

SpiderMount: Job Wrapping API

Introduction

This document provides SpiderMount job spider posting interfaces options for automatic job publishing to 3rd party applications (i.e. job board, recruitment database) and example of integration with bulk job posting interface.

Posting Process

Job spider collects jobs parsed and creates either:

- Single file containing both commands and all jobs content
- Multiple files (one for each job)

XML/CSV/JSON created is posted via HTTP to your job board interface / URL or other way described below.

Job posting options

SpiderMount job wrapping service can post to your job board / database via following options:

1. Push jobs XML, CSV, JSON file to your URL via various HTTP methods, i.e. POST, PUT, GET
2. Upload jobs file to your FTP or sFTP folder
3. Upload jobs file to Amazon S3 bucket
4. Submit into HTML form
5. Provide a direct link with XML or CSV file for your software to download from*.
6. REST API
7. SOAP API
8. Your proprietary API: custom interface can be integrated.

*Download XML option can be used for automatic posting to *WordPress* job board via *WPAAllImport* plugin, for example.

Synchronization mode

Jobs can be synchronized in a following ways:

- 1) Full snapshot - deliver all live jobs:
 - a) All of the jobs available in database based on latest scraping session will be posted
 - b) Expired jobs will not be removed by spider and should be handled on recipient side
- 2) Differential sync - synchronize changes:
 - a) Only newly downloaded jobs will be posted
(jobs posted in previous sessions will not be repeatedly posted)
 - b) Jobs expired on source website will be removed
 - c) Jobs that changed will be updated
- 3) Hybrid modes i.e. post all live jobs and remove expired - custom sync options also possible.

Popular bulk posting interface example: push jobs XML to HTTP URL.

SpiderMount posts jobs XML via existing bulk posting interface used by popular job distribution services, i.e. Broadbean, Idibu. Jobs XML is customized as per client recipient database fields & values.

Custom Jobs XML example

```
<?xml version="1.0" encoding="UTF-8"?>
<jobs>
  <job>
    <id>293328306</id>
    <posted_time><![CDATA[2010-12-06 04:22:56.107]]></posted_time>
    <Ref>100TT</Ref>
    <Title>Product Specialist</Title>
    <url><![CDATA[https://company.taleo.net/?job=11111]]></url>
    <City>Florida</City>
    <Country>United States</Country>
    <State>Florida</State>
    <JobCategory>Sales</JobCategory>
    <Job_type>Full-time</job_type>
    <Description><![CDATA[Sample company description...
<br><br><b>Qualifications:</b><br><P>Oral and written communication skills to communicate
with customers and support personnel... </P>]]></Description>
  </job>
  <job>
    ...
  </job>
</jobs>
```

Standard Job Spider commands for bulk posting interfaces

- 1. Add job**
Posts new job
- 2. Remove job**
Expires job already posted
- 3. Update job**
Replaces content of a job already posted

XML Tags List

Fields are configured to match recipient job board interface:

1. Post
2. employer_company_name
3. ...

URL to post to

Specify_your_job_board.com/interface/post to post to via HTTP

XML query example:

```
<?xml version="1.0" encoding="UTF-8"?>
<post>
<employer_company_name>Sample Company Name</employer_company_name>
<employer_title>Sample Title</employer_title>
<job_id>12345</job_id>
<job_title>Sample Title</job_title>
...
</post>
```

XML response example (if OK):

```
<response>
<status>success</status>
<url>url</url>
<id>17807</id>
</response>
```

Remove Command URL

Specify_your_job_board.com/interface/remove

XML response example (if OK):

```
<response>
<status>success</status>
</response>
```