

# Trestle™

## For Technology Providers

---

### Contents

Introduction.....	2
Trestle Subscriptions .....	3
Product Manager.....	10
Product Information .....	11
Data Feed Information .....	12
Account Manager .....	22
User Manager .....	22
Payment Information .....	26
Connections.....	28
Connection Manager .....	28
Adding a New Connection .....	28
E-Signature Processing .....	41
Data Feed Inception .....	42
Declined Connections.....	42
Transport Mechanisms.....	42
Web API .....	43
RETS .....	44
Basic Search Arguments .....	44
Query Fields by Data Type.....	45
Query Logical Operations .....	47
Examples.....	47
Data Feeds .....	48

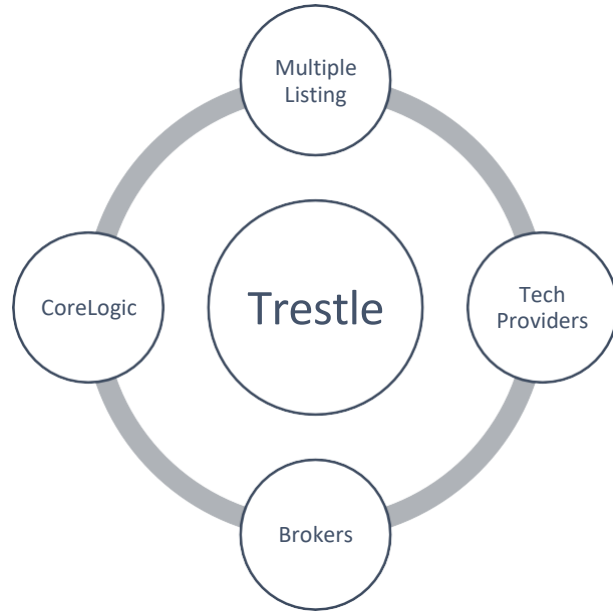
# Introduction

Trestle™ is a data delivery and productivity solution. The full delivery of Trestle to power governed distribution of RESO-compliant listing data continues its phased and progressive march forward.

With the Trestle latest release, Technology Providers such as yourself can subscribe to Trestle, undertake the simple configuration required to use the service, and begin making connections to license listing content from Multiple Listing Organizations.

This guide provides specific instructions to:

- [Subscribe](#) to Trestle
- Configure your [Product\(s\)](#)
- Configure your [Account](#)
- Make [Connections](#) to license content from Multiple Listing Organizations



This document also reviews guidelines to access to listing content via the WebAPI, as well as data contained in the initial RESO-compliant data feeds offered by RETS and/or WebAPI.

Trestle is a ground-breaking solution to help you author and deliver ground breaking services to your clients. Let's get started!

[<Top>](#)

## Trestle Subscriptions

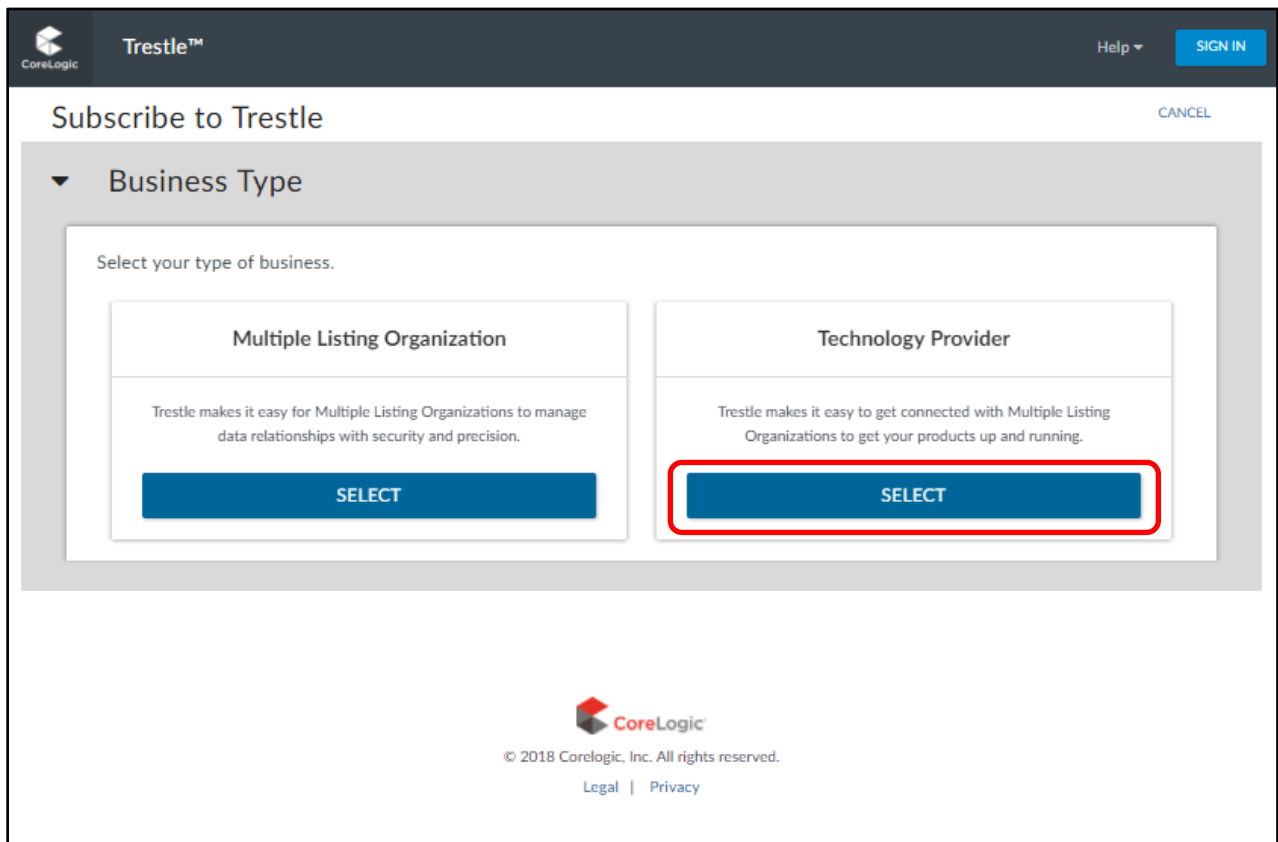
Your organization must subscribe to Trestle to undertake configuration and commence making Connections to license listing data. Trestle subscriptions are month to month, and there is no cost until one or more Connections to license data are approved.

Please follow the instructions below to subscribe to Trestle. Before you begin, please review the instructions to ensure you have gathered all the information required to successfully complete the process.

- Go to <https://trestle.corelogic.com/> and click on “Get Started”.

The screenshot shows the Trestle website interface. The top navigation bar contains the CoreLogic logo, the Trestle logo, and several menu items: 'Multiple Listing Organization', 'Technology Providers', 'Brokers', and 'Help'. On the right side of the navigation bar, there are two buttons: 'SIGN IN' and 'GET STARTED'. The 'GET STARTED' button is highlighted with a red rectangle. The main content area features a large image of a hand in a suit pointing at a central padlock icon. Surrounding the padlock are several other icons: a dollar sign, a cloud, an envelope, a laptop, a shopping cart, a smartphone, and a speech bubble. Below the image, the text reads 'Your Listings. Your Control.' and 'Trestle puts ultimate control at your fingertips. Your Connections, your Data Feeds, your Fees.' At the bottom of the page, there is a dark blue bar with the text 'Discover Trestle'.

- Select your business type as “Technology Provider”. To continue, click the **Select** button appearing inside the Technology Provider box.



- Enter your **Primary Contact Information**. As the person completing the subscription forms, you are probably the Primary Contact who will be responsible for general administration of your organization's Trestle account.

**PLEASE NOTE:** The Primary Contact must be someone from your organization who has the authority to approve the Trestle subscription agreement on behalf of your company. If that is not you, please be prepared to provide that person's contact information instead.

To enhance security, a strong password is required. Note that your password must contain at least one uppercase letter, one lowercase letter, one number, and one special character (such as # or @).

When you have entered all the required Primary Contact Information, click Next.

The screenshot shows the 'Primary Contact Information' form in the Trestle™ interface. The form is titled 'Primary Contact Information' and is labeled as 'Step 2 of 4'. It includes a header with the CoreLogic logo and 'Trestle™' on the left, and 'Help' and 'SIGN IN' on the right. The form contains several input fields: 'FIRST NAME \*', 'LAST NAME \*', 'JOB TITLE', 'PRIMARY PHONE \*', 'MOBILE PHONE', 'EMAIL ADDRESS \*', 'PASSWORD \*', and 'CONFIRM PASSWORD \*'. Below the password fields, there is a checkbox for 'EMAIL OPT-IN \*' with 'YES' selected. At the bottom of the form, there are two buttons: 'CANCEL' and 'NEXT'. The 'NEXT' button is highlighted with a red rectangular box. The footer of the form includes the CoreLogic logo, the copyright notice '© 2018 Corelogic, Inc. All rights reserved.', and links for 'Legal' and 'Privacy'.

- Enter your **Company Information**. Be prepared to enter the full legal name of your corporation, as well as the state of incorporation.

Please also enter the signatory name, title, and email address of the person in your company who will execute data license agreements with Multiple Listing Organizations via Trestle. This will typically be the chief executive officer of your company, but might be another officer of your company.

When you have entered all the required Company Information, click **Next**.

CoreLogic Trestle™ Help SIGN IN

### Company Information

Step 3 of 4

Please enter your Company information.

COMPANY NAME \*

STREET ADDRESS (LINE 1) \*

STREET ADDRESS (LINE 2) \*

CITY \*

COUNTRY \* United States

STATE/PROVINCE \* Alabama

ZIP / POSTAL CODE \*

FAX

Please enter the individual who will execute data licenses.

SIGNATORY NAME \*

SIGNATORY TITLE \*

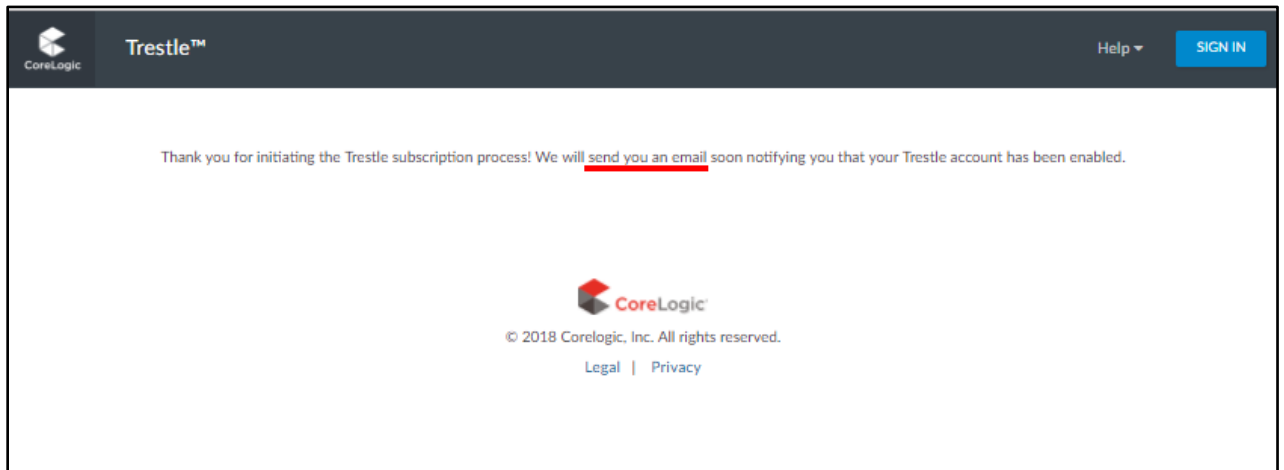
SIGNATORY EMAIL \*

STATE/PROV OF INCORPORATION \* Alabama

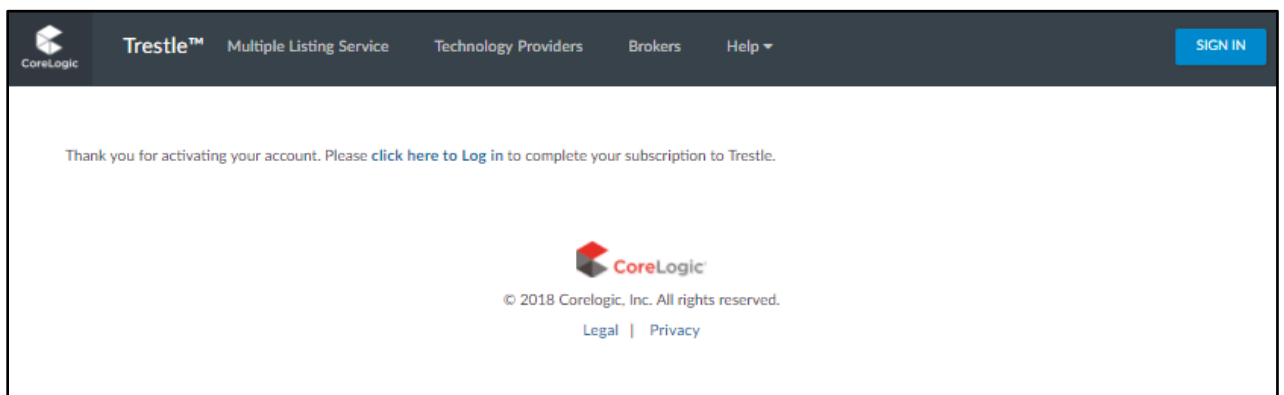
PREVIOUS CANCEL NEXT

CoreLogic  
© 2018 Corelogic, Inc. All rights reserved.  
Legal | Privacy

- After you complete the above step, Trestle will send an email to the Primary Contact containing a link to the activate your subscription.



- Please click the Trestle link in your email to activate your account.



- Login with your email address and previously set password.

CoreLogic Trestle™ Help SIGN IN

### Login

USER NAME (YOUR EMAIL ADDRESS)


PASSWORD (CASE SENSITIVE)

REMEMBER ME?

SIGN IN CANCEL

[Forgot your password?](#)

[Don't have an account? SIGN UP NOW](#)

 CoreLogic

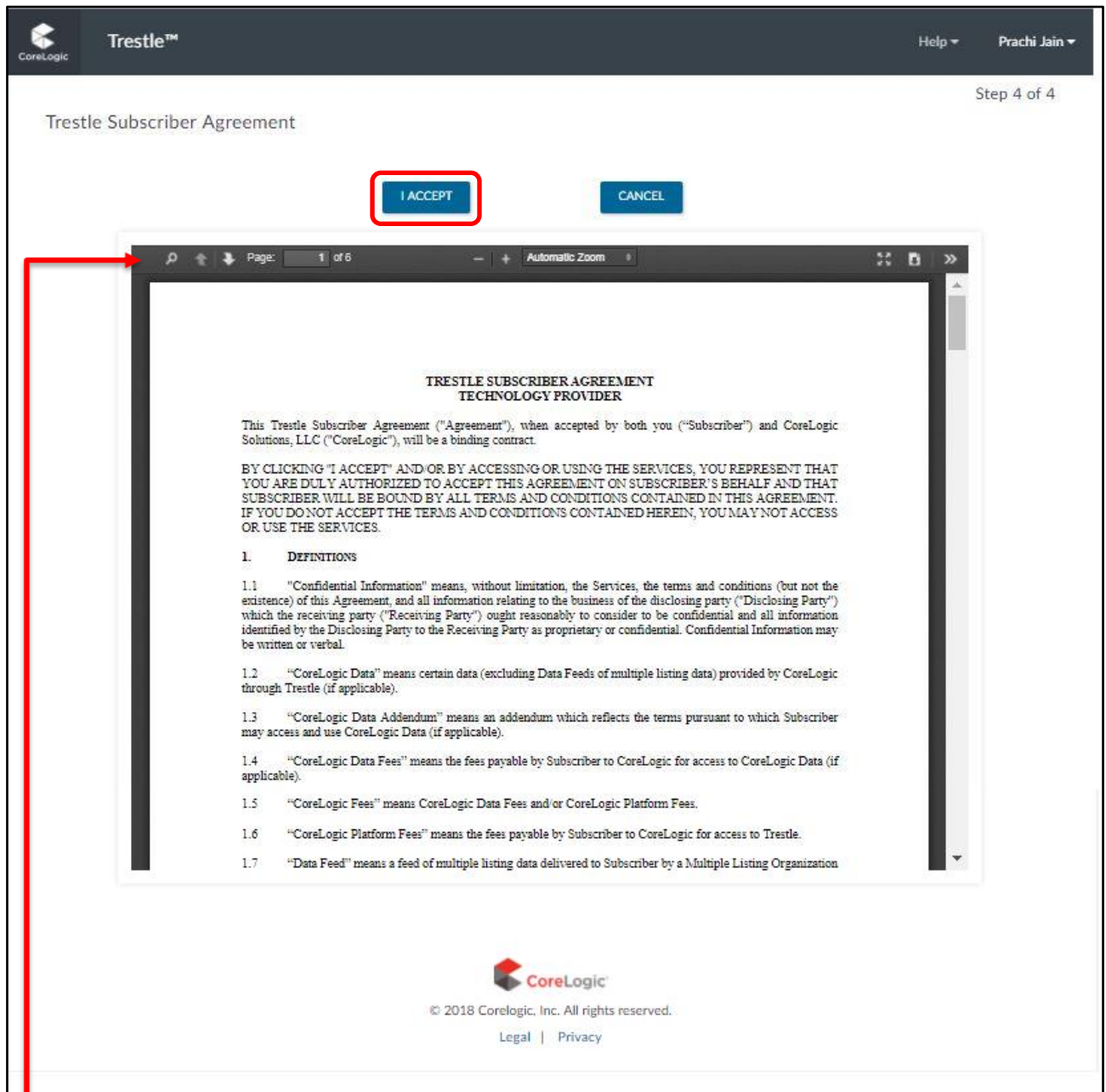
© 2018 Corelogic, Inc. All rights reserved.

[Legal](#) | [Privacy](#)



- Trestle will display the subscription agreement after your login. Please click **I Accept** to accept the Trestle Subscription Agreement.

Welcome aboard!



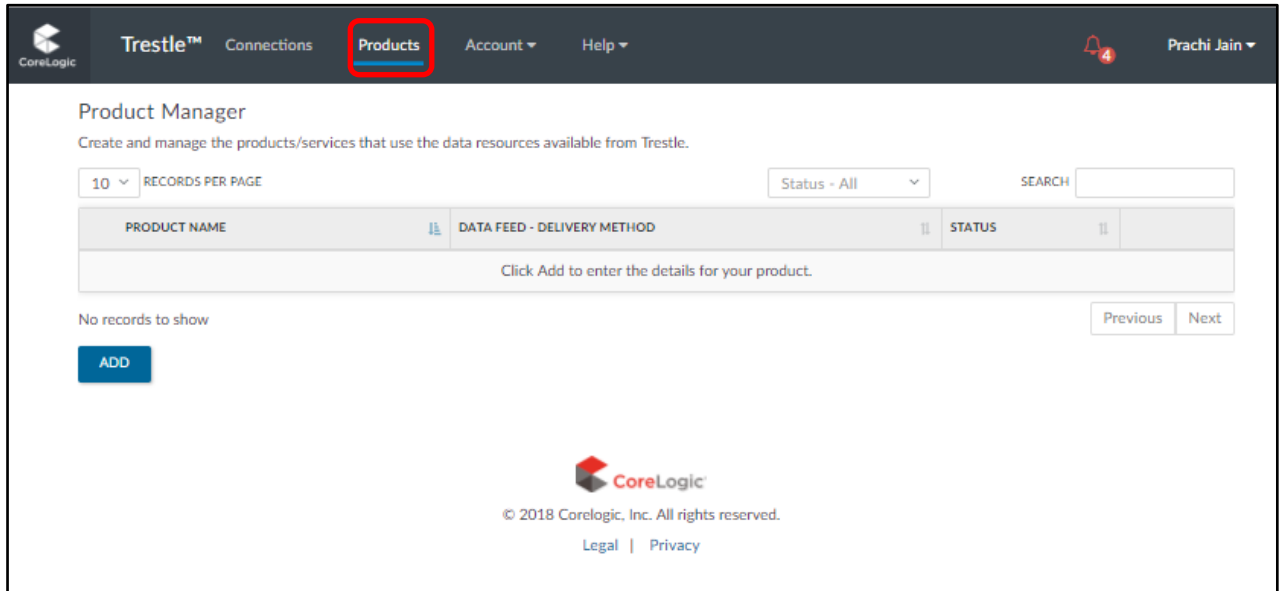
*You will find the tools to support document searching, navigation, zoom, and saving a local copy of the agreement directly above the Trestle Subscriber Agreement*

[<Top>](#)

# Product Manager

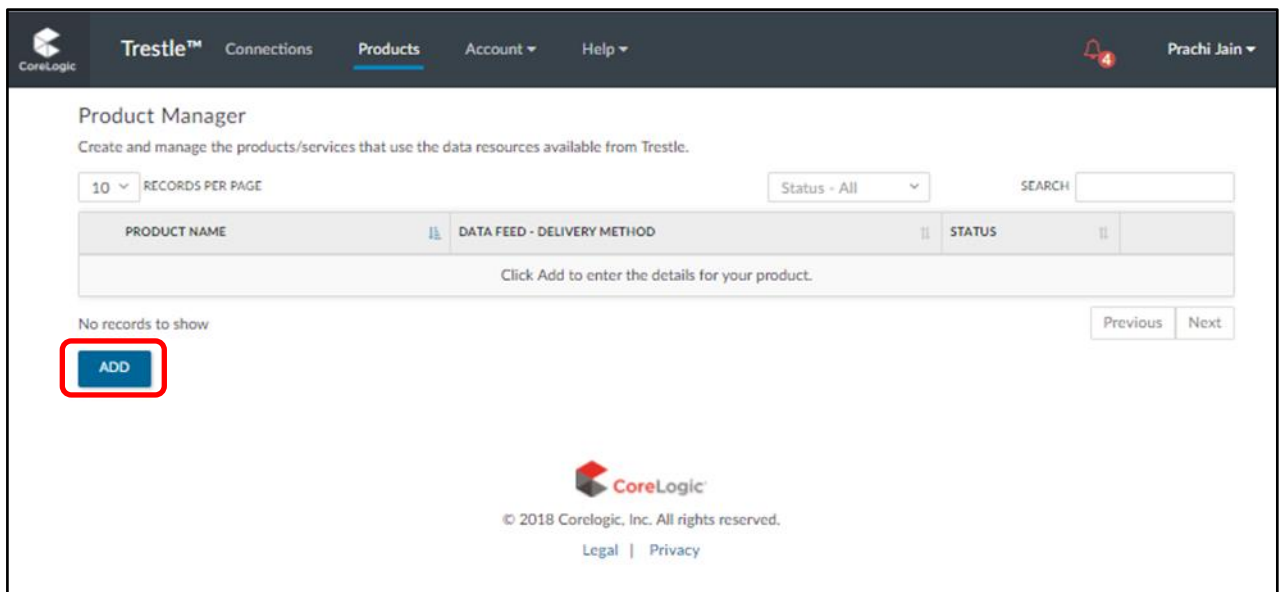
The Product Manager enables you to enter one or more products for which you may seek to license listing content via Trestle. To make Connections via Trestle and ultimately license listing content from a multiple listing organization, you must enter at least one product.

- Click on the “Products” tab in the top navigation.



- To add your first product, please click Add. Entering a product has two distinct tasks:

- Enter Product Information
- Enter Data Feed Information



## Product Information

Enter the following product information:

- **Product Name**
- **Product URL/Location** with which actual services are associated
- **Product Description**
  - The product description is important as it's visible to Trestle subscribers who wish to learn more about your solution. Consider it free marketing!
  - When you initiate a Connection with a Multiple Listing Organization, the product description is automatically inserted into the data license agreement generated by Trestle. A deficient description could cause a multiple listing organization to decline your connection if it believes the product use and audience are inadequately explained.
- **Product Type** indicating if your product is a Web, Desktop or Mobile solution
- **Product Status** indicating whether the product is In Development or In Production
- **NOTE:** Product Active field is automatically updated by Trestle; it appears for informational purposes only.

When the product information has been entered, you may click “**Add RESO Data Feed**” or “**Add RETS Data Feed**” to associate one or more data feeds to the product. Clicking **Add** automatically saves the product information you already entered. However, if you choose to add a data feed later and do not click **Add**, please be sure to click **Save**.

Lastly, Multiple Listing Organizations typically require a separate data license for each product using their listing content. As a result, Trestle does not permit a single Connection to cover multiple products.

**Add/Edit Product**  
Enter the details for your product and then add RESO and/or Multiple Listing RETS Data Feeds.

PRODUCT NAME \*  URL / LOCATION \*

PRODUCT DESCRIPTION \*

PRODUCT TYPE \*  PRODUCT STATUS \*

PRODUCT ACTIVE \*  YES  NO

RESO Compliant Data Feeds **ADD RESO DATA FEED**

TRESTLE DATA FEED	ID	PASSWORD
<input type="text"/>	<input type="text"/>	<input type="text"/>

Multiple Listing Organization RETS Data Feeds **ADD RETS DATA FEED**

MULTIPLE LISTING ORGANIZATION	DATA FEED	ID	PASSWORD
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**CLOSE** **SAVE**

CoreLogic  
© 2018 Corelogic, Inc. All rights reserved.  
Legal | Privacy

## Data Feed Information

Trestle currently supports the following data feeds:

- RESO Compliant Data Feeds
  - IDX via RETS and/or API
  - IDX Plus via RETS and/or API
  - VOW via RETS and/or API
  - Statistics via RETS and/or API
  - **NOTE** - IDX includes solely active listings and the related, relevant fields. IDX Plus is distinguished from IDX simply by the availability of sold listings and the addition of related fields.
- Matrix Native RETS Data Feeds
  - IDX via RETS
  - IDX Plus via RETS
  - **NOTE** – These feeds allow a Technology Provider to request a data feed to the Native RETS

server

In subsequent releases, Trestle will also offer data feeds tailored to support:

- Broker back office
- Syndication
- And many more

While Data Feeds such as IDX and IDX Plus are delivered in a unified and consistent manner across all multiple listing organizations, please recognize that individual multiple listing organizations may further refine their own Data Feeds via Trestle by suppressing access to certain fields.

To view details on how to connect to either of the data feeds see below

### **Add RESO Data Feed**

After clicking “Add RESO Data Feed”, select the feed you would like to connect to. Both the feed ID and feed password will be assigned upon creation.

- Select a Data Feed from the drop-down list
- Click Save button
- You will be prompted confirm and be reminded passwords will not be visible or retrievable after feed creation



### Add Data Feed for : Test Vendor Feed

Please select the data feed that your product supports and enter the required credential information.

DATA FEED \*

CANNOT BE CHANGED AFTER SAVING.

ID ID WILL BE GENERATED UPON SAVING AND WILL BE VIEWABLE ON DEMAND.

PASSWORD PASSWORD WILL BE GENERATED UPON SAVING.

PASSWORD WILL ONLY DISPLAY ONCE.

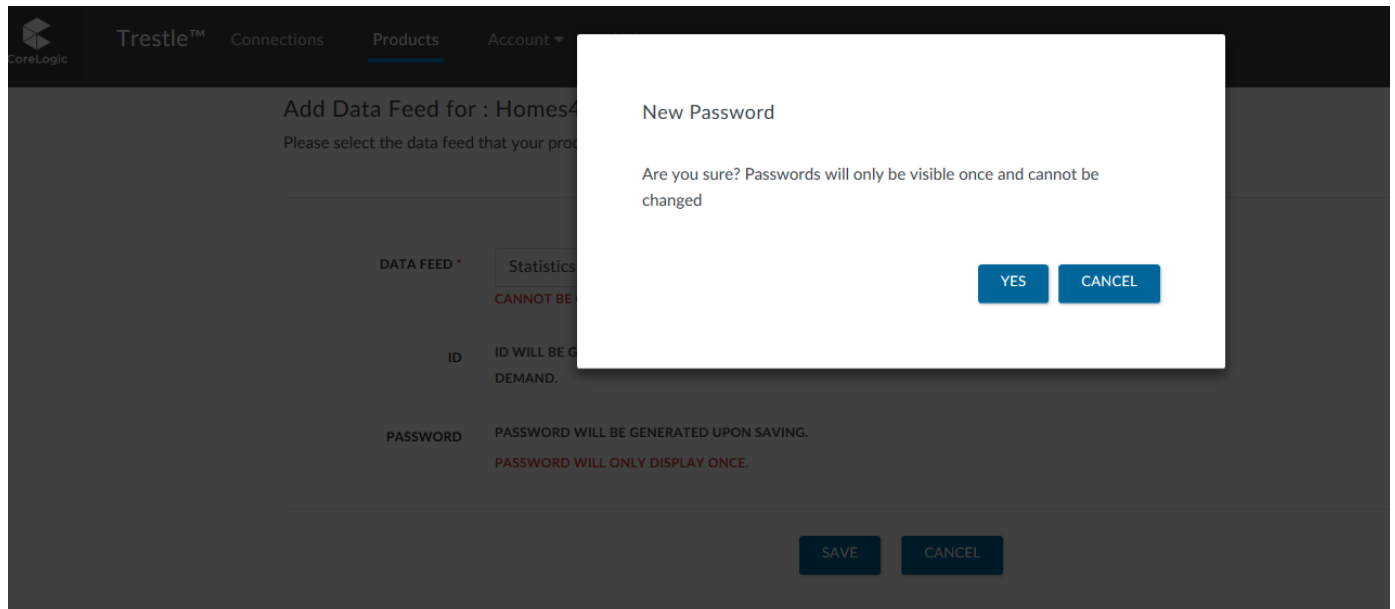


© 2018 Corelogic, Inc. All rights reserved.

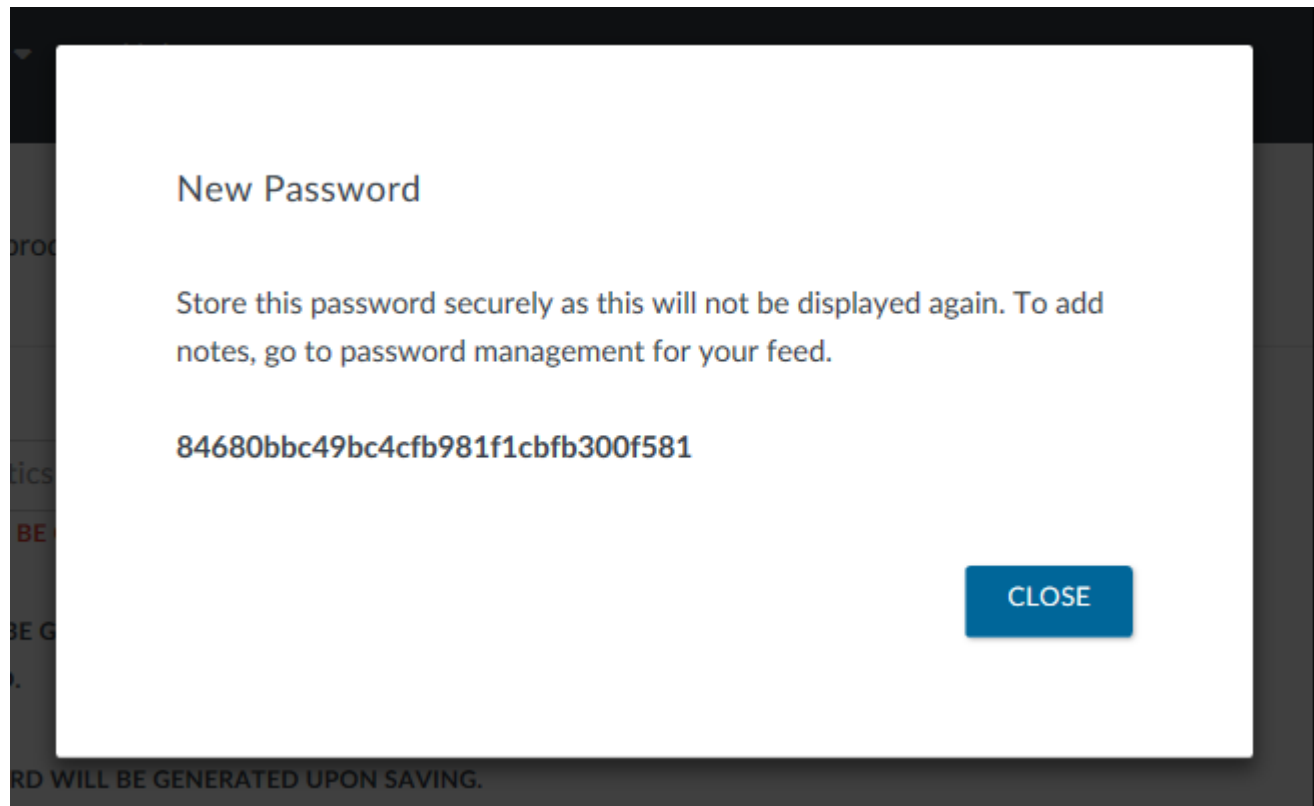
[Legal](#) | [Privacy](#)

When you are done associating a Data Feed to your Product, click **Save**.

After you save you will be prompted to confirm and prepare to save your secure password.



Your password will appear temporarily with enough time to save in a secure place. After that it will no longer be visible or retrievable. Passwords currently default to expire after one year and will need to be reset upon expiration.



Once a feed has been associated, an additional password and other functions can be added from the credential manager, found within the product manager.

## Credential Manager

Navigate to product manager > scroll down to feed you'd like to manage or review > select manage > from there make changes and additions as needed.

Within the Credential Manager a user can:

- Review the credential id associated with a product/feed combination
- Add notes per credential
- View creation and expiration date
- Reset or Delete a password
- Add additional credentials (maximum of two per product/feed combination)



RESO Compliant Data Feeds

ADD RESO DATA FEED

TRESTLE DATA FEED	ID	
IDX Plus - WebAPI	Homes4Sale	Manage
IDX - WebAPI	Faboo Sites	Manage
IDX - RETS	This Rocks	Manage
IDX Plus - WebAPI	trestle_CoreLogicHomes4Sale20180830014646	Manage
IDX Plus - RETS	trestle_CoreLogicHomes4Sale20180913122935	Manage
Statistics - RETS	trestle_CoreLogicHomes4Sale20181015112612	Manage
VOW - RETS	trestle_CoreLogicHomes4Sale20181025065124	Manage
IDX - RETS	trestle_CoreLogicHomes4Sale20181127015707	Manage

### Credential Management Page



#### Data Feed Credential Manager

Manage data feed credentials for Homes4Sale.

ADD

PRODUCT	ID	FEED	NOTES	CREATED	EXPIRES	
Homes4Sale	Homes4Sale	IDX Plus	This is an example.....	07/27/2018	07/27/2019	RESET DELETE
Homes4Sale	trestle_CoreLogicHomes4Sale20180830014646	IDX Plus	when you type	08/30/2018	08/30/2019	CANCEL SAVE

You have 0 credentials remaining

CLOSE

### Add RETS Data Feed

Adding a RETS feed is much like creating a new connection it will be connecting to MLOs offering their Native RETS feeds via Matrix.

- After clicking “Add RETS Data Feed”, **Select** a Multiple Listing Organization whose data feed you want to connect to. Only Multiple Listing Organizations which have Native RETS feeds enabled will



be displayed for Selection

Connect QATPII Product 02 to a Multiple Listing Organization  
Step 2 - Select a Multiple Listing Organization

10 RECORDS PER PAGE State - All SEARCH

MULTIPLE LISTING ORGANIZATION	
Brian MLO, irvine, CA	SELECT
DG MLO Services, Rancho Cordova, CA	SELECT
Native MLO, Native, NC	SELECT
NotSmirl MLS, Knoxville, TN	SELECT
QA MLO IPV4, Knoxville, TN	SELECT
QA MLO IPV6, Knoxville, TN	SELECT
RugerMLS, Whitsett, NC	SELECT
VineetJ_Company, New York, NY	SELECT
Whitsett MLS, Whitsett, NC	SELECT

Showing 1 to 9 of 9 records Previous 1 Next

CANCEL

CoreLogic  
© 2018 Corelogic, Inc. All rights reserved.  
Legal | Privacy

- Clicking **Select**, will display the Native RETS data feeds made available for connection by the Multiple Listing Organization. **Select** the feed you wish to connect to.

Connect QATPII Product 02 to NotSmirl MLS  
Step 3 - Select a Data Feed

10 RECORDS PER PAGE SEARCH

DATA FEED	DELIVERY	SETUP FEE	FEE / PERIOD	
NotSmirl Native IDX	RETS	111111.00	111111111.00 / Yearly	SELECT
NotSmirl Native IDX2	RETS	99999.00	99999.00 / Monthly	SELECT

Showing 1 to 2 of 2 records Previous 1 Next

CANCEL

CoreLogic  
© 2018 Corelogic, Inc. All rights reserved.  
Legal | Privacy

- Click **Preview Contract** for selected Data Feed if you wish to inspect the data license itself.

CoreLogic Trestle™ Connections Products Account Help EstTPII LstNm TP CoreLogic

Connect QATPII Product 02 to NotSmirl MLS  
Step 4 - Review fees

LIQUIDATED DAMAGES: \$111,111.00

CHANGE NOTICE PERIOD: 30 Days

SETUP FEE: \$111,111.00

Pricing Plan  
The plan and fee associated with this data feed are outlined below.

PLAN NAME	PLAN DESCRIPTION / TERMS	PRICE	FREQUENCY
Not the Default Plan	Regular Fee	\$111,111,111.00	Yearly

CANCEL PREVIEW CONTRACT

CoreLogic  
© 2018 Corelogic, Inc. All rights reserved.

- Click **Connect** if the data license agreement is satisfactory and you wish to proceed.

The screenshot shows the Trestle™ web application interface. At the top, there is a navigation bar with the CoreLogic logo, 'Trestle™', and menu items for 'Connections', 'Products', 'Account', and 'Help'. The user's name 'Prachi Jain' is visible in the top right corner. The main content area displays the title 'Connect HomeSold to \*\*\*\*\*Austin MLS (SAMPLE DATA)\*\*\*\*\*' and the step 'Step 6 - Review and Connect.'. Below this, there are two buttons: 'CANCEL' and 'CONNECT'. The 'CONNECT' button is highlighted with a red rectangular box. Below the buttons is a preview of a document titled 'DATA ACCESS AGREEMENT (TRESTLE)'. The document text includes the following sections:

**DATA ACCESS AGREEMENT (TRESTLE)**

This Data Access Agreement ("Agreement") is entered into between \*\*\*\*\*Austin MLS (SAMPLE DATA)\*\*\*\*\* ("Multiple Listing Organization"), a(n) North Carolina corporation or company, and XYZ ("Technology Provider"), a(n) California corporation or company, and is effective as of the date of the last signature below ("Effective Date").

The parties agree as follows:

**1. DEFINITIONS**

1.1 "Authorized Broker" means a Participant identified in any Broker Authorization Form between said Participant and Multiple Listing Organization.

1.2 "Broker Authorization Form" means the separate form by which Multiple Listing Organization authorizes Technology Provider to provide the Product to a specified Authorized Broker. For the avoidance of doubt, (i) a Broker Authorization Form may be entered into on and/or after the Effective Date of this Agreement, and (ii) there may be multiple Broker Authorization Forms throughout the course of this Agreement.

1.3 "Listing Data" means the multiple listing data specified in Exhibit A.

1.4 "Participant" means a participant of Multiple Listing Organization, as defined in the Policies.

1.5 "Policies" means the Rules and Regulations and any operating policies of Multiple Listing Organization, as may be amended from time to time.

1.6 "Product" means Technology Provider's product or service identified at Exhibit A.

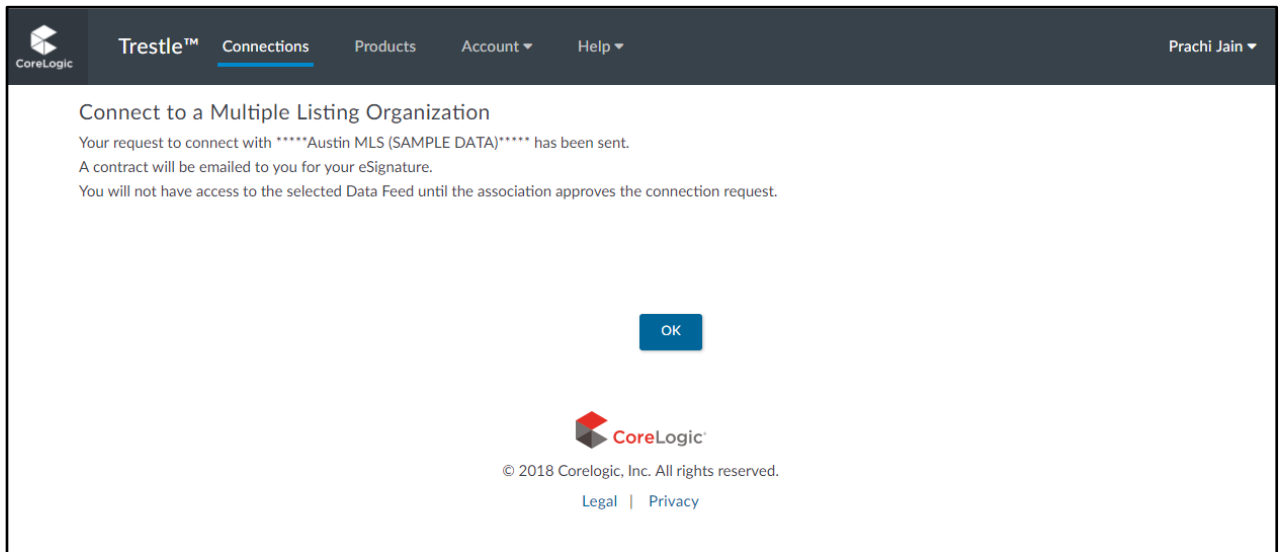
1.7 "Trestle" means CoreLogic's platform that aggregates multiple listing data and facilitates access and distribution of the Listing Data.

**2. OWNERSHIP**

Technology Provider acknowledges that ownership and use rights relating to copyrights in the Listing Data are defined in the Policies. Technology Provider shall not challenge or take any action inconsistent with Multiple Listing

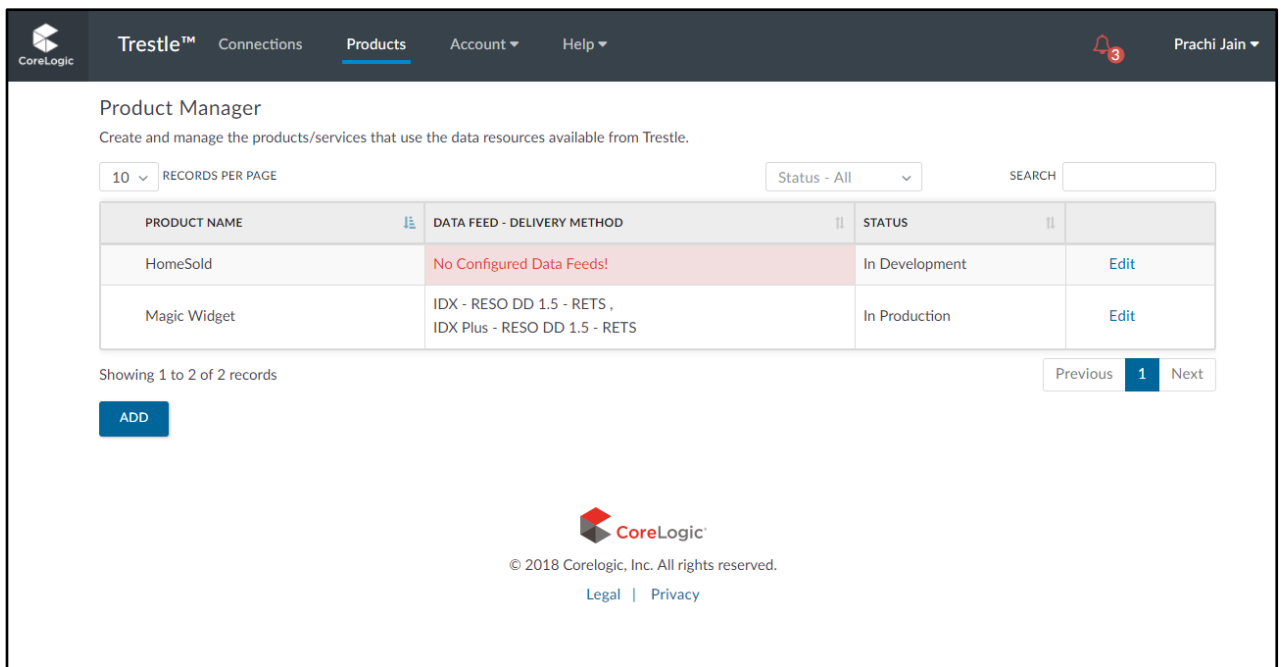
At the bottom of the document preview, the CoreLogic logo is displayed, along with the copyright notice '© 2018 Corelogic, Inc. All rights reserved.' and links for 'Legal | Privacy'.

- Once you click Connect, your request will be sent to the MLO and a contract will be emailed to you for eSignature.



- These simple steps enable to you initiate a RETS data feed Connection with a Multiple Listing Organization with speed and assurance.

As pictured here, the Product Manager displays the Data Feed you newly associated with the product, along with any other Data Feeds you previously associated.



Notice the highlighting on the first configured product as pictured here. Trestle warns you when no Data Feed has been associated with that product, which precludes any possibility of using that product to

Connect with a multiple listing organization. Click **Edit** to modify the product and **Add** an associated Data Feed.

Please also note that a Multiple Listing Organization may not choose to support a Data Feed for which your product is configured. You are welcome to add as many Data Feeds as you wish to your product, but please recognize that is your responsibility to manage use of multiple Data Feeds through your implementation.

Trestle enables you to **Delete** a Product that is no longer relevant, provided it has no associated Data Feed or active Connection.

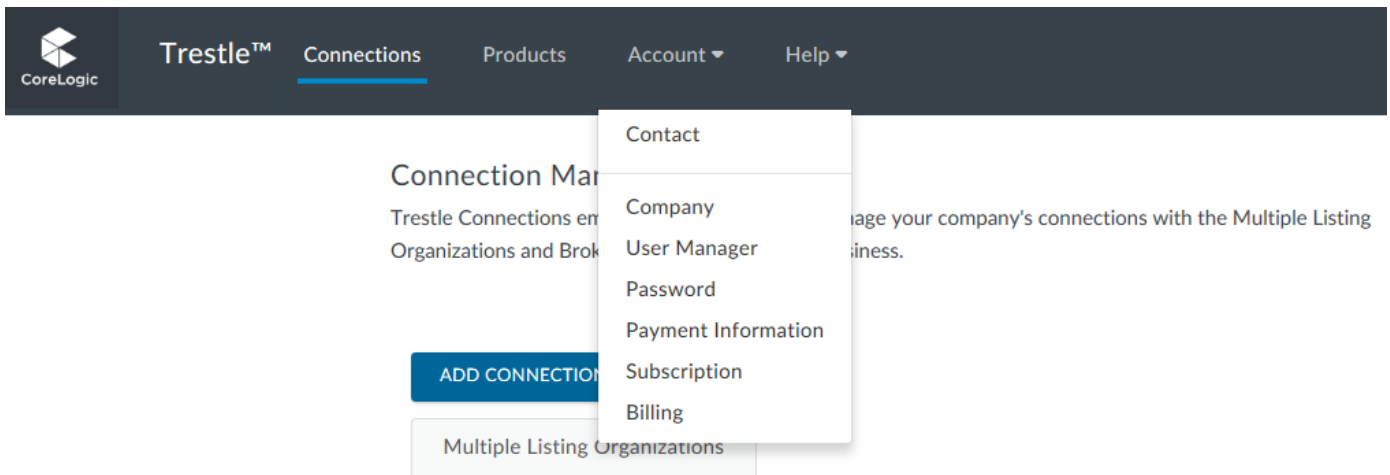
[<Top>](#)

## Account Manager

Some account information is furnished during the subscription process. The Account Manager enables you to control that and other information about your organization that is vital for the operation of Trestle.

Specifically, you can manage:

- **Contact** for the individual managing Trestle on behalf of your organization.
- **Company** conveys information about your company to Multiple Listing Organizations and Brokers who may wish to connect via Trestle.
- **User Manager** allows the individual managing Trestle to create additional users for their Trestle account. Hence, allowing multiple members to have access to the TP's Trestle account.
- **Password** to change or update your Trestle credentials.
- **Payment Information** manages credit card data for fees that are payable to CoreLogic for use of Trestle or to Multiple Listing Organizations for data access.
- **Subscription** to review the Trestle subscription agreement.
- **Billing** to view charges via receipt or statements processed by CoreLogic and your connected MLOs



Again, we encourage all subscribers to provide a thoughtful description of their company and to incorporate a logo. The dimensions of a logo for use on Trestle should not exceed 128 x 128.

## User Manager

MLOs and Technology Providers can now create additional users for their Trestle account. This will allow multiple staff members to have access to the MLO/TP's Trestle account.

To create an additional user for your account, complete the following steps:

- Select "User Manager" from the "Account" Menu.

The screenshot shows the Trestle™ Account menu. The 'Account' dropdown is open, and 'User Manager' is highlighted. Below the menu, the 'User Manager' section is visible, including an 'ADD USER' button, a 'RECORDS PER PAGE' dropdown set to 10, a search bar, and a table with one record for 'TP Demo Account'.

USER'S NAME	EMAIL	ROLE	STATUS	
TP Demo Account	trestle.demotp@gmail.com	Owner	Pending	Edit

- Once in the User Manager, click on "Add User".

The screenshot shows the Trestle™ User Manager page. The 'ADD USER' button is highlighted with a red box. Below the button, there is a 'RECORDS PER PAGE' dropdown set to 10, a search bar, and a table with one record for 'Prachi Jain'.

USER'S NAME	EMAIL	ROLE	STATUS	
Prachi Jain	prachi_jain_@hotmail.com	Owner	Active	Edit

Showing 1 to 1 of 1 records

CoreLogic  
© 2018 Corelogic, Inc. All rights reserved.  
Legal | Privacy

- Complete the required User Information for the new user and click “Save”.

**Add/Edit User Information**  
Enter the new user's information. A Trestle invitation will be sent to this email address giving the user permission to access this Multiple Listing Account.

FIRST NAME \*

LAST NAME \*

EMAIL \*

ROLE Admin

CoreLogic  
© 2018 Corelogic, Inc. All rights reserved.  
[Legal](#) | [Privacy](#)

Your newly added user will now appear in the User Manager. Trestle will also send an email invitation with a secure link, to invite the new user to join Trestle. New Users will have a “Pending” status until they have clicked on the secure link and accepted the Trestle Subscription Agreement. The original creator of the account will have the role of “Owner”. All other additional users will have the role of “Admin”.

**User Manager**  
Add and manage users within your Multiple Listing Organization. User will be invited to Trestle by email and they can begin performing tasks within your account.

✔ You have successfully added an Admin to your Trestle account. An email invitation has been sent to psasale@gmail.com

10 RECORDS PER PAGE SEARCH

USER'S NAME	EMAIL	ROLE	STATUS	
Prachi Jain	prachi_jain_@hotmail.com	Owner	Active	<a href="#">Edit</a>
Jen Jackson	psasale@gmail.com	Admin	Pending	<a href="#">Edit</a>

Showing 1 to 2 of 2 records Previous **1** Next

CoreLogic  
© 2018 Corelogic, Inc. All rights reserved.  
[Legal](#) | [Privacy](#)



- You can edit the status and role of a user by selecting “Edit” for the user.

CoreLogic Trestle™ Connections Products Account Help Prachi Jain

### Add/Edit User Information

Enter the new user's information. A Trestle invitation will be sent to this email address giving the user permission to access this Multiple Listing Account.

FIRST NAME \* Jen

LAST NAME \* Jackson

EMAIL \* psasale@gmail.com

ROLE Admin

STATUS Active

CANCEL SAVE

CoreLogic  
© 2018 Corelogic, Inc. All rights reserved.  
Legal | Privacy

- There are 2 roles a user can have: Admin and Owner. Admins and Owners can access all the function of Trestle, except only Owners can create and manage other users. To change the role of a user, select either Admin or Owner from the Role dropdown. NOTE: There can only be one account owner. Changing a user’s role to Owner will remove the owner role from the current owner and replace it with an admin role.

CoreLogic Trestle™ Connections Products Account Help Prachi Jain

### Add/Edit User Information

Enter the new user's information. A Trestle invitation will be sent to this email address giving the user permission to access this Multiple Listing Account.

FIRST NAME \* Jen

LAST NAME \* Jackson

EMAIL \* psasale@gmail.com

ROLE Admin

STATUS Admin

OWNER

CANCEL SAVE

CoreLogic  
© 2018 Corelogic, Inc. All rights reserved.  
Legal | Privacy

- To suspend a user's account, change the user's status from Active to Suspended. NOTE: Only the Owner has access to this function.

The screenshot shows the Trestle user management interface. The top navigation bar includes the CoreLogic logo, the Trestle™ brand name, and menu items for Connections, Products, Account (highlighted), and Help. A notification bell icon with a '3' and the user name 'Prachi Jain' are on the right. The main content area is titled 'Add/Edit User Information' and contains a form with the following fields:

- FIRST NAME \*: Jen
- LAST NAME \*: Jackson
- EMAIL \*: psasale@gmail.com
- ROLE: Admin
- STATUS: Active (dropdown menu is open, showing 'Active' and 'Suspended' options)

A red arrow points to the 'Suspended' option in the STATUS dropdown menu. At the bottom of the page, there is a CoreLogic logo, the copyright notice '© 2018 Corelogic, Inc. All rights reserved.', and links for 'Legal' and 'Privacy'.

## Payment Information


Please note that Payment Information is processed through and stored by a 3rd party company specializing in secure e-commerce services. Trestle does not store such confidential data in any manner.

The data required to support e-commerce is solely determined by our e-commerce provider, Stripe. If you wish to review Stripe's terms of service, please click [here](#).

CoreLogic Trestle™ Connections Products Account ▾ Help ▾ Prachi Jain ▾

### Payment Information

Trestle needs the following information to automatically charge your company for provided services.

CREDIT CARD TYPE \*  

CREDIT CARD NUMBER \*

EXPIRATION DATE \*  /  CSC  [What's this?](#)

NAME ON CARD \*

BILLING ADDRESS (LINE 1) \*


BILLING ADDRESS (LINE 2)

CITY \*

COUNTRY \*

STATE / PROVINCE \*

ZIP / POSTAL CODE \*

  
© 2018 Corelogic, Inc. All rights reserved.  
[Legal](#) | [Privacy](#)

Please enter this Payment information when you initially configure Trestle to ensure there is no unnecessary interruption of payments or suspension of services for non-payment.

Also, be advised that the credit card you select for this service should have a sufficient credit limit to support the total fees you anticipate accumulating via Trestle.

[<Top>](#)

# Connections

In short “Making Connections” is how Trestle transports your business forward.

In all cases, new Connections are initiated by you, the Technology Provider, when you wish to license listing data from a specific Multiple Listing Organization. The Connection process is designed to facilitate speed, accountability, transparency, and efficiency. Trestle supports the full life cycle pertaining to the Connection relationship, including contract generation, execution, and storage; ongoing access to listing content; as well as ongoing e-commerce processing for service fees.

## Connection Manager

The main page of the Connection Manager displays all Connections and their status whether approved, pending, or declined. Connections are dictated by Product, feed type/delivery, and MLO combination.

MULTIPLE LISTING ORGANIZATION / LOCATION	PRODUCT	DATA FEED - DELIVERY	CONTRACT TYPE	CONTRACT STATUS	ORIGINATING ID
Northwest Louisiana Assn of REALTORS, Shreveport, LA	Homes4Sale	IDX - RETS	4 Party	⚠️ 2	NWLA
Central Virginia Regional MLS,	FAR IDX	IDX Plus - RETS	4 Party	⚠️ 1	CVR

Within each connection, there will also appear contract statuses. A connection may be approved, but contracts will continue to be requested within that connection. The status of these corresponding contracts can be seen at a glance in the Connection Manager, and in more detail within Connection Details.

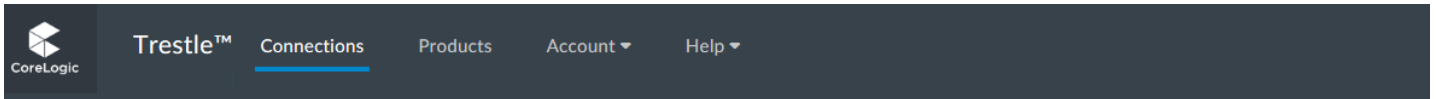
## Connection Details

Click on the name of any MLO to navigate to the Connection Details. From Connection Details you can:

- View details such as product name, connection status, and more.
- Review fee breakdown of connection

- Review contracts. For multi-party contracts this is where additional contracts can be requested for an existing connection.
- Message MLOs for any communications regarding your connection or contracts.

## Connection Details



### Connection Details for: Bagnell Dam Association of REALTORS MLS

Connection Details	Fees	Contracts	Messages
<b>Multiple Listing Organization:</b>		<b>Bagnell Dam Association of REALTORS MLS</b>	
		P.O. Box 318	
		Lake Ozark, MO 65049	
		(573) 348-4288	
		cindy@bdar.net	

**PRODUCT NAME:** Homes4Sale

**DATA FEED:** IDX

**DELIVERY METHOD:** RETS

**CONNECTION STATUS / DATE :** Approved as of 12/3/2018

**FEE COMMENCEMENT DATE :** Effective Date

CLOSE

## Fees

Connection Details for: Bagnell Dam Association of REALTORS MLS

Connection Details **Fees** Contracts Messages

LIQUIDATED DAMAGES: \$1,000,000.00  
 CHANGE NOTICE PERIOD: 90 Days  
 SETUP FEE: \$0.00  
 FEE COMMENCEMENT: Effective Date  
 BILLING METHOD: Credit Card via Trestle

Pricing Plan

The plan and fee associated with this data feed are outlined below.

PLAN NAME	PLAN DESCRIPTION / TERMS	PRICE	FREQUENCY
Default Plan	Standard Periodic Fee	\$0.00	Monthly

CLOSE

## Contracts

From this section, all associated contracts will have information at a glance and actual contract can be viewed as well. In the case of multi-party contracts, additional contracts/signers can be requested from this screen as well.

Connection Details for: Bagnell Dam Association of REALTORS MLS

Connection Details Fees **Contracts** Messages

Multi-Party Contracts

Add Contract 

10 RECORDS PER PAGE All SEARCH

BROKER NAME	BROKER EMAIL	AGENT NAME	AGENT EMAIL	CONTRACT STATUS	EXECUTION DATE	
Ashley Paschal	ashleypaschal83@gmail.com	jennifer campos	jcamosmarquez@corelogic.com	Approved	12/3/2018 8:21:15 PM	VIEW CONTRACT

Showing 1 to 1 of 1 records

Previous 1 Next

CLOSE

## Adding contracts

When adding another contract to an existing connection, it is interchangeably referred to as “adding signers” in Trestle. Once the “Add Contract” link has been selected, you’ll have the option to manually enter signer information if known. Otherwise you can utilize our search function to give recommendations for signer information:

Step 5 - Additional Contract Signers

Signers

Search for additional signers to be added to this contract or add signers manually.

\*john\*

**Tips:**  
 Search for multiple keywords separated by commas.  
 "John, Doe, Realtor"  
 Search with wildcards - Asterisk "\*" or Question Mark "?"  
 "real\*" or "joh?"

10 RECORDS PER PAGE SEARCH

NAME(MEMBER ID)	EMAIL	PRIMARY PHONE	OFFICE	OSN	
ADMIN USER (jfre)	info@johnfarrell.com	(573) 348-2181	John Farrell Real Estate	LOO	Select
BRUCE KARPEN (karpnb)	bruce@johnfarrell.com	(641) 745-7885	John Farrell Real Estate	LOO	Select
CHERYL JOHNSON (cjohnson)	cheryl@johnsonrealty.com	(314) 726-3174	Johnson Realty Commercial Division	LOO	Select
DEBORA JOHNSON (johnsond)	johnsondl_2000@yahoo.com	(417) 588-5897	Parkview Real Estate Co. LLC	LOO	Select
JACOB SKILES (jkskiles)	jacob@johnfarrell.com	(573) 348-2181	John Farrell Real Estate	LOO	Select
JOHN CARTER (cajoh)	johncarter@remax.net	(641) 676-3456	RE/MAX Pride, Inc.	LOO	Select
JOHN FARRELL (john)	john@johnfarrell.com	(573) 348-2181	John Farrell Real Estate	LOO	Select

If you see the name of your signer, press select, and we’ll input it into the signing page. This process can be skipped at any time and the information can be entered manually.



## Connect Homes4Sale to Bagnell Dam Association of REALTORS MLS

### Step 5 - Additional Contract Signers

#### SIGNERS

BROKER FIRST NAME *	<input type="text" value="ADMIN"/>
BROKER LAST NAME *	<input type="text" value="USER"/>
BROKER OFFICE *	<input type="text" value="John Farrell Real Estate"/>
BROKER OFFICE ID	<input type="text" value="5075830"/>
BROKER EMAIL *	<input type="text" value="info@johnfarrell.com"/>
LISTING DATA DISPLAY URL *	<input type="text"/>
AGENT FIRST NAME	<input type="text"/>
AGENT LAST NAME	<input type="text"/>
AGENT EMAIL	<input type="text"/>
AGENT ID	<input type="text"/>

CANCEL

PREVIEW CONTRACT

Once you've added all necessary information and signers, you can preview the contract and move forward as with any connection.

### Adding a New Connection

To establish a new Connection entails a few simple steps. Sequentially, the steps are:



- Click the **Add Connection** button to initiate a new Connection.

CoreLogic Trestle™ Connections Products Account ▾ Help ▾ Prachi Jain ▾

### Connection Manager

Trestle Connections empower you to view and manage your company's connections with the Multiple Listing Organizations and Brokers helping you conduct business.

**ADD CONNECTION**

Multiple Listing Organizations Participating Brokers - Coming Soon

10 ▾ RECORDS PER PAGE All ▾ SEARCH

MULTIPLE LISTING ORGANIZATION / LOCATION	PRODUCT	DATA FEED - DELIVERY	CONTRACT TYPE	CONTRACT STATUS
Click Add to connect your product to a Multiple Listing Organization				

No records to show Previous Next

CoreLogic  
© 2018 Corelogic, Inc. All rights reserved.  
[Legal](#) | [Privacy](#)

- Select the Product you previously configured for which you wish to establish a Connection.

The screenshot shows the Trestle™ Connections interface. At the top, there is a navigation bar with the CoreLogic logo, 'Trestle™', and menu items for 'Connections', 'Products', 'Account', and 'Help'. The user's name 'Prachi Jain' is visible in the top right corner. The main heading is 'Connect to a Multiple Listing Organization' with the sub-heading 'Step 1 - Select a product'. Below this, there are controls for 'RECORDS PER PAGE' (set to 10), 'Status - All', and a 'SEARCH' field. A table lists two products: 'HomeSold' and 'Magic Widget'. Each product row has a blue 'SELECT' button to its right, which is highlighted with a red rectangular box. Below the table, it says 'Showing 1 to 2 of 2 records' and includes 'Previous', '1', and 'Next' navigation links. A 'CANCEL' button is located at the bottom left. The footer contains the CoreLogic logo, copyright information '© 2018 Corelogic, Inc. All rights reserved.', and links for 'Legal' and 'Privacy'.

- Click **Select** adjoining the Multiple Listing Organization from whom you wish to license listing data. Note that you can expand the number of Multiple Listing Organizations displayed on the page, filter the list by state, or search for a specific Multiple Listing Organization by name.

Connect HomeSold to a Multiple Listing Organization  
Step 2 - Select a Multiple Listing Organization

10 RECORDS PER PAGE State: All SEARCH

MULTIPLE LISTING ORGANIZATION	
****Austin MLS (SAMPLE DATA)****, Irvine, CA	<a href="#">SELECT</a>
****SmartMLS (SAMPLE DATA)****, Wallingford, CT	<a href="#">SELECT</a>
***DO NOT USE*** CoreLogic SMK Test, Knoxville, TN	<a href="#">SELECT</a>
Alamance Multiple Listing Service, Burlington, NC	<a href="#">SELECT</a>
Austin Board of REALTORS, Austin, TX	<a href="#">SELECT</a>
Bagnell Dam Association of REALTORS MLS, Lake Ozark, MO	<a href="#">SELECT</a>
BAREIS MLS, Santa Rosa, CA	<a href="#">SELECT</a>
BIG BEAR ASSOCIATION OF REALTORS®, Big Bear Lake, CA	<a href="#">SELECT</a>
Big Sky Country MLS, Bozeman, MT	<a href="#">SELECT</a>
Billings Association of REALTORS , Billings , MT	<a href="#">SELECT</a>

Showing 1 to 10 of 128 records

[Previous](#) [1](#) [2](#) [3](#) [4](#) [5](#) ... [13](#) [Next](#)

[CANCEL](#)

- Review which Data Feeds are enabled by the Multiple Listing Organization, along with their corresponding fees and terms. Only enabled Data Feeds are available for you to Select.

CoreLogic
Trestle™ [Connections](#) [Products](#) [Account](#) [Help](#)
Prachi Jain

Connect HomeSold to \*\*\*\*\*Austin MLS (SAMPLE DATA)\*\*\*\*\*


Step 3 - Select a Data Feed

10 RECORDS PER PAGE
SEARCH

DATA FEED	DELIVERY	SETUP FEE	FEE / PERIOD	ENABLED	
IDX - RESO DD 1.5	RETS	0.00	0.00 / Monthly	No	
IDX - RESO DD 1.5	API	0.00	0.00 / Monthly	No	
IDX Plus - RESO DD 1.5	API	0.00	0.00 / Yearly	Yes	<a href="#">SELECT</a>
IDX Plus - RESO DD 1.5	RETS	0.00	0.00 / Monthly	Yes	<a href="#">SELECT</a>
RESO DD 1.4 Certification	RETS	0.00	0.00 / Monthly	Yes	
RESO DD 1.5 Certification	RETS	0.00	0.00 / Monthly	Yes	
RESO Web API Certification	API	0.00	0.00 / Monthly	Yes	
Site License - RESO DD 1.5	API	0.00	0.00 / Monthly	No	
Statistics - RESO DD 1.5	RETS	0.00	0.00 / Monthly	No	
Statistics - RESO DD 1.5	API	0.00	0.00 / Monthly	No	

Showing 1 to 10 of 12 records
Previous [1](#) [2](#) Next

[CANCEL](#)



© 2018 Corelogic, Inc. All rights reserved.  
[Legal](#) | [Privacy](#)

- Click the **Select** button adjoining the specific Data Feed for which you wish to make a Connection.
- **NOTE:** In the event your Product is not already associated with that Data Feed, Trestle provides a warning, advising you to add the Data Feed to your Product via the Product Manager. Please ensure that your product is associated with that data feed. You won't be able to successfully set up a connection without it.

The screenshot shows the Trestle™ Connections page. The user is logged in as Prachi Jain. The page title is "Connect HomeSold to \*\*\*\*\*Austin MLS (SAMPLE DATA)\*\*\*\*\*". The current step is "Step 4 - Review fees". A prominent red warning banner states: "WARNING: Your product HomeSold is not currently configured to support the IDX Plus - RESO DD 1.5 (RETS) data feed. Remember to add this data feed to your product in the Product Manager." Below the warning, the following fees are listed: LIQUIDATED DAMAGES: \$0.00, CHANGE NOTICE PERIOD: 90 Days, and SETUP FEE: \$0.00. A "Pricing Plan" section explains that the plan and fee associated with this data feed are outlined below. A table shows a "Standard" plan with a price of \$0.00 and a frequency of "Monthly". At the bottom, there are "CANCEL" and "PREVIEW CONTRACT" buttons, the CoreLogic logo, and copyright information for 2018 Corelogic, Inc.

CoreLogic™ Trestle™ Connections Products Account ▾ Help ▾ Prachi Jain ▾

Connect HomeSold to \*\*\*\*\*Austin MLS (SAMPLE DATA)\*\*\*\*\*

Step 4 - Review fees

**WARNING:** Your product HomeSold is not currently configured to support the IDX Plus - RESO DD 1.5 (RETS) data feed. Remember to add this data feed to your product in the Product Manager.

LIQUIDATED DAMAGES: \$0.00

CHANGE NOTICE PERIOD: 90 Days

SETUP FEE: \$0.00

**Pricing Plan**  
The plan and fee associated with this data feed are outlined below.

PLAN NAME	PLAN DESCRIPTION / TERMS	PRICE	FREQUENCY
Standard	Pricing for Data Feed	\$0.00	Monthly

CANCEL PREVIEW CONTRACT

CoreLogic™  
© 2018 Corelogic, Inc. All rights reserved.  
[Legal](#) | [Privacy](#)

- Click **Preview Contract** for selected Data Feed if you wish to inspect the data license itself.

CoreLogic Trestle™ Connections Products Account ▾ Help ▾ Prachi Jain ▾

Connect HomeSold to \*\*\*\*\*Austin MLS (SAMPLE DATA)\*\*\*\*\*

Step 4 - Review fees

LIQUIDATED DAMAGES: \$0.00

CHANGE NOTICE PERIOD: 90 Days

SETUP FEE: \$0.00

Pricing Plan

The plan and fee associated with this data feed are outlined below.

PLAN NAME	PLAN DESCRIPTION / TERMS	PRICE	FREQUENCY
Standard	Pricing for Data Feed	\$0.00	Monthly

CoreLogic™

© 2018 Corelogic, Inc. All rights reserved.

[Legal](#) | [Privacy](#)

- Click **Connect** if the data license agreement is satisfactory and you wish to proceed.

The screenshot shows the Trestle™ Connections interface. At the top, there is a navigation bar with the CoreLogic logo, the Trestle™ logo, and menu items for Connections, Products, Account, and Help. The user's name, Prachi Jain, is displayed in the top right corner. The main content area is titled "Connect HomeSold to \*\*\*\*\*Austin MLS (SAMPLE DATA)\*\*\*\*\*" and indicates "Step 6 - Review and Connect." Below this title, there are two buttons: "CANCEL" and "CONNECT". The "CONNECT" button is highlighted with a red rectangular box. Below the buttons is a preview of a document titled "DATA ACCESS AGREEMENT (TRESTLE)". The document text includes the following sections:

**DATA ACCESS AGREEMENT (TRESTLE)**

This Data Access Agreement ("Agreement") is entered into between \*\*\*\*\*Austin MLS (SAMPLE DATA)\*\*\*\*\* ("Multiple Listing Organization"), a(n) North Carolina corporation or company, and XYZ ("Technology Provider"), a(n) California corporation or company, and is effective as of the date of the last signature below ("Effective Date").

The parties agree as follows:

**1. DEFINITIONS**

1.1 "Authorized Broker" means a Participant identified in any Broker Authorization Form between said Participant and Multiple Listing Organization.

1.2 "Broker Authorization Form" means the separate form by which Multiple Listing Organization authorizes Technology Provider to provide the Product to a specified Authorized Broker. For the avoidance of doubt, (i) a Broker Authorization Form may be entered into on and/or after the Effective Date of this Agreement, and (ii) there may be multiple Broker Authorization Forms throughout the course of this Agreement.

1.3 "Listing Data" means the multiple listing data specified in Exhibit A.

1.4 "Participant" means a participant of Multiple Listing Organization, as defined in the Policies.

1.5 "Policies" means the Rules and Regulations and any operating policies of Multiple Listing Organization, as may be amended from time to time.

1.6 "Product" means Technology Provider's product or service identified at Exhibit A.

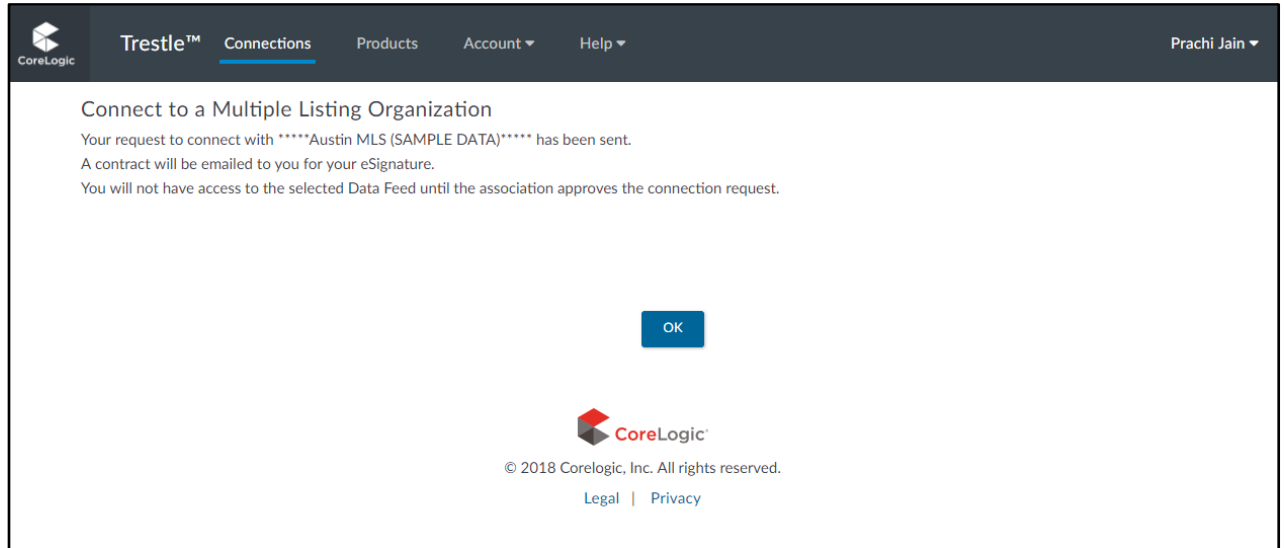
1.7 "Trestle" means CoreLogic's platform that aggregates multiple listing data and facilitates access and distribution of the Listing Data.

**2. OWNERSHIP**

Technology Provider acknowledges that ownership and use rights relating to copyrights in the Listing Data are defined in the Policies. Technology Provider shall not challenge or take any action inconsistent with Multiple Listing

At the bottom of the document preview, the CoreLogic logo is displayed, along with the text "© 2018 Corelogic, Inc. All rights reserved." and links for "Legal" and "Privacy".

- Once you click Connect, your request will be sent to the MLO and a contract will be emailed to you for eSignature.



- These simple steps enable you to initiate a Connection with a Multiple Listing Organization with speed and assurance.



## E-Signature Processing

A moment after you initiate a Connection, Trestle automatically emails an e-signature ready copy of the contract to the Signor identified for your company during the Trestle subscription process.

Then, after the Signor for your company has e-signed the agreement, it is automatically emailed to the designated individual within the corresponding Multiple Listing Organization for his or her counter-signature.

**AuthentiSIGN** Progress: 0% Start Reject Exit

AuthentiSign ID: FE18AFF6-2F56-4DA3-94DF-7189A13216A6

**DATA ACCESS AGREEMENT  
(TRESTLE)**

This Data Access Agreement ("Agreement") is entered into between \*\*\*\*\*Austin MLS (SAMPLE DATA)\*\*\*\*\* ("Multiple Listing Organization"), a(n) North Carolina corporation or company, and XYZ ("Technology Provider"), a(n) California corporation or company, and is effective as of the date of the last signature below ("Effective Date").

The parties agree as follows:

**1. DEFINITIONS**

1.1 "Authorized Broker" means a Participant identified in any Broker Authorization Form between said Participant and Multiple Listing Organization.

1.2 "Broker Authorization Form" means the separate form by which Multiple Listing Organization authorizes Technology Provider to provide the Product to a specified Authorized Broker. For the avoidance of doubt, (i) a Broker Authorization Form may be entered into on and/or after the Effective Date of this Agreement, and (ii) there may be multiple Broker Authorization Forms throughout the course of this Agreement.

1.3 "Listing Data" means the multiple listing data specified in Exhibit A.

1.4 "Participant" means a participant of Multiple Listing Organization, as defined in the Policies.

1.5 "Policies" means the Rules and Regulations and any operating policies of Multiple Listing Organization, as may be amended from time to time.

1.6 "Product" means Technology Provider's product or service identified at Exhibit A.

1.7 "Trestle" means CoreLogic's platform that aggregates multiple listing data and facilitates access and distribution of the Listing Data.

**2. OWNERSHIP**

Technology Provider acknowledges that ownership and use rights relating to copyrights in the Listing Data are defined in the Policies. Technology Provider shall not challenge or take any action inconsistent with Multiple Listing Organization's ownership of or rights in the Listing Data.

**3. LICENSE AND PERMITTED USE**

3.1 License Grant. Subject to the terms and conditions of this Agreement, Multiple Listing Organization grants to Technology Provider a non-exclusive, non-transferable, non-sublicensable, limited license to use the Listing Data in accordance with the terms and conditions of this Agreement. There are no implied licenses under this Agreement. All rights not expressly granted herein are reserved.

3.2 Compliance with Policies. Technology Provider shall comply with the Policies at all times. In the event of any perceived conflict between the Policies and this Agreement, the Policies shall govern.

3.3 Permitted Use. Technology Provider is authorized to use the Listing Data in connection with the Product. Technology Provider may provide the Product to (select one):

ZOOM  
Page (1 of 6)  
Options  
Help

**PLEASE NOTE:** The e-signature process is sequential in that the contract is not emailed to the Multiple Listing Organization until your company has applied its e-signature.

The invitations to e-sign are sent by our e-signature provider, Authentisign. Each email includes a link to a page, as pictured above, through which each recipient completes the signing process.

During the e-signature phase, the status appearing on the Connection Manager clearly describes the

signing status. It reflects **Pending** if the contract is awaiting Technology Provider or Multiple Listing Approval and e-Signature.

Shortly after the contract is executed by the Multiple Listing Organization, the Connection Manager will be updated to display that the Connection is **Approved**

## Data Feed Inception

If the Connection is approved and not subject to a 3-way agreement, the data feed is promptly and automatically enabled.

If the Connection is subject to a 3-way agreement, no data will be accessible until one or more Brokers have provided their authorization via Trestle.

It is important to recognize that the Data Feeds via Trestle are unified across Multiple Listing Organizations. For example, a newly minted Connection for an IDX RETS Data Feed via Trestle will be added into our existing IDX RETS feed, should one have been previously established through earlier Trestle Connections.

## Declined Connections

A signor from your company may reject a data access agreement during the e-signing process. In that case, the Connection status displayed by Trestle will be **Declined – Technology Provider**.

A Multiple Listing Organization may also Reject or Decline a Connection with your company or product via Trestle. In that case, the Connection status displayed by Trestle will be **Declined – Multiple Listing Organization**. In the event they do so, please contact the Multiple Listing Organization directly for further information.

[<Top>](#)

## Transport Mechanisms

Two transport APIs enable solutions to connect, request, and consume data feeds. The mechanisms are:

- The WebAPI, a RESTful API based on the Real Estate Standards Organization's (RESO) WebAPI 1.0.2 specification and OData 4.0
- The RESO Real Estate Transaction Standard (RETS) API, an older API based on the RESO RETS 1.8 specification.

Both transport mechanisms return data based upon RESO Data Dictionary 1.5 schema specification at the time of this publication. Support for 1.6 and future versions will be included as the standards evolve, and

new versions are ratified by RESO.

Rather than provide extensive documentation for these standards directly herein, Technology Providers are encouraged to review the documentation directly on the RESO site; a great deal of time and care has gone into the creation of these standards, and the support information regarding their purpose and use is best viewed at the source.

- WebAPI v. 1.0.2 documentation: <https://www.reso.org/reso-web-api/>
- RETS 1.8 documentation: <https://www.reso.org/specifications/>
- RESO Data Dictionary documentation: <https://www.reso.org/data-dictionary/>

Both transport mechanisms require client software to connect, authenticate, and query the underlying Trestle data sources. There are multiple clients available for download for free or for a license fee; further, reference implementations and documentation can be found on [reso.org](http://reso.org) if you choose to develop your own client. CoreLogic recommends RETS Connector (<http://retsconnector.com>) for use with the RETS API.

## Web API Connection

The WebAPI uses a variation of the OAuth2 specification [[RFC-6749](#)] for generating request authorization. To initiate:

1. Make a POST request to <https://api-prod.corelogic.com/trestle/oidc/connect/token> with the following request body:

```
scope=api&client_secret=[secret]&grant_type=client_credentials&client_id=[client id]
```

Replace the **[secret]** and **[client id]** parameters with the values you entered via the Trestle Product Manager.

2. The response contains an OAuth2 authorization response in the form:

```
{  
  "access_token": "[ACCESS TOKEN]", "expires_in": 3600,  
  "token_type": "Bearer"  
}
```

Note – The WebAPI authorization does not currently support token refresh.

## Service Model

The service model for the WebAPI can be accessed via a GET request to: <https://api->

*prod.corelogic.com/trestle/odata/\$metadata* (authorization is required).

## Search

Search requests are made via the OData **\$filter** parameter. \$filter queries use the syntax described in section **11.2.5.1.1** of the OData specification, along with [examples](#).

To initiate a search request:

1. Make a GET request to

*https://api-prod.corelogic.com/trestle/odata/[model name]?\$filter=[ query]*

The **[model name]** should be replaced with a model exposed in the service model, and **[query]** replaced with a valid \$filter query.

2. The response will be a JSON object Notes:

- No **string functions** are currently implemented.
- The additional system query options currently available are **\$top**, **\$count**, and **\$select**.

## RETS

### RETS Sample Search Query

*https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&QueryType=DMQL2&Limit=20&Format=COMPACT&Query=(ModificationTimestamp=TODAY%2B),(MIsStatus=A,X,W,I)*

### Basic Search Arguments

#### **SearchType=Property**

This designates the Resource to search and for this example the Property resource is desired.

#### **&Class=PROPERTY**

This designates the Class to search and in this example Property is the only Class in the Property Resource

#### **&QueryType=DMQL 2**

This designates the RETS query language as DMQL2 and is the advised query language from the standard

#### **&Limit=20**

This designates the maximum number of records to return to the client for the request

#### **&Format=COMPACT**

This designates that the client wants records returned using the COMPACT data format. This is the advised

format to use.

**&Query=(ModificationTimestamp=2016-01-01%2B),(Mls Status=Expired),(ListPrice=200000-300000)**

The Query argument designates the search criteria to use for the request. The following covers how to use fields of different types and logical operations using the DMQL2 query language.

## Query Fields by Data Type

### Integer

For fields that represent an Integer value such List Price below, the number must be non- negative and have no decimal points.

(ListPrice=200000),

Integers may also be searched using less than, greater than, and range values as follows below.

(ListPrice=300000-), (ListPrice=200000+), (ListPrice=200000-300000),

Please note that the '+' symbol must be URL encoded as '%2b' or it will not be recognized.

Integer Example: [https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&QueryType=DMQL2&Limit=20&Format=COMPACT&Query=\(ListPrice=200000-300000\)](https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&QueryType=DMQL2&Limit=20&Format=COMPACT&Query=(ListPrice=200000-300000))

### Decimal

For fields which represent a Decimal value such as Lot Size Acres below, the number must be non-negative and only have as many decimal points as the field Precision in the metadata. For the following example the Precision is 3.

(LotSizeAcres=0.171),

Decimal value may also be searched using less than, greater than, and range values as follows below.

(LotSizeAcres=0.201-), (LotSizeAcres=0.101+), (LotSizeAcres=0.101-0.201),

Please note that the '+' symbol must be URL encoded as '%2b' or it will not be recognized.

Decimal Example: [https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&QueryType=DMQL2&Limit=20&Format=COMPACT&Query=\(LotSizeAcres=0.101-0.201\)](https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&QueryType=DMQL2&Limit=20&Format=COMPACT&Query=(LotSizeAcres=0.101-0.201))

### Date Time

For fields that represent a Date and Time value the format is represented as YYYY-MM- DDTHH:MM:SS where the 'T' is literal.

(ModificationTimestamp=2016-01-01%2B),

Date Time Example:

[https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&QueryType=DMQL2&Limit=20&Format=COMPACT&Query=\(ModificationTimestamp=2016-01-01%2B\)](https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&QueryType=DMQL2&Limit=20&Format=COMPACT&Query=(ModificationTimestamp=2016-01-01%2B))

## Boolean

For fields that represent a boolean True or False value, the format is represented as Y or N in the criteria.

(GarageYN=Y)

Boolean Example:

[https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&QueryType=DMQL2&Limit=20&Format=COMPACT&Query=\(GarageYN=Y\)](https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&QueryType=DMQL2&Limit=20&Format=COMPACT&Query=(GarageYN=Y))

## String

For fields that represent free form text the value may be searched using a literal string or wildcards.

(ListAgentURL=\*realestate\*)

String Example:

[https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&QueryType=DMQL2&Limit=20&Format=COMPACT&Query=\(ListAgentURL=\\*realestate\\*\)](https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&QueryType=DMQL2&Limit=20&Format=COMPACT&Query=(ListAgentURL=*realestate*))

## Lookup

For fields that represent a single value selected out of a set of possible values, a Lookup, the value used must match one of the possible values from the field metadata.

(MlsStatus=Expired)

Lookup Example:

[https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&QueryType=DMQL2&Limit=20&Format=COMPACT&Query=\(MlsStatus=Expired\)](https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&QueryType=DMQL2&Limit=20&Format=COMPACT&Query=(MlsStatus=Expired))

## Multiple Selection Lookup

For fields that represent one or more values selected from a set of possible values, a Lookup- Multi, the value or values used must match one of the possible values from the field metadata.

(PoolFeatures=|P,Q)

Multiple Selection Example:

[https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&QueryType=DMQL2&Limit=20&Format=COMPACT&Query=\(PoolFeatures=|P,Q\)](https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&QueryType=DMQL2&Limit=20&Format=COMPACT&Query=(PoolFeatures=|P,Q))

## Query Logical Operations

To combine two criteria together into a single query statement, use the AND operator. This may be represented as 'AND' or ',' in the query string as follows.

(ModificationTimestamp=2016-01-01%2B),(MlsStatus=Expired) (ModificationTimestamp=2016-01-01%2B)AND(MlsStatus=Expired)

To separate two criteria into separate statements, use the OR operator. This may be represented as 'OR' or '|' in the query string as follows.

(GarageYN=Y)OR(PoolFeatures=|P,Q) (GarageYN=Y)|(PoolFeatures=|P,Q)

To exclude specific criteria values, use the NOT operator. This may be represented as 'NOT' or '~' in the query string as follows.

NOT(MlsStatus=Expired)

~(MlsStatus=Expired)

Query statements can be grouped as needed using parentheses as follows.

NOT(MlsStatus=Expired) AND ( (ModificationTimestamp=2016-01-01%2B) AND ( (GarageYN=Y)OR(PoolFeatures=|P,Q) ) )

Please Note: The spaces above are for clarity only and should not be used in practice.

## Examples

Additional search examples follow:

[https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&Query=\(ModificationTimestamp=2016-01-01%2B\)&QueryType=DMQL2&Limit=20&StandardNames=1&Format=COMPACT](https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&Query=(ModificationTimestamp=2016-01-01%2B)&QueryType=DMQL2&Limit=20&StandardNames=1&Format=COMPACT)

[https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&Query=\(ModificationTimestamp=2016-01-01%2B\),\(ListingStatus=Expired\)&QueryType=DMQL2&Limit=20&StandardNames=1&Format=COMPACT](https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&Query=(ModificationTimestamp=2016-01-01%2B),(ListingStatus=Expired)&QueryType=DMQL2&Limit=20&StandardNames=1&Format=COMPACT)

[https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&Query=\(ModificationTimestamp=2016-01-01%2B\),\(ListingStatus=Expired\),\(ListPrice=200000-300000\)&QueryType=DMQL2&Limit=20&StandardNames=1&Format=COMPACT](https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&Query=(ModificationTimestamp=2016-01-01%2B),(ListingStatus=Expired),(ListPrice=200000-300000)&QueryType=DMQL2&Limit=20&StandardNames=1&Format=COMPACT)

[https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&Query=\(ModificationTimestamp=2016-01-01%2B\),\(ListingStatus=Expired\),\(ListPrice=200000-300000\),\(GarageYN=Y\)&QueryType=DMQL2&Limit=20&StandardNames=1&Format=COMPACT](https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&Query=(ModificationTimestamp=2016-01-01%2B),(ListingStatus=Expired),(ListPrice=200000-300000),(GarageYN=Y)&QueryType=DMQL2&Limit=20&StandardNames=1&Format=COMPACT)

[https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&Query=\(ModificationTimestamp=2016-01-01%2B\),\(ListingStatus=Expired\),\(ListPrice=200000-300000\),\(GarageYN=Y\),\(FA\\_Pool=|P,Q\)&QueryType=DMQL2&Limit=20&StandardNames=1&Format=COMPACT](https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&Query=(ModificationTimestamp=2016-01-01%2B),(ListingStatus=Expired),(ListPrice=200000-300000),(GarageYN=Y),(FA_Pool=|P,Q)&QueryType=DMQL2&Limit=20&StandardNames=1&Format=COMPACT)

[https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&Query=\(ModificationTimestamp=2016-01-01%2B\),\(ListingStatus=Expired\),\(ListPrice=200000-300000\),\(GarageYN=Y\),\(FA\\_Pool=|P,Q\),\(ListAgentURL=\\*realestate\\*\)&QueryType=DMQL2&Limit=20&StandardNames=1&Format=COMPACT](https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&Query=(ModificationTimestamp=2016-01-01%2B),(ListingStatus=Expired),(ListPrice=200000-300000),(GarageYN=Y),(FA_Pool=|P,Q),(ListAgentURL=*realestate*)&QueryType=DMQL2&Limit=20&StandardNames=1&Format=COMPACT)

[https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&Query=\(ModificationTimestamp=2016-01-01%2B\),\(ListingStatus=Expired\),\(ListPrice=200000-300000\),\(GarageYN=Y\),\(FA\\_Pool=|P,Q\),\(ListAgentURL=www.\\*\)&QueryType=DMQL2&Limit=20&StandardNames=1&Format=COMPACT](https://api-prod.corelogic.com/trestle/RETS/Search?SearchType=Property&Class=PROPERTY&Query=(ModificationTimestamp=2016-01-01%2B),(ListingStatus=Expired),(ListPrice=200000-300000),(GarageYN=Y),(FA_Pool=|P,Q),(ListAgentURL=www.*)&QueryType=DMQL2&Limit=20&StandardNames=1&Format=COMPACT)

## Data Feeds

Trestle has the following data feeds available:

- IDX – active listings only
- IDX Plus – active and sold listings
- VOW – active listings only
- Statistics
- Matrix RETS

Please note that the IDX, IDX Plus and VOW Data Feeds are provided for purposes of RESO certification;



one for the Data Dictionary and one for Web API certification.

---