCode></zipCode>
</ProximitySearch>
<JobMatchCriteriaText></JobMatchCriteriaText>
<SelectedSearchLocaleId></SelectedSearchLocaleId>
</InputString>
```

Response XML format

```
<ResultSet>
  <ResultSet>
    <Jobs>
      <Job>
        <Question Id='2710'>175BR</Question>
        <LastIndexedDateTimeUTC>06/21/2026 10:49:45 PM</LastIndexedDateTimeUTC>
```

<DateClosed>2389-10-18</DateClosed>

<DatePosted>2024-10-20</DatePosted>

<DateUpdated>2024-10-21</DateUpdated>

<JobDetailLink>

<![CDATA[https://nalb-qatgweb.vip.corp.brassring.com/TGnewUI/Search/home/HomeWithPreLoad?PageType=JobDetails&partnerid=13617&siteid=5911&jobid=89380]]>

</JobDetailLink>

<JobQuestionsAPI>

<![CDATA[https://nalb-qatgweb.vip.corp.brassring.com/IntegrationsAPI/QuestionsAPI?q=CARETO/2afaoFpkHE1LyVbpjlkoQf3pwT2bWI7HgG/gGdYWu6hbZt7wmmDS8lvi5Z2dSvBtLGF9elpF_plus_7LUDrjPnRhQ==]]>

</JobQuestionsAPI>

<AppSubmissionAPI>

<![CDATA[https://nalb-qatgweb.vip.corp.brassring.com/IntegrationsAPI/api/candidateapply?q=CARETO/2afaoFpkHE1LyVbpjlkoQf3pwT2bWI7HgG/gGdYWu6hbZt7wmmDS8lvi5Z2dSvBtLGF9elpF_plus_7LUDrjPnRhQ==]]>

</AppSubmissionAPI>

</Job>

<UnPostedJobs>

<Site siteid='5911'>

<Req>

<ReqId>58BR</ReqId>

<DateTimeUnposted>

<![CDATA[2025-02-20 00:00:00.000]]>

</DateTimeUnposted>

</Req>


```
</UnPostedJobs>

</ResultSet>

</ResultSet>

<Status>

  <Code>200</Code>

  <ShortDescription>Success</ShortDescription>

  <LongDescription>Request completed successfully</LongDescription>

</Status>
```

Getting Started & Support

To begin using the **Job Search API**, complete the following steps:

- Obtain and securely store the **secret key** provided through a maintenance ticket. This key is required to generate authentication tokens and should not be shared with unauthorized individuals.
- Use the **Preview XML/JSON** feature in Workbench to export the search configuration for your specific **Talent Gateway (TG)**.
- Generate a **Bearer Token** using the authentication endpoint before submitting any Job Search API requests.

Important: Bearer Tokens expire **30 minutes** after generation. To ensure uninterrupted API access, we recommend implementing an automated token refresh within your integration.

Input Field Reference

The table below describes all available input fields (XML/JSON elements) for the Job Search API request. Fields may be included or omitted based on client requirements.

Field Name	Description
ClientId	The client's identification number (Partner ID). Required for all requests.
SiteId	The client's Site ID. Required for all requests.
PageNumber	Controls pagination. Returns 50 results per page by default. Use incremental page numbers to request additional result pages. See also ReturnJobsCount.

OutputXMLFormat	Output format: 0 = XML/JSON (based on request payload format), 2 = Link.
AuthenticationToken	Bearer token from the Authentication API after a successful login. Remove this tag if authentication is not used.
HotJobs	Flag for featured jobs. Values: Yes / No.
ProximitySearch	Enables proximity-based search. Sub-elements: Distance, Measurement (MI or KM), Country, State, City, ZipCode. Remove this tag if proximity search is not required.
ReturnJobsCount	Number of jobs to return per request. Use TG_SEARCH_ALL to return all jobs, or enter a specific count. Do NOT combine with JobDescription = YES. Omit this field to use the default of 50 per page.
ReturnJobDetailQues	Comma-separated list of Job Details question IDs (configured in Talent Gateway) to include in the search output.
JobDescription	Includes the job description in results. YES = included (returns 50 jobs at a time, overrides ReturnJobsCount). NO = excluded.
outputFields	For Social Media widget integration. Comma-separated question IDs for widget display. Configure in WB: Tools > Settings > Social Media Configuration > Administer Job Widget.
JobMatchCriteriaText	Sends job match criteria text when EnableJobMatch is on for the client. Remove this tag if Job Match is not enabled.
DatePosted	Filters by requisition posting date. Use ALL for all dates, or provide a specific date in yyyy-mm-dd format.
ReturnUnpostedJobs	Retrieves unposted jobs as of a specified date. Values: Yes, ALL, or yyyy-mm-dd. Returned in addition to posted jobs (max 25,000 total). Response includes Job ID and unposting date/time.
SelectedSearchLocale Id	Locale ID for multi-language Global TG searches. Used when searching across different locales.
Questions	Search criteria entered by the user on the search screen. Supports ASC/DESC sort on one field only. Use TG_SEARCH_ALL for the 'All' option, or comma-separated answer values for multiple selections. Obtain question IDs from Workbench Preview XML.
QuestionsForORCondition	Groups question IDs for OR-based logic within a field group. Example: (Primary Category OR Secondary Category = 'Human Resources') AND (Primary Location OR Secondary Location = 'Boston'). Excludes: Proximity Search fields, Keyword, JobMatchCriteriaText, DatePosted.
GetQuestionsSubmissionAPI	Yes or No to written job submission api urls

