



Receive Jobs – Technical Integration

Version 1.2

Jobg8 Limited

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Document Version History

Date	Version	Description	Author
23 Sept 2013	1.0	Initial version	Brad O'Connor
18 Feb 2014	1.1	Added advertiser logo	Brad O'Connor
09 Sept 2014	1.2	Added Traffic application method	Brad O'Connor

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2. Overview

Jobg8 provides a regular feed of job postings to its network members that can be displayed in the receiving site's own branding.

This document details how to receive job content and provides sufficient information for you to develop a system that can accept job postings from the Jobg8 network. It is a technical document and assumes the reader has a working knowledge of XML and web applications or FTP.

3. Job Feed

Jobg8 offers its own standard XML feed and supports the following three types of job action:

- **Post**
A new job is being posted.
- **Amend**
An amendment is required to the details of a previously posted job.
- **Delete**
A previously posted job is required to be deleted.

3.1 Job Feed Type

Jobg8 can send either an incremental or snapshot job feed.

3.1.1 Incremental

Incremental defines the approach where the job feed only contains job postings that are new or require amending or deletion. The different type of actions will be sent in separate feed requests.

The incremental approach can only be used in conjunction with the HTTP POST delivery method (see section 6.3 for details).

3.1.2 Snapshot

Snapshot defines the approach where all the job postings that you want from the network are sent in a single feed. The feed can then be parsed to deduce the following:

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- **Posts**
A job posting is included in the feed for the first time. This job posting will then continue to be included in the feed while it is live on the Jobg8 network.
- **Amends**
A job posting that is included in the feed but some of the details have changed from the previous version.
- **Deletions**
A job posting that was included in the previous feed but is no longer included in the feed.

3.2 Feed Frequency

The frequency we create a job feed is variable depending on the feed type and size. The default for incremental feeds is 60 minutes, whereas snapshot feeds it is every 6 hours. It's recommended that a feed is taken and processed regularly to reduce the amount of outdated job content.

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4. Job Details

The table below details the information that Jobg8 is able to provide for each job posting.

4.1 Detail Information

Detail	Always Provided	Description	Max Size	Extra Information
Advertiser Name	Yes	The name of the advertiser that this job posting is being advertised on behalf of	100 chars	
Advertiser Type *	Yes	The advertiser type	100 chars	
Sender Reference	Yes	A unique Jobg8 reference to identify the job posting	30 chars	
Display Reference	No	The advertiser's reference for the job posting	100 chars	
Classification *	Yes	The primary classification, industry or market of the job posting	100 chars	
Sub Classification	Yes	A sub classification directly relating to the primary classification of the job posting	100 chars	Blank, unless keywords are provided to map the job posting to your sub classifications
Position	Yes	The position/role/title of the job posting	70 chars	CData Encoded
Description	Yes	The description/skills for the job posting	10000 chars	CData Encoded
Country *	Yes	The country of the job posting	100 chars	
Location *	Yes	The geographical location of the job posting. E.g. County / State	100 chars	
Area	Yes	The area within the Location. E.g. City / Town	100 chars	If you require a list of the areas please ask your account manager
Postal Code	No	The Postal Code of the job posting	20 chars	
Application URL	Yes	The URL for the application form / ATS redirection / Traffic click	255 chars	URLs are ONLY to be accessed by a user action. Automated processes, page preloading or manual testing will cause the URLs to be disabled
Description URL	Yes	A URL for a Jobg8 rendered version of the job description and details	255 chars	
Language *	Yes	The language of the job posting	10 chars	E.g. the job posting details are provided in English so will therefore have a language ID of 2057
Contact Name	No	Contact name of the individual dealing with the job posting	200 chars	
Employment Type *	Yes	The employment type of the job posting	70 chars	

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Detail	Always Provided	Description	Max Size	Extra Information
Start Date	No	The required starting date of the job posting; e.g. 10/12/2009 or ASAP	70 chars	
Duration	No	The length of the contract, e.g. 12 months, 2 year contract	70 chars	
Work Hours *	Yes	Specifies the expected working hours	70 chars	
Salary Currency *	Yes	Details what currency the Salary Minimum and Maximum are in	70 chars	
Salary Minimum	No	The minimum salary amount	20 chars	Numeric values. If only a single salary amount exists both the minimum and maximum salary will be set to the same value
Salary Maximum	No	The maximum salary amount	20 chars	
Salary Period *	Yes	Represents what period the Salary Amount is over	70 chars	
Salary Additional	No	Any additional salary details, e.g. bonuses and perks	70 chars	
Job Source	No	The name of company that posted the job posting onto the Jobg8 network	100 chars	These values will only be provided to aggregators.
Job Source URL	No	The URL of the company that posted the job posting onto the Jobg8 network	255 chars	
Video Link URL	No	A video link to any extra information relating to the job posting	255 chars	
Additional Classification 1	No	An additional job posting classification, industry or market	100 chars	Same values as the classification job detail
Additional Classification 2	No	An additional job posting classification, industry or market	100 chars	Same mappings as the classification job detail
Additional Classification 3	No	An additional job posting classification, industry or market	100 chars	Same mappings as the classification job detail
Additional Classification 4	No	An additional job posting classification, industry or market	100 chars	Same mappings as the classification job detail
Logo URL	No	The URL of the advertisers logo	255 chars	
Job Type	Yes	The job type identifies which application method is being used	20 chars	The value will be either APPLICATION, ATS or TRAFFIC

** Please refer to the mapping spreadsheet to see which values are available for this job detail*

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5. Mapping

The Jobg8 network accepts that all members are different and use various terminology/values for classification, etc.

You will be provided with a spreadsheet that details the values that Jobg8 will provide in the job feed.

If you require us to send your own values in the job feed please let us know and we will provide you with a spreadsheet to complete with the values you require. If you provide a 'Default Value' that will always be sent where no mapping value is provided. If no mapping details are provided you will receive the Jobg8 values.

Here is an example of mapping the Jobg8 Advertiser Type values to your Advertiser Type values:

Jobg8 ValueIDs	Jobg8 Values	Your Values
-1	<i>** Default Value **</i>	N/A
15891	Advertising Agency	Advertiser
15890	Agency	Agency
15892	Company	Corporation
15897	Not Specified	N/A

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6. Delivery Methods

Jobg8 offer three job feed methods:

- **Collection**
- **FTP**
- **HTTP POST**

6.1 Collection

Jobg8 provides you with a unique Jobg8 URL which links to your feed file. Using this URL you are able to collection this file. The collection method only supports a snapshot feed and by default the file will be compressed using standard ZIP compression.

Using this method, no response will be received from you and therefore we assume the feed has been successfully processed.

6.2 FTP

Jobg8 sends the file to you using FTP. Using this method, no response from the transfer can be received and therefore we cannot know whether there are any problems with the way the file has been received by you, hence we assume it is always successful. You will need to provide Jobg8 with the required FTP credentials. The FTP method only supports a snapshot feed and by default the file will be compressed using standard ZIP compression.

The following naming standard is used for the FTP feed file and will be overwritten each time a new feed file is created and transferred.

Jobs_<Your AccountID>.xml
e.g. Jobs_54321.xml

6.3 HTTP POST

Jobg8 sends the file to you using HTTP. The file is submitted using an HTTP POST, with content-type set to "text/xml". If a response is to be provided, which is recommended, this should be an XML document that implements Jobg8's response definition (see section 7).

You will need to provide the URL for this method and, if required, credentials for using basic authentication. This method supports both incremental and snapshot feeds.

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7. Feed XML

The post and amend XML is exactly the same for both incremental and snapshot feed types.

Additional job posting detail nodes could be added in the future, therefore it's recommended that you allow for this.

7.1 Post XML

All the job posting detail nodes will be included every time, and where Jobg8 has not been supplied with a piece of information the node will be empty.

```
<Jobs>
  <Job Action="Post">
    <AdvertiserName>123 Recruitment</AdvertiserName>
    <AdvertiserType ValueID="15890">Agency</AdvertiserType>
    <SenderReference>Example123/11514</SenderReference>
    <DisplayReference>Example123</DisplayReference>
    <Classification ValueID="6215">I.T. & Communications</Classification>
    <SubClassification>Other</SubClassification>
    <Position><![CDATA[Software Developer]]></Position>
    <Description><![CDATA[Experienced software developer required for exciting new startup company. Must have at least 2 years commercial experience in C#, ASP.Net and SQL, and be use to working in a team environment.]]></Description>
    <Country ValueID="246">United Kingdom</Country>
    <Location ValueID="12037">Essex</Location>
    <Area ValueID="94722">Colchester</Area>
    <PostalCode>CO1 8PD</PostalCode>
    <ApplicationURL>http://www.jobg8.com/Application.aspx?ABC123</ApplicationURL>
    <DescriptionURL>http://www.jobg8.com/Application.aspx?ABC123</DescriptionURL>
    <Language ValueID="120036">2057</Language>
    <ContactName>Joe Bloggs</ContactName>
    <EmploymentType ValueID="2164">Contract</EmploymentType>
    <StartDate>As soon as possible</StartDate>
    <Duration>6 Months</Duration>
    <WorkHours ValueID="2190">Full Time</WorkHours>
    <SalaryCurrency ValueID="1078">British Pound . GBP</SalaryCurrency>
    <SalaryMinimum>2000</SalaryMinimum>
    <SalaryMaximum>2000</SalaryMaximum>
    <SalaryPeriod ValueID="2177">Monthly</SalaryPeriod>
```

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```
<SalaryAdditional>Pension and Health Care</SalaryAdditional>
<JobSource>Job Source ABC</JobSource>
<JobSourceURL>http://www.JobSourceABC.com</JobSourceURL>
<VideoLinkURL></VideoLinkURL>
<AdditionalClassification1
ValueID="6208">Education</AdditionalClassification1>
<AdditionalClassification2></AdditionalClassification2>
<AdditionalClassification3></AdditionalClassification3>
<AdditionalClassification4></AdditionalClassification4>
<LogoURL>http://www.jobg8.com/1.png</LogoURL>
<JobType>APPLICATION</JobType>
</Job>
</Jobs>
```

7.2 Amend XML

The Amend XML is exactly the same as the Post XML, apart from the Action attribute in the Job Node will contain the *Amend* Keyword.

E.g.

```
<Job Action="Amend">
```

7.3 Delete XML

The delete XML is only used in the incremental approach, and needs only to contain the Sender Reference. By its very nature the snapshot feed type does not require any specific delete request.

E.g.

```
<Jobs>
  <Job Action="Delete">
    <SenderReference>Example123/11514</SenderReference>
  </Job>
</Jobs>
```

7.4 Response XML

If the HTTP POST method is used, the following response XML will be expected. If it is not implemented or a different response is received, Jobg8 will assume the request has been successful.

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The response XML should include a node for each job posting contained in the feed request. This Job node should include the Jobg8 SenderReference so the job posting can be identified; along with a Successful node that is expecting a Boolean value. If the job posting was unsuccessful then the message node can be populated to include the failure reason.

Below is an example of the Response XML, which contains both a successful and unsuccessful response:

```
<Jobs>
  <Job>
    <SenderReference>Example123/11514</SenderReference>
    <Successful>True</Successful>
    <Message></Message>
  </Job>
  <Job>
    <SenderReference>Example123/11514</SenderReference>
    <Successful>False</Successful>
    <Message>Invalid Location</Message>
  </Job>
</Jobs>
```

7.5 Additional Files

XML schemes and example files are available upon request.

8. Testing

If testing is required, Jobg8 has a training system that can be utilised, whereby test feeds can be sent to you and the subsequent responses can be inspected. Please contact your Jobg8 account manager if this facility is required.

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9. Applications Methods

Jobg8 enables job applications to be made by three methods:

1. We provide a URL to an Application form that the candidate completes, uploads a document and submits.

Application Method: Application

2. We provide a URL that will link directly to an advertiser's website.

Application Method: ATS Apply

3. We provide a URL that will link directly to the job on the posting Job Boards website.

Application Method: Traffic

This is most important to note if you are planning to present the Jobg8 Application form in an iframe. To handle the presentation of the Application and ATS Apply correctly the following section defines the application process.

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9.1 Application Process

The application type can be identified from the JobType node.

<JobType>APPLICATION</JobType>

Applications require an application form be completed by the candidate. This application form can either be displayed in an IFrame or popped up in a new window.

The below application form will be displayed behind your Apply option. This is the default styling and can be enhanced via the Jobg8 Website to appear more in line with your own styling.



Your Logo

Software Developer
Permanent

Location: Colchester, Essex, United Kingdom

Reference: Example123/11917

Salary: 20000 GBP

Start Date: 1 Month

First Name *

Surname *

Email Address *

Contact No.

What qualifies you to work in the UK? *

Upload your CV. *

Upload a cover letter.

The ATS Apply can be identified from the JobType node.

<JobType>ATS</JobType>

The page should redirect to a new page where the candidate will be sent to the advertisers website to make their application.

Please note; ATS Apply URLs should **ONLY** be accessed by candidates. Automated processes, page preloading or manual testing will cause the URLs to be disabled.

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9.1.1 Pre-filling the Application Form

There is functionality available for you to pre-fill an application form with a candidate's details, hence saving them time when applying for a job. This can be done by passing the information across via the query string of the Application URL.

The following data can be pre-filled:

- Title
- FirstName
- LastName
- Address
- AddressLine2
- County
- Town
- PostCode
- HomeTelephone
- WorkTelephone
- Mobile
- Email
- CustomText

CustomText is a free text field that can be used by you to provide additional tracking information. E.g. the identifier of the website supplying the applicant, or the identifier of the applicant within your system.

We strongly recommend that you complete the Application pre filling option where possible. The completion of applications by candidates on average increases by 20% when this facility is put in place. This in turn will mean an increase in revenue for the website.

Example

A job is provided with the following Application URL:

<http://www.jobg8.com/Application.aspx?ABC123>

This can then be modified to include additional query string key/values pairs:

<http://www.jobg8.com/Application.aspx?ABC123&FirstName=John&LastName=Smith>

In this example the First Name and Last Name text boxes on the application form will be pre-filled with the text John and Smith respectively.

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9.1.2 Language

Functionality is provided to display the job details and application form in a different language. When choosing another language only certain information will be able to be altered, for instance the job description will remain in the language it was received in.

This language selection can be done by added a language parameter to the query string of the URL.

For example an English (United Kingdom) application is shown by adding language 2057:

<http://www.jobg8.com/Application.aspx?ABC123&Language=2057>

And a German application is shown by adding language 1031:

<http://www.jobg8.com/Application.aspx?ABC123&Language=1031>

A full list of language codes is available from a Values Spreadsheet, which can be provided upon request.

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10. Filtering

You can configure which job postings you wish to receive in your feed. The following job details can be filtered:

- Classification
- Country
- Location
- Area
- Language
- Position (keywords only)
- Description (keywords only)
- Employment Type
- Working Hours
- Pay Period
- Salary
- Currency
- Advertiser Name
- Advertiser Type

The type of job postings that will be included in your feed should have already been discussed with your Account Manager and configured on the Jobg8 set up.

11. Advertisers Display

Jobg8 will provide your site with job content from many different advertisers. When you display the job posting on your site please ensure that you display the advertisers name as provided in the job feed and not Jobg8.

12. Application Details

As Jobg8 manage the application form on your behalf the candidate details are collected and available for your use.

A web service is available for you to collect the complete application detail including the CV/Resume and where applicable the Cover Letter.

This service can also be used if you wish to collect the application numbers for your own statistics. Please contact your Account Manager who will be able to provide you with the *Seller - Web Service document*.

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