

LOANNEX ENCOMPASS INTEGRATION

Integration Setup Guide

SmartClient - LO Connect - TPO Connect

JANUARY 22, 2024
LoanNEX
16 North Central Avenue, Saint Louis, MO 63105



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LoanNEX Support Information

Support Case Submission Process

- 1. Select the appropriate email address below:
 - a. Client Support / Configuration Settings: support@loannex.com
 - b. Eligibility & Pricing Inquiries: investorsupport@loannex.com
- 2. Include Contact Information:
 - a. First and Last Name
 - b. Company Name
 - c. Email
 - d. Telephone
- 3. Include a detailed description of your Case
- 4. A Case will be created, and the appropriate LoanNEX Team member notified
- 5. LoanNEX will respond within one business day to address your Case

LoanNEX Mortgage Integrations Technology Setup Support

- Integration Team Email: <u>integrations@loannex.com</u>
 - Integration Support
 - Mortgage Technology Setup Steps during the LoanNEX Mortgage Technology Setup, there are steps outlined which will require information be sent to the Integrations email address, as outlined below:
 - Developer Connect Integration during the Developer Connect Integration, the initial Client details will need to be sent to the Integrations email address
 - API User Details after the LoanNEX API User setup is complete, the User details will need to be sent to the Integrations email address

Sales and General Inquiries Contact Information

Main Phone: (314) 833-6464

Sales Email: sales@loannex.com

Product demonstrations

Additional service requests

General Inquiries Email: info@loannex.com

Billing Inquiries Email: <u>support@loannex.com</u>



Integration Setup

Encompass Developer Connect Integration TPOC

Integration Request / Approval

- 1. Email <u>integrations@loannex.com</u> and provide the following information to initiate the Developer Connect Integration Request:
 - a. Organization Name
 - b. Encompass Client ID
 - c. Encompass Testing (TEBE) Instance ID
 - d. Encompass Production (BE) Instance ID
 - e. Primary Contact First Name
 - f. Primary Contact Last Name
 - g. Primary Contact Title
 - h. Primary Contact Phone
 - i. Primary Contact Work Email
- 2. LoanNEX submits Developer Connect Integration Provision Request to ICE Mortgage Technology
 - LoanNEX will contact Encompass Developer Connect on your behalf and request LoanNEX be provisioned through Developer Connect to your Encompass environment
- 3. ICE approves Integration Provision Request
 - a. Approvals are generally done overnight on Friday evenings

Create LoanNEX API User in Encompass

Important Notes

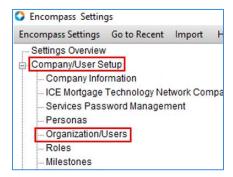
LoanNEX API User must have access to loan folders for TPOC

- LoanNEX API User's Persona must have External Settings for Company Detail enabled
- Before creating the LoanNEX API User, ensure you have created a Persona and Group Membership / User Group that will allow appropriate access to the LoanNEX API User
 - Encompass Recommendation: The best practice is to create a unique Persona and User Group by duplicating the existing Loan Officer Persona and User Group. Go to the Persona, or User Group, section in Encompass Settings under Company/User Setup. Right click on the Persona or User Group and select Duplicate. You can then edit the permissions as needed.
- If your organization restricts IP Addresses, please provide the following LoanNEX IP
 Address for the Encompass User API call to your System Administrator: 52.173.75.106
- Encompass "Add A User" Support Documentation <u>Access Here</u>¹

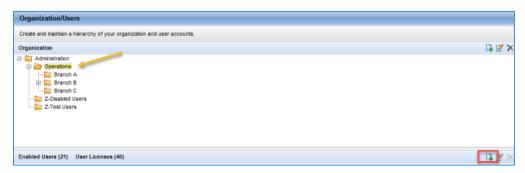
 $^{1}\ https://help.elliemae.com/documentation/encompass/Content/encompass/settings/Add_a_User.htm$



- 1. LoanNEX Provides **OAuth Client ID** needed for Encompass API User
- 2. Login to Encompass SmartClient
- 3. Select **Settings** from the Encompass drop-down on the top menu bar; the Encompass Settings window will open in a new window

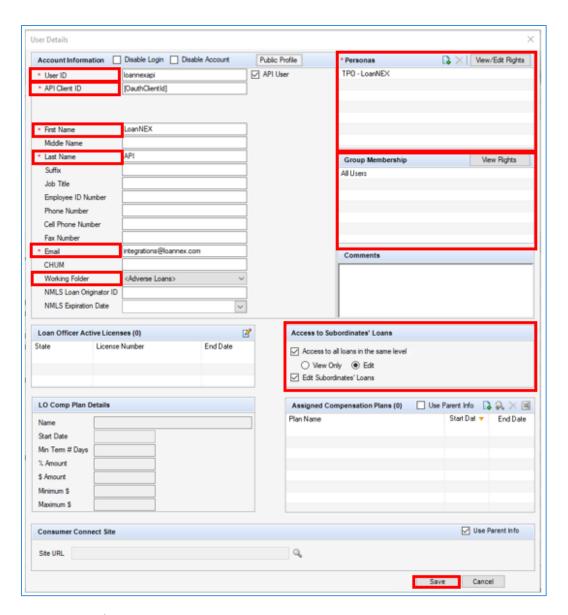


4. Under Company/User Setup, go to Organization/Users



- 5. Select the appropriate Organization hierarchy to add the LoanNEX API User
 - a. Select a hierarchy high enough in the organization that it provides the appropriate access to loans for the integration
 - b. LoanNEX Recommendation: Select a hierarchy just below the Administration hierarchy, or a hierarchy for service accounts
- 6. Click the icon to Create New User under the appropriate Organization hierarchy





7. Enter User Details:

a. User ID: loannexapi

b. API Client ID: Oauth Client ID provided by LoanNEX

c. Select API User checkbox

d. First Name: LoanNEX

e. Last Name: API

f. Email: integrations@loannex.com

g. Working Folder: select appropriate folder that houses TPOC loans

h. Personas:

i. Assign the API User to a Persona

ii. Persona must include:

1. Forms / Tools



- a. TPO Information²
- b. Lock Request Form
- c. LO Comp Tool
- 2. External Settings³
- 3. TPO Connect
- iii. Encompass Recommendation: The best practice is to create a unique Persona by duplicating the existing Loan Officer Persona. Go to the Persona section in Encompass Settings under Company/User Setup. Right click on the Loan Officer Persona and select Duplicate. You can then edit the Persona permissions as needed.
- iv. LoanNEX will authenticate the API User credentials to ensure the Persona has the necessary settings / access for Integration

i. Group Membership:

- i. Assign the API User to a Group Membership
 - 1. You may assign one or more User Groups to the API User account to provide appropriate access to loan folders and other resources
- ii. Encompass Recommendation: The best practice is to create a unique User Group by duplicating the existing Loan Officer User Group. Go to the User Group section in Encompass Settings under Company/User Setup. Right click on the Loan Officer User Group and select Duplicate. You can then edit the User Group permissions as needed.
- iii. LoanNEX will authenticate the API User credentials to ensure the User Group has the necessary settings / access for Integration

j. Access to Subordinates' Loans:

- i. Select Access to all loans in the same level checkbox
- ii. Select **Edit** radio button
- iii. Select Edit Subordinates' Loans
- 8. Click Save button

Enable Integration

- 1. Email integrations@loannex.com and provide the LoanNEX API User details:
 - a. Encompass Instance ID
 - b. TPOC URL
 - c. LoanNEX API User Credentials (Username and Password)
- 2. LoanNEX enables integration and authenticates the LoanNEX API User
- 3. LoanNEX will confirm with the Primary Contact that the API User was setup correctly and the Integration is enabled

² Ensure Custom Fields Tab are selected

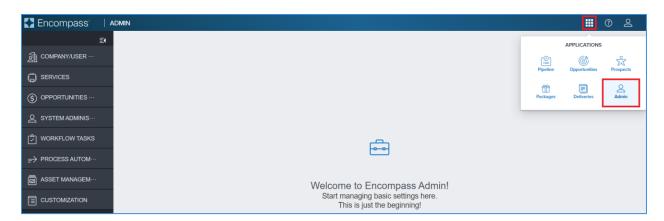
³ Create Organizations, Delete Organizations, Create/Edit Banks, and Delete Banks are not required



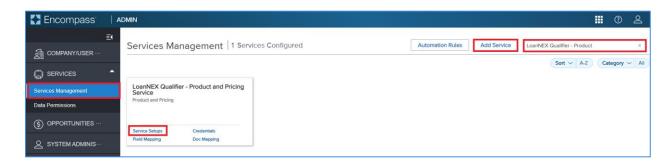
Ellie Mae Partner Connect (EPC) Integration and User Setup

Add LO Connect Provider / Enable Integration

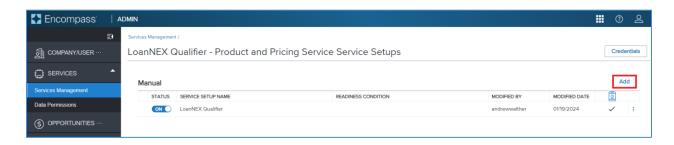
1. Login to Encompass LO Connect (encompassloconnect.com/admin)



2. Navigate to the **Admin** section from the main screen

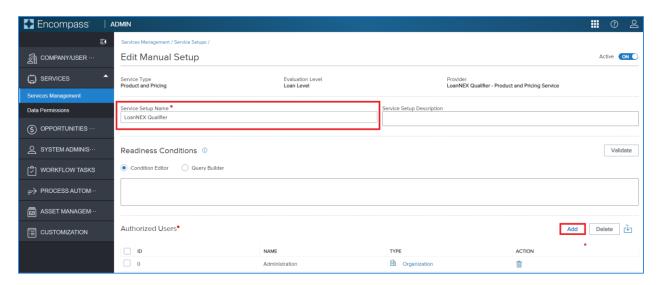


- 3. Select Services Management on the left menu bar
- 4. Select Add Service button
 - a. Search for: LoanNEX Qualifier Product and Pricing Service
- 5. Select Service Setups

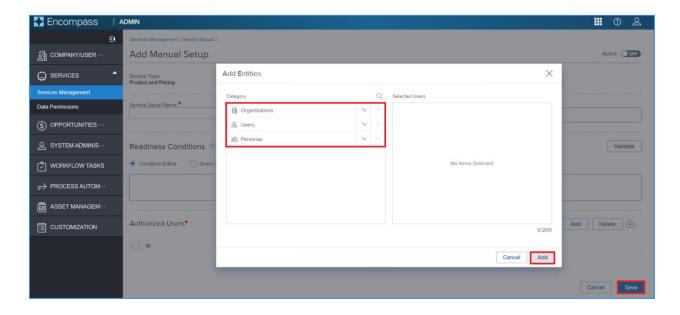


6. Select Add button



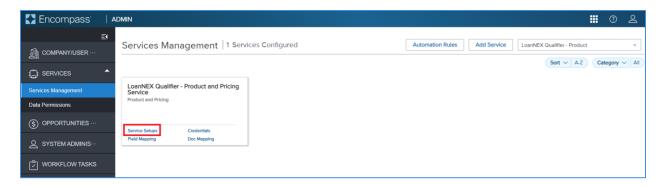


- 7. Edit Service Setup Name for the Product and Pricing Service
- 8. Select the **Add** button to update Authorized Users:

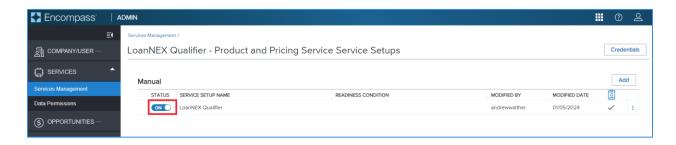


- i. Select Organizations, Users and/or Personas that are allowed to access LoanNEX
- ii. Click the Add button
- iii. Repeat until Authorized Users complete
- b. Select the Save button





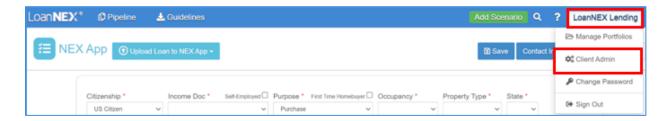
- 9. The new Provider, LoanNEX Qualifier Product and Pricing Service, displays as a card on the Services Management page
 - a. Select Service Setups



b. Select the Status radio button to turn "On" the integration

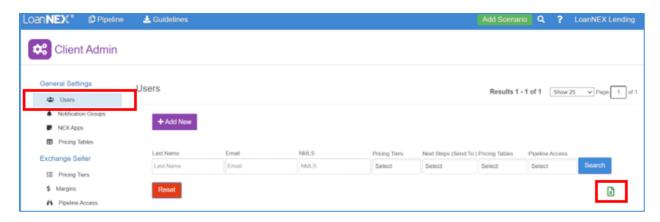
Create Encompass / LoanNEX Users

1. Login to LoanNEX at https://web.loannex.com/

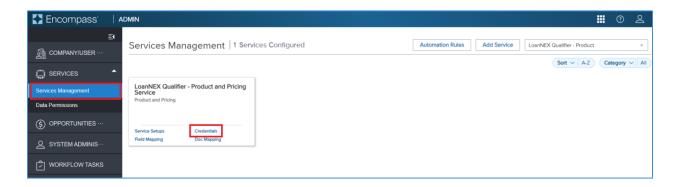


- 2. Click your Company Name in the upper right of the screen
- 3. Select Client Admin





- 4. The Client Admin section of LoanNEX will open to the **Users** page
- 5. Select the excel icon to export your Company's User list
- 6. The User list export will show a UserGUID (Column AL) for each User
 - a. You will need this UserGUID to create the Encompass User in the following steps
- 7. Login to Encompass LO Connect at https://encompassloconnect.com/login and navigate to the Admin section

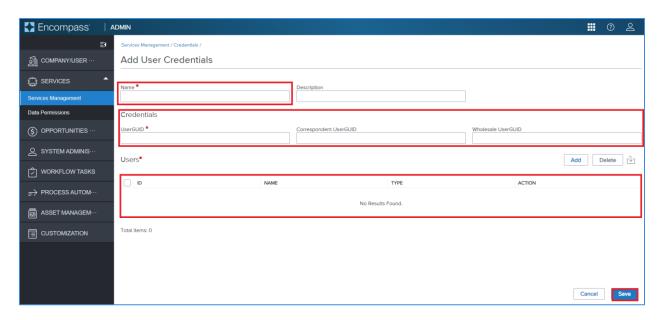


- 8. Select Services Management
- 9. Find LoanNEX Qualifier Product and Pricing Service and select Credentials



10. Select the Add button





11. Enter User Credential information

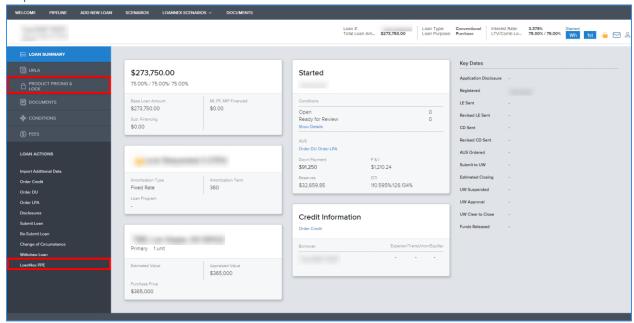
- a. Enter the User's Name
- b. Enter UserGUID
 - If User has access to <u>one</u> LoanNEX Account. enter the LoanNEX UserGUID in the first UserGUID field
 - 1. If the one account the User has access to is either Correspondent or Wholesale, also enter the same UserGUID in the appropriate field (either Correspondent UserGUID or Wholesale UserGUID)
 - ii. If the User has access to **more than one** LoanNEX Account, by channel:
 - Lock Desk with Retail Access enter the Retail UserGUID in the default UserGUID field
 - Correspondent or Wholesale User enter either the Correspondent or Wholesale UserGUID into the default UserGUID field
 - c. Enter Correspondent UserGUID if applicable
 - i. Enter LoanNEX UserGUID associated with the Correspondent LoanNEX Account, even if the Correspondent UserGUID was utilized in *default* field
 - ii. If User should not have access to a Correspondent LoanNEX Account in Encompass, leave blank
 - d. Enter Wholesale UserGUID if applicable
 - i. Enter LoanNEX UserGUID associated with the Wholesale LoanNEX Account, even if the Wholesale UserGUID was utilized in *default* field
 - ii. If User should not have access to a Wholesale LoanNEX Account in Encompass, leave blank
- e. Select **User** from list
- 12. Click the Save button
- 13. Repeat steps 13 and 14 above until all Users have been added



Configuration Settings

TPO Connect Settings

Important Notes

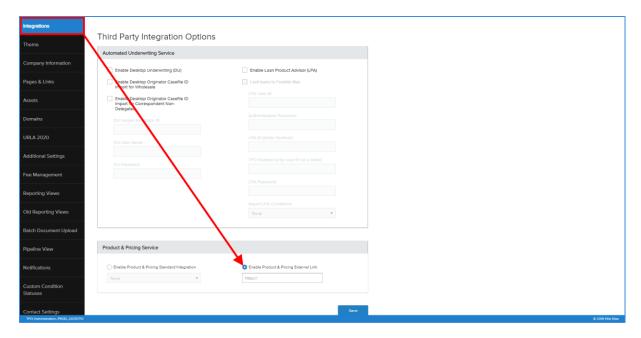


- If you are not utilizing the TPO Connect portal with your LoanNEX Integration, can skip this section
- There are two ways to enable the LoanNEX Products and Pricing Service in TPOC:
 - Loan Summary Products Pricing & Lock (Option 1)
 - Loan Actions External Page (Option 2)

Loan Summary: Products Pricing & Lock (Option 1)

- 1. LoanNEX will provide the URL (Product & Pricing External Link) needed to expose the LoanNEX Product & Pricing Service in your Encompass TPOC Connect
- 2. Login to Encompass Admin portal
- 3. Select the Home tab
- 4. Select the **TPO Web Center Administration** link from the menu on the right side of the screen
- 5. The **Encompass TPO Connect Administrator** site will launch in a new window, which lists all the TPO Connect Websites for your Company
- 6. Find the appropriate Encompass TPO Connect Website
- 7. Select the Edit link for that URL





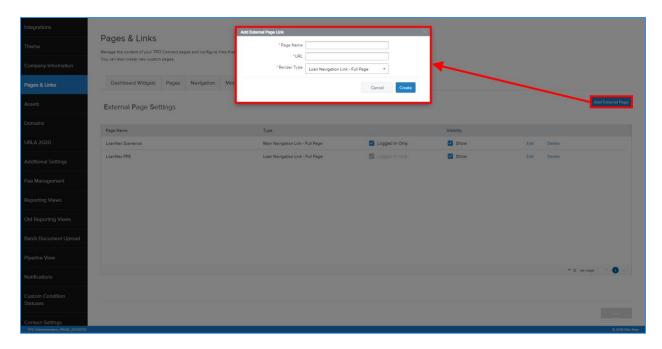
- a. Select the **Integrations** tab from the menu on the left side of the screen
 - i. Find Product & Pricing Service
 - 1. Select Enable Product & Pricing External Link radio button
 - 2. Enter **URL** provided by LoanNEX

Loan Actions: External Page (Option 2)

Best Practices

- Do not duplicate the same products in each platform
- Utilize LoanNEX for Non-Agency specific products so that you have the broadest parameters to deliver accurate pricing and eligibility
- By having specific products built in each PPE, your internal team will be able to quickly know which engine to use when validating and confirming pricing
- Remember, all activity is recorded in LoanNEX for both the client and your team. This
 record will allow you to always know what occurred, when and with what information
- 1. LoanNEX will provide the URL needed to expose the LoanNEX Product & Pricing Service in your Encompass TPOC Connect
- 2. Login to Encompass Admin portal
- 3. Select the **Home** tab
- 4. Select the **TPO Web Center Administration** link from the menu on the right side of the screen
- 5. The **Encompass TPO Connect Administrator** site will launch in a new window, which lists all the TPO Connect Websites for your Company
- 6. Find the appropriate Encompass TPO Connect Website
- 7. Select the **Edit** link for that URL





- a. Select the Pages and Links tab from the menu on the left side of the screen
- b. Select the Add External Page button
 - i. Enter a Page Name
 - ii. Enter **URL** provided by LoanNEX
 - iii. Render Type: Loan Navigation Link Full Page
 - iv. Click the Create button



- 8. Select the **Logged in Only** checkbox
- 9. Select the **Show / Visibility** checkbox

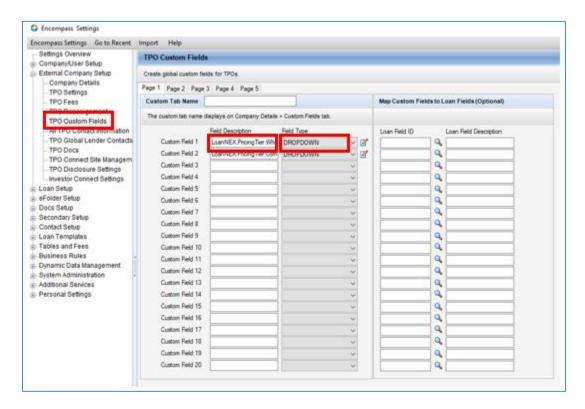


Encompass SmartClient Settings

Rate Sheets and Pricing Tiers

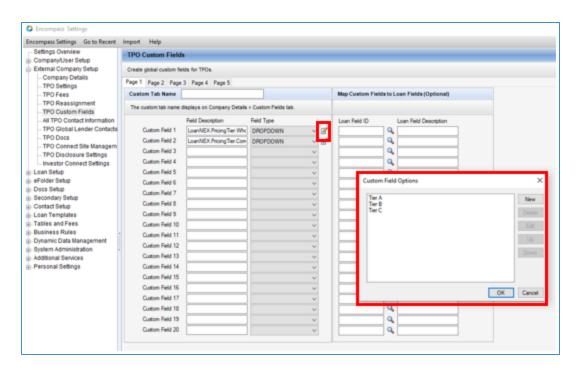
Important Notes

- If you do not have multiple Rate Sheets, you can skip this section
- New Pricing Tiers must be communicated to LoanNEX at <u>support@loannex.com</u> to associate in our system (Pricing Tier Tags)
- Custom field options cannot be duplicated (i.e., you cannot have a "Tier A" option in more than one Rate Sheet / Pricing Tier)

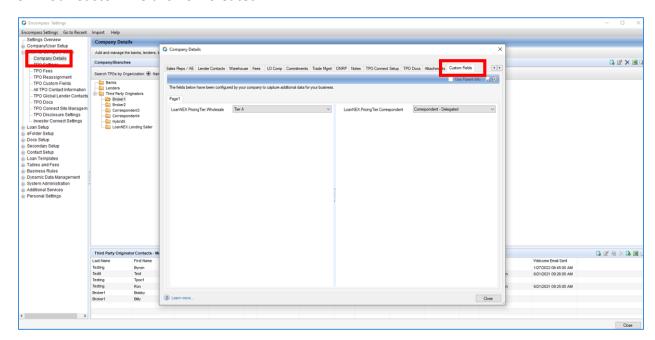


- 1. Login to Encompass SmartClient
- 2. Select **Settings** from the Encompass drop-down on the top menu bar; the Encompass Settings window will open in a new window
- 3. Under External Company Setup, go to TPO Custom Fields
- 4. Create a new custom field:
 - a. Field Description
 - i. Format: LoanNEX.PricingTier.[ClientText]
 - ii. The custom field must start with LoanNEX.PricingTier.
 - b. Field Type: DROPDOWN
 - i. Do not select the Dropdown Editable option





- c. Select the edit icon to enter the Custom Field Options
 - i. Click the New button and name your options based on your business needs
 - ii. When all options are added for the Custom Field, click the **Ok** button
- 5. Your Custom Field is now created



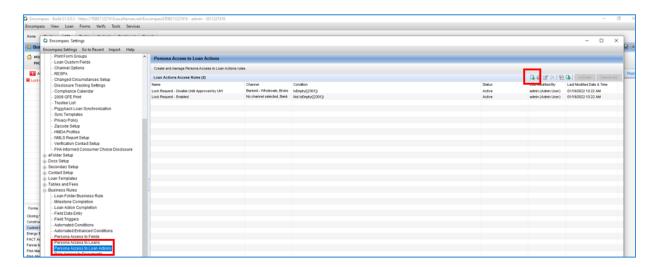
- 6. Under External Company Setup, go to Company Details
- 7. The last tab on the Company Details page is **Custom Fields**
 - a. Assign the Rate Sheet to the external organization via the dropdown options
 - b. Click the Close button



- 8. Associate the Custom Field with the LoanNEX Pricing Tier
 - a. LoanNEX Recommendation: Email <u>support@loannex.com</u> with the following information:
 - i. Field Description (ex: LoanNEX.PricingTier.Wholesale)
 - ii. All Dropdown options (ex: Tier A, Tier B, Tier C)
 - b. Click <u>HERE</u> for steps to login to LoanNEX and associate the Custom Field with the LoanNEX Pricing Tier, without LoanNEX assistance

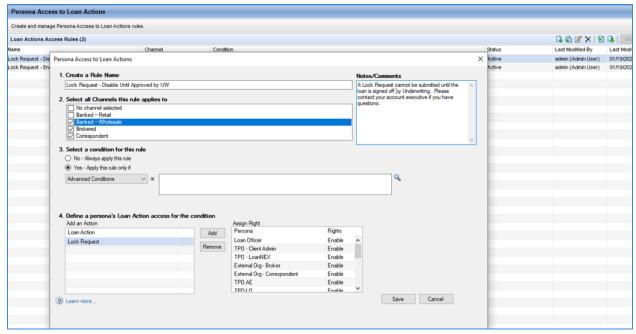
Create Business Rule to Enable and Disable Access to Lock Request

- 1. Login to Encompass SmartClient
- 2. Select **Settings** from the Encompass drop-down on the top menu bar; the Encompass Settings window will open in a new window



- 3. Under Business Rules, go to Persona Access to Loan Actions
- 4. Click the **new** icon to open a new Persona Access to Loan Actions window

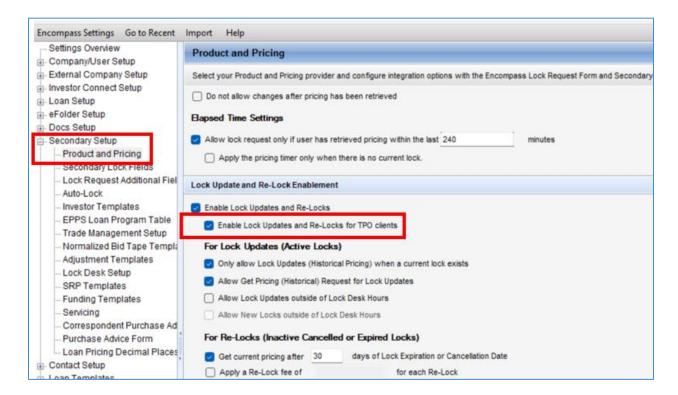




- a. **Create a Rule Name** the business rule name should be descriptive, as LoanNEX will display the name to the User
- b. **Select all Channels this rule applies to** ensure the channels apply to loans entered through TPOC
- c. Select a condition for this rule: Yes Apply this rule only if
 - i. Select the Advanced Conditions dropdown
 - ii. Assign Field and Operator
- d. Define a persona's Loan Action access for the condition: Lock Request
- e. Assign Right: Disable for Personas for External Organizations (TPOC)



Enable Modifications for TPO Connect

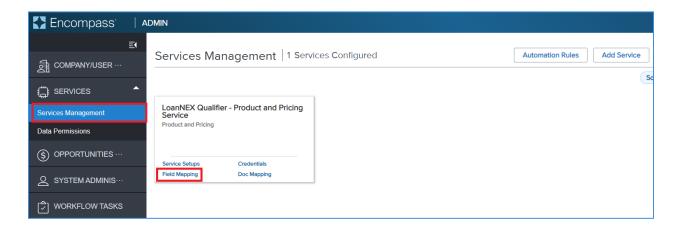


- 1. Login to Encompass SmartClient
- 2. Select **Settings** from the Encompass drop-down on the top menu bar; the Encompass Settings window will open in a new window
 - 3. Under Secondary Setup, select Product & Pricing
- 4. Under the Lock Update and Re-Lock Enablement section, check the Enable Lock Updates and Re-Locks for TPO Clients checkbox
- 5. Select the Save icon

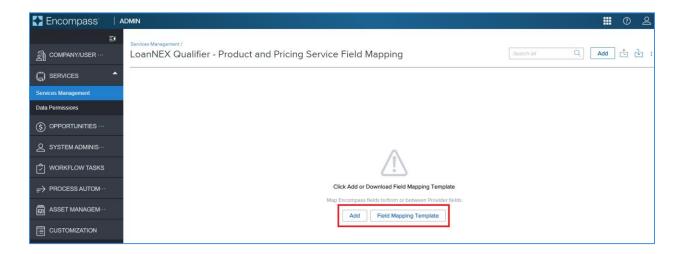


EPC Custom Field Mapping to/from LoanNEX

- 1. Login to Encompass LO Connect (encompassloconnect.com/admin)
- 2. Select the **Admin** tab on the menu at the top of the screen

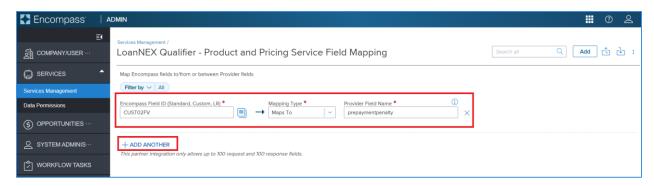


- 3. Select Services Management on the left menu bar
- 4. Find LoanNEX Qualifier Product and Pricing
 - a. Select Field Mapping



- 5. Click **Add** to add an individual mapping option, or click **Field Mapping Template** to download excel template and create multiple mappings
 - a. LoanNEX recommends starting with one field mapping to ensure you are yielding the appropriate results before adding additional field mappings





- 6. Add field values for custom mapping
 - a. Encompass Field ID (Standard, Custom, LR)
 - b. Mapping Type
 - c. Provider Field Name
- 7. Select **Add Another** as needed, or go back to the Field Mapping page to download an excel template and create multiple mappings



LoanNEX Settings

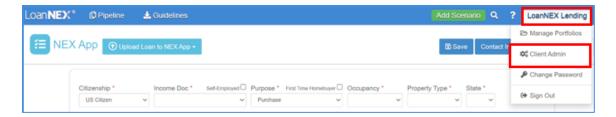
Pricing Tier Settings

Important Notes

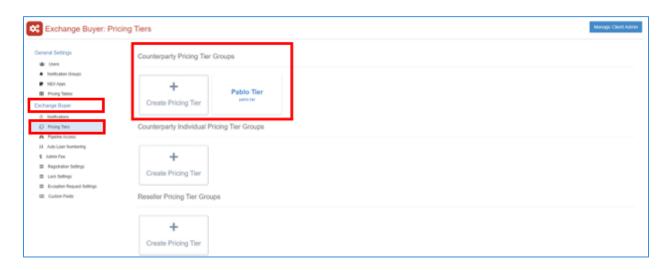
- The Lock Request Workflow Pricing Tier settings will dictate what Lock-it Settings are required
- Rate Sheet / Pricing Tier Tags steps only need to be completed if you have added a custom field for Pricing Tiers in the Encompass SmartClient Settings portion of this guide; see steps HERE

Lock Request Workflow

1. Login to LoanNEX at https://web.loannex.com/

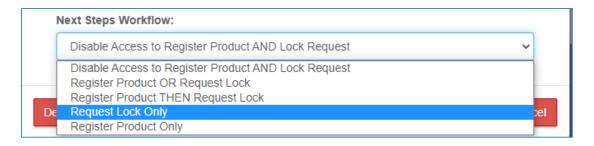


- 2. Click your Company Name in the upper right of the screen
- 3. Select Client Admin



- 4. Go to Pricing Tiers under Exchange Buyer
 - Open a Pricing Tier under Counterparty Pricing Tier Groups and scroll to the bottom of the page

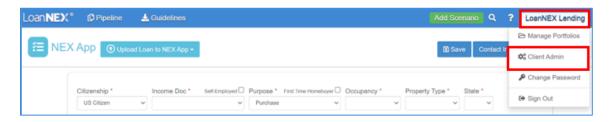




- b. Select an option from the **Next Steps Workflow** drop-down
 - i. N/A Don't allow Access to Register Product or Lock Request
 - ii. Select **Register Product or Lock Request** if you would like to give the User the option to either Register a Product, or Request a Lock
 - iii. Select **Register Product then Lock Request** if you require a 2-step Registration and Lock process
 - iv. Select **Lock Request Only** if you do not require Registration prior to locking a loan
 - If selected, you do <u>not</u> need to complete the Product Registration Settings in <u>LoanNEX Lock-it Settings</u> section below
 - v. N/A Register Product Only
- c. Click the Save button
- d. Repeat steps for each Pricing Tier under Counterparty Pricing Tier Groups

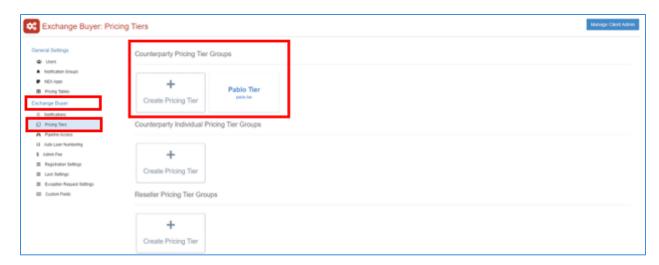
Rate Sheet / Pricing Tier Tags

1. Login to LoanNEX at https://web.loannex.com/

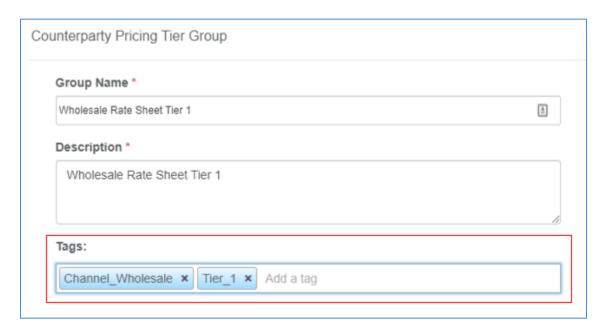


- 2. Click your Company Name in the upper right of the screen
- 3. Select Client Admin





- 4. Go to **Pricing Tiers** under Exchange Buyer
- 5. Find and open the Pricing Tier associated with the new Custom Field under **Counterparty Pricing Tier Groups**



- 6. Find Tags and enter the Custom field Option associated with the Pricing Tier
 - a. If you do not see your custom Tag, please contact support@loannex.com
- 7. Click the **Save** button
- 8. Repeat steps for each Rate Sheet Custom Field Option and the corresponding Pricing Tier under **Counterparty Pricing Tier Groups**



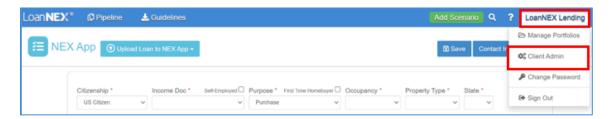
LoanNEX Lock-it Settings

Important Notes

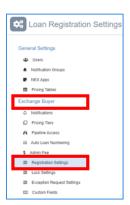
- Product Registration Settings do <u>not</u> need to be completed if you selected "Lock Request Only" when setting up your <u>Lock Request Workflow</u>.
- Both Product Registration Settings and Lock Settings are <u>required</u> if you selected "Register Product or Lock Request," or "Register Product then Lock Request" when setting up your <u>Lock Request Workflow</u>.
- Custom Fields are optional, and can be used to ask for additional information from the User,
 prior to them Registering or Locking the loan

Product Registration Settings (Save to LOS)

1. Login to LoanNEX at https://web.loannex.com/



- 2. Click your Company Name in the upper right of the screen
- 3. Select Client Admin



4. Go to Registration Settings under Exchange Buyer



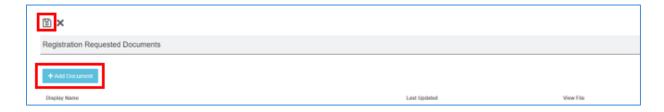
Registration Settings
Seller Registration Label
Comment on Request Registration Page
Pending Registration Comment (Comment after the registration was requested)
Request Registration URL Link (Investor/Lender Portal Link)
Approve Registration Comment

- 5. **Seller Registration Label** enter a button label for the User's next step
 - a. 20-character limit
 - b. LoanNEX Recommendation: Save to LOS
- 6. **Comment for Registration Information Page** message displayed to Users on the Request Registration Page
 - a. LoanNEX Recommendation: Thank you for saving your loan with **Client Name**, someone will reach out to you within 24 hours for further instructions. For questions email our lock desk **lockdesk@client.com**
- 7. **Pending Registration Comment** message displayed to Users after the Registration is submitted
 - a. Must be in HTML format
 - b. LoanNEX Recommendation: Thank you for saving your loan with Client Name, someone will reach out to you within 24 hours for further instructions. For questions email our lock desk lockdesk@client.com
- 8. Request Registration URL Link enter your Encompass TPO Connect URL
- 9. **Approved Registration Comment** message emailed to Users after the Registration is Approved
 - a. Must be in HTML format
 - b. LoanNEX Recommendation: Your loan save has been approved, please login to our portal to take the next step in the loan process.

☐ Require Loan File (DU 3.2 or MISMO 3.4)
✓ Allow Quick Price
☐ Require DTI / DSCR
☐ Require Months Reserves

- 10. Do **NOT** select the **Require Loan File** checkbox, as the file is already in the LOS via TPOC
- 11. Option to Allow Quick Price select checkbox if allowed
 - a. Option to **Require DTI / DSCR** if Allow Quick Price checkbox is selected
 - b. Option to Require Months Reserves if Allow Quick Price checkbox is selected

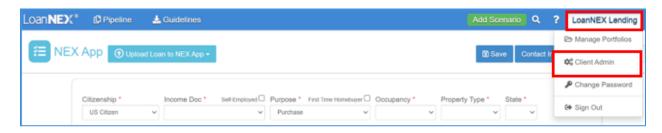




- 12. Click the **Add Document** button to upload files, which will be provided to the User with the Registration confirmation email
 - a. Examples: Submission Checklist, Lock Requirements
- 13. Save by clicking the disc icon

Lock Settings

1. Login to LoanNEX at https://web.loannex.com/



- 2. Click your Company Name in the upper right of the screen
- 3. Select Client Admin



- 4. Go to Lock Settings under Exchange Buyer
- 5. Request Lock Link enter your Encompass TPO Connect URL
- 6. Request Lock Comment message displayed to Users after the Lock Request is submitted



- a. LoanNEX Recommendation: Thank you for locking your loan with Client Name, we will get back to you within 24 hours with approval. For questions email our lock desk lockdesk@client.com
- 7. Approved Lock Comment message emailed to Users after the Lock is Approved
 - a. LoanNEX Recommendation: Your lock has been approved with **Client Name**. Please access our portal link above for the record of confirmation.
- 8. **Seller Lock Label** enter a button label for the User's next step when they want to lock a loan
 - a. 20-character limit
 - b. LoanNEX Recommendation: Request Lock



- 9. Option to Require Universal Loan Identifier (ULI) select checkbox if required
- 10. Option to Require Loan File select checkbox if required
- 11. Option to Allow Quick Price select checkbox if allowed
 - a. Option to Require DTI / DSCR if Allow Quick Price checkbox is selected
 - b. Option to Require Months Reserves if Allow Quick Price checkbox is selected

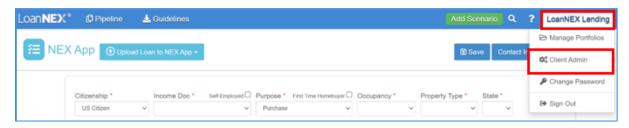


- 12. Click the **Add Document** button to upload files, which will be provided to the User with the Lock Request confirmation email
 - a. Examples: Submission Checklist, Lock Requirements
- 13. Save by clicking the disc icon



Create Custom Fields in LoanNEX

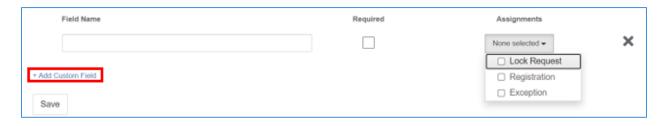
1. Login to LoanNEX at https://web.loannex.com/



- 2. Click your Company Name in the upper right of the screen
- 3. Select Client Admin



4. Go to Custom Fields under Exchange Buyer



- 5. Click the **Add Custom Field** link
- 6. Enter a Field Name
 - a. Examples: Title / Escrow Order Number
- 7. Option to make Custom field **Required** select checkbox if required
- 8. Custom field can have **Assignments** to different actions in the lock process, which will be shown on the submittal pages in LoanNEX
 - a. Select the checkbox for all that apply:
 - i. Lock Request
 - ii. Registration Request
 - iii. Exception Request
- 9. Click the Save button