Aspen Tech Labs

# Job Spider XML / HTTP Posting

## Introduction

This document provides job spider posting interface description for automatic job publishing to 3rd party job board application.

## Posting Process

Job spider collects jobs parsed and creates either:
1. Single XML file containing both commands and all jobs content
2. Multiple XMLs files (one for each job)

XML created is posted via HTTP to your job board interface / URL.

## Synchronization mode

Job posting can be delivered in one of 2 modes:
1. Synchronize jobs:
   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

2. Re-post all jobs:
   a. All of the jobs available in database based on latest scraping session will be passed to job board
   b. Expired jobs will not be removed

## Standard Job Spider commands:

**1. Add job**
Posts new job or updates current one

**2. Remove job**
Expires the 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 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>
…
```

## XML response example (if OK):

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

Please note: format of response XML can't be changed

## Remove Command

URL: supplyURL_to_remove

## XML response example (if OK):

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

Please note: format of response XML can't be changed

## Alternative posting means & custom jobs XML

Custom posting options can be mapped for target job boards having no HTTP interface described above.

Client target job board can have both:
- unique XML format mapped (based on target job board database settings)
- posting organized via sFTP, email send, fetch from spider URL

**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>
```