

Sending Documents to Tenstreet

API Guide (rev 06/2017)

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Introduction

Along with sending subject information, the Tenstreet API can also accept documents programmatically. This guide will instruct you on how to set up an XML poster to send data that the system can accept. This guide can also be used in conjunction with “Sending Application Data to Tenstreet” under the “Payload” node

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>PROVIDEDBYTENSTREET</ClientId>  
  <Password> PROVIDEDBYTENSTREET </Password>  
  <Service> document_listener</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.

TenstreetXML

Node	Required	Data Type	Description
Mode	Required	String	Valid data "TEST" or "PROD". Informational for sender. Not used on Tenstreet side
Company	Recommended	String	Informational for send and receive side. Example "My Company Name, LLC"
CompanyId	Required	Integer	Tenstreet will supply you with this number during integration
SSN	Required	String or Int	Valid examples: 111-22-3333 111-222-333 111223333
DriverId	Optional	String or Int	Informational for send and receive side
QuoteBack	Optional	String or Int	Informational for send and receive side

TenstreetXML\Payload\Action\File (Repeatable)

Node	Required	Data Type	Description
FileId	Optional	String or Integer	Informational for send and receive side
FileCode	Optional, but strongly recommended	String	Document "Type" in dashboard. Examples: MVR, PSP, Certificate of Compliance, Driver's Certificate of Violation. Tenstreet can provide you with a list of avlid values. In the event you choose not to send a valid value, we will attempt to apply one
FileStorageType	Optional, but strongly recommended	String	Informational for send and receive side
DateCreated	Optional	DateTime	Informational for send and receive side.

			Format must be yyyy-mm-dd Example: 2014-02-11
FileCategoryName	Optional	String	Informational for send and receive side. Examples: General, Background
Filename	Required	String	The full name of the file you are sending. Example: USIS_SSN_Check_Sample_Report.pdf
FileSize	Optional	Integer	Informational for send and receive side. Should be the size of the file in bytes
FileType	Optional	String	Informational, we will attempt to determine the real mime-type of a file, but it is helpful if you tell us what you are sending. Example: If sending a pdf, the mime-type will be application/pdf
FileData	Required	Base64 Encoded String	The contents of the file being sent
FileExpiration	Optional	DateTime	The date that the file is no longer valid. Format must be yyyy-mm-dd Example: 2014-02-11

Example

For a sample XML file, [please click here](#)

Considerations

We identify the company in our system using the CompanyId field. Each company in our system has a unique ID (732, 10281, etc.). The sender would need to store these values for each company when they send them over.

You can fill in however few or many of the fields as you want, so long as the required fields are met.

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.

TenstreetDocumentDataResponse

Node	Data Type	Description
Statuses	String	Node that contains information for each document posted
Description	String	Description of what happened
Version	String	Version of the Tenstreet API being used
DateTime	DateTime	Date and Time that the request was processed
Mode	String	TEST or PROD. Environment that the request was accepted to
SSN	String	SSN of the subject that the document was posted to
DriverID	String	Driver ID that the document was posted to
QuoteBack	String or Int	Informational for send and receive side
ReceiveId	Int	Reference ID. Used when there is an issue to report to Tenstreet for finding the post in our records.

TenstreetDocumentDataResponse\Statuses\Status (Repeatable)

Node	Data Type	Description
Filename	String	Name of the file that was posted in
Description	String	Description of what happened during the posting.
Response	String	ACCPEDED or REJECTED. See description for details

Of these fields, the two that will always be sent are Status and Description. The rest may return blank or not be present:

1. Status - ACCEPTED or REJECTED
2. Description - This can say anything, and is visible in the user interface if the status is Rejected (so that a user can take action). Some of our customers have listeners that require certain fields to be set and have validation routines that run, echoing responses in the description upon failure.

We show these to the user to remind them to populate certain fields.

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

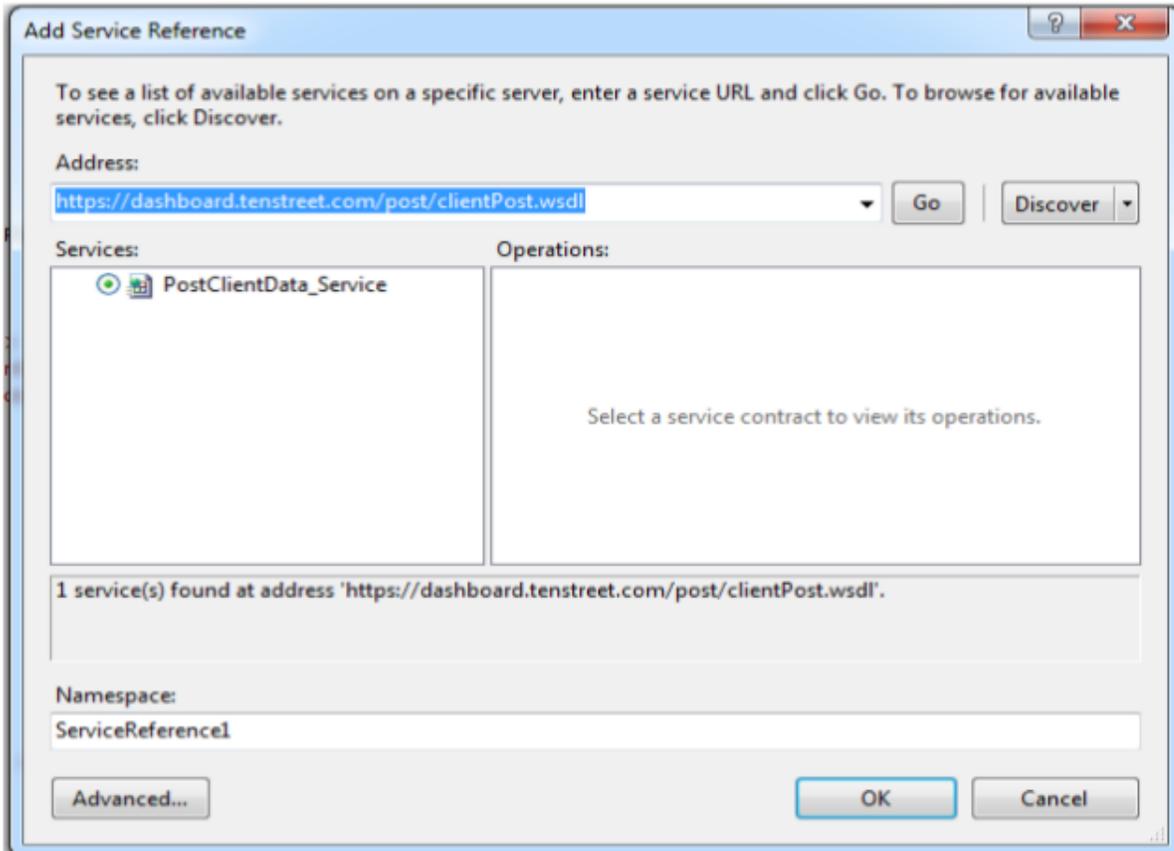
curl_close($ch); // Always close the connection

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.