# Sending Job Requsition Data to Tenstreet
## API Guide (rev 09/2018)

## Contents

## Introduction

For anyone wanting to send data to us, their only option is to set up an XML POST or consume our Web Service (WSDL). We don't have the ability to receive emails and import them in.

The transmission would have a text/xml UTF-8 header and do not come over as a url-encoded field. We take whatever information is sent over and put it into our system.

# Agreements and Acknowledgements

## Understanding the API

You are responsible for understanding the basics of xml and HTTP posting, and understanding the information contained within this document.

## Debugging

You are responsible for parsing the Tenstreet response for debugging purposes. Failure to do so will result in data not being accepted into the system. If the posting type requires you to send a response back to our system, you are also responsible for sending that response, otherwise our system will not consider operations complete.

## Logging

We expect you to keep both post and response logs of data that has been sent and received. **We expect this to be kept for at least 1 calendar year**. Tenstreet keeps the same data for 1 calendar year. This ensures the ability to audit all transactions from both sides.

## Data Accuracy

If you have access to update multiple accounts (usually in the case of a job board), you also acknowledge that you will be responsible for posting the correct information to the correct account. Tenstreet will only validate that the passed Company ID and Password match, but will not attempt to validate that the information being sent belongs to the Company ID provided.

## Support Requests

We want you to receive and send data to our system as your business use requires. We have a dedicated support group that handles requests about integrating your data with us at integrations@tenstreet.com.

If you need to contact us for support, please note that we are working toward getting you a response in the order it was received in the support queue, and that can take several elapsed working days. Sending more requests will just put your need further behind in the queue as we will have to handle them all separately. So please send one really well-formed request at a time.

This service is very popular, technical, and requires us to free up resources to answer your questions. But we *will* get to them.

When sending support requests, **please include**:
--------------------------------------------
a) The Tenstreet XML response you are receiving if you are receiving one at all

b) your outbound or inbound ips (as relevant)

c) The URL you are posting to, as it is quite often that clients post to the development URL for their production data and get a response that says the company id is invalid, so make sure you are posting to the right environment.

d) The XML you are sending or receiving (as relevant), This speaks volumes to us, and will ultimately expedite your request. Do not send us PII data like an SSN. Just replace that with xxx-xx-1234 in the file before you send it. Or delete it completely, it is not usually relevant to a support case.

e) A phone number, time zone, and time frame in which we can reach you. Often these issues are less overhead to resolve with a single phone call rather than multiple emails.

# Authentication to the Tenstreet API

To authenticate your request, you must supply an authentication node in your xml. Please review the following table for a description of the node.

TenstreetData\Authentication

| Node | Data Type | Required | Description |
|------|-----------|----------|-------------|
| ClientId | Integer | Required | Provided by Tenstreet. This is your internal client id in the Tenstreet API system, not your Company ID |
| Password | String | Required | Provided by Tenstreet. This is a password generated specifically for using the Tenstreet API. It will be used for all API service, but nowhere else in the system. |
| Service | String | Required | The service you are requesting. |

## Example

The xml you need to use for this node looks like the follow and must be at the top of your file:

```
<Authentication>
   <ClientId>2</ClientId>
   <Password>987u34hng87asdh</Password>
   <Service> </Service>
</Authentication>
```

## Considerations

**PLEASE NOTE:** This above is sample data. To receive your credentials, please contact integrations@tenstreet.com

# Overview

## POST Request

Please review the following table for a listing of all the nodes that can be passed in this request, if they are required or not, and a description of what type of data can be passed in.

JobRequisition
This section is contains information about the job
TenstreetData\JobRequsition

| Node | Data Type | Required | Description |
| --- | --- | --- | --- |
| CompanyID | Integer | Required | Provided by Tenstreet. Your internal Company ID, used to route your info to the correct Tenstreet customer<br><br>Example: 15 |
| JobCode | String | Required | This will be the Job Code of the new Job Requisition being created. |
| JobTitle | String | Required | This will be the Job Title of the new Job Requisition being created. |
| City | String | Required | The city the new Job Requisition will be in. This must match a city they have access to in the City dropdown on the Manage Job Requisitions page. |
| State | String | Required | The state the new Job Requisition will be in. Should be a US state or Canadian province. |
| Country | String | Required | The country the new Job Requisition will be in. |
| Department | String | Optional | The department for the new Job Requisition. This will show in the Division/Department text field. |
| Division | String | Optional | The division for the new Job Requisition. This will show after the Department in the Division/Department text field. |
| Worklist | String | Optional | The worklist for the new Job Requisition. This must exactly match one of the |

| | | | |
|---|---|---|---|
| | | | company's Worklist values, or it will be ignored. |
| Category | String | Optional | The category for the new Job Requisition. This must exactly match one of the categories they have in the Category dropdown on the Manage Job Requisition screen. |
| AppCompanyId | String | Optional | If sending to an alias company, the company id of the alias should go here. |
| StartDate | Date | Required | The date the new Job Requisition should start. To ensure it works correctly, please send dates in YYYY-MM-DD format. |
| EndDate | Date | Required | The date the new Job Requisition should end. To ensure it works correctly, please send dates in YYYY-MM-DD format. |
| JobDescription | String | Required | The Job Description of the new Job Requisition. |
| JobRequirements | String | Required | The Job Requirements for the new Job Requisition. |

## Example
For an example XML file, please click here

## POST Response

You will always receive a POST response from Tenstreet, regardless if the attempted post was accepted or rejected, or if nothing occurred during the post. Please review the following table for a description of the XML and nodes that will be sent back.

### TenstreetResponse

| Node | Data Type | Description |
|------|-----------|-------------|
| Status | String | ACCEPTED or REJECTED. The description node will contain more information regarding this message |
| Description | String | Description of what happened |
| Version | Float | Version of the Tenstreet API that is responding |
| SourceIpAddress | String | IP Address the original POST request came from |
| CompanyPostedToId | Integer | Internal ID that the information was posted to |
| DateTime | DateTime | Date and time the response was sent, in CST |
| Mode | String | Dev or Prod, based on the system that is responding |
| JobRequisitionId | Integer | The ID in Tenstreet of the new Job Requsition |

## Example

For a sample XML file, please click here

# Transmitting Data

## Standard HTTPS POST

We've made an attempt to make the POST/response process as straightforward as possible. There are two types of data transmitting we accept. The standard HTTP POST and SOAP (Web Service) call.

**Dev URL:** https://devdashboard.tenstreet.com/post/
**Production URL:** https://dashboard.tenstreet.com/post/

We will provide your CompanyId to you, along with a ClientId and Password. POST the data as an XML string to us with text/xml headers (not urlencoded or with a POST variable). In procedural PHP, it would look something like this:

```
$post_address = 'https://devdashboard.tenstreet.com/post/';
$ch = curl_init();

curl_setopt($ch, CURLOPT_URL, $post_address);
curl_setopt($ch, CURLOPT_VERBOSE, 1);
curl_setopt($ch, CURLOPT_RETURNTRANSFER,1); // return into a variable
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/xml; charset=utf- 8'));
curl_setopt($ch, CURLOPT_POST, true);
curl_setopt($ch, CURLOPT_SSL_VERIFYPEER,  FALSE);
curl_setopt($ch, CURLOPT_SSL_VERIFYHOST, 0);
curl_setopt ($ch, CURLOPT_POSTFIELDS, $xml_data); // add POST fields

$response_xml = curl_exec($ch); // run the whole process

curl_close($ch); // Always close the connection

echo $response_xml; // $response_xml now contains Tenstreet response.
```
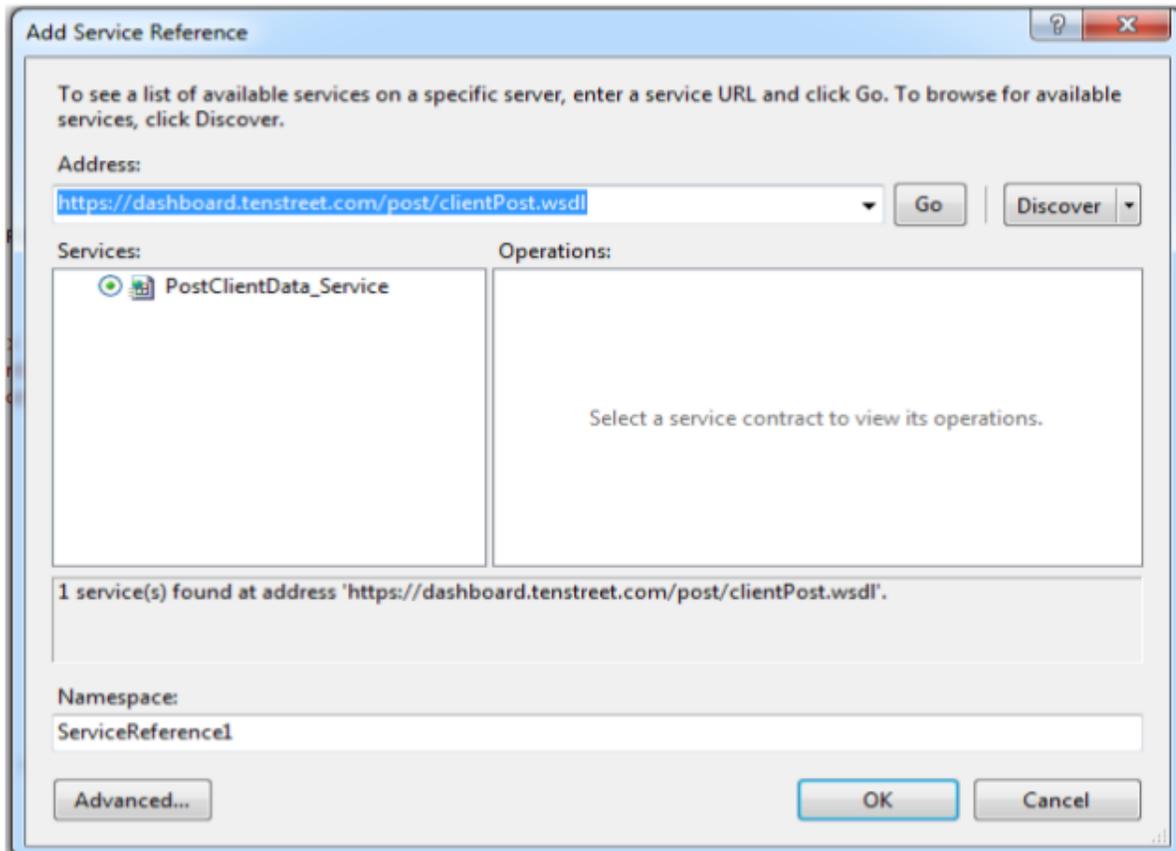
## WSDL Consumption

1. The WSDL for consumption is located here:
   a. Prod: https://dashboard.tenstreet.com/post/clientPost.wsdl
   b. Dev: https://devdashboard.tenstreet.com/post/clientPost.wsdl

2. From Visual Studio (just taking a guess this is what IDE you are using), right-click on 'References'

3. Select 'Add Service Reference'



4. In the 'Address' box enter the WSDL location above and click 'Go':

5. Rename your 'Namespace' for your service reference, and then click 'OK'

6. Once the service has been loaded, calling the service and using the methods looks as follows:
   TenstreetPostService.ClientPost_PortClient client = new
   TenstreetPostService.ClientPost_PortClient();

   var xml = "XML from Appendix A Here"; var postResult = client.PostClientData(xml, **client_id**, "**Password**", "**service**");

The main points of interest are the first and last line. The first line is creating the web service client, and the last line is calling the generic 'PostClientData' method. Please note that VS will show you the arguments for this method, but they are 'xml', 'client_id', 'password', 'service'

The **client_id** is an integer Tenstreet will assign to you as soon as we are ready to do testing.

**Password** will be assigned to you by Tenstreet as well, and will serve as authentication and identification between our 2 systems.

**Service** will also be given to you by Tenstreet and will be a string.

# Appendix

Types
a. Truck Types
    i. Tanker
    ii. Bus
    iii. Cabover Tractor
    iv. Class B Vehicle
    v. Conventional Tractor
    vi. Tractor-Trailer
    vii. Intermodal
    viii. Day Cab
    ix. Day Cab Cabover
    x. Day Cab Conventional
    xi. Dump Truck
    xii. LC Truck
    xiii. Straight Truck
    xiv. Yard Horse
    xv. Other

b. Trailer Types
    i. Flatbed
    ii. Van
    iii. Container
    iv. Single Trailer
    v. Doubles
    vi. Triples
    vii. Liftgate
    viii. Reefer Trailer
    ix. Tank Trailer
    x. Auto Transporter
    xi. Other