



Client Member Portal (CMP)

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Change History

Date	Version	Topic	Description
2023-10	V1	All	The initial release of the Client Member Portal (CMP) user manual.
2023-12	V1.1	Trades	Minor correction to Trade Types

Introduction

CMP is an online platform that offers registered FCM Clearing Firms and Trading Privilege Holders (“TPH”) access to features to manage risk, provide Position Change Specification (PCS) information, view balances, trades, margin, and delivery information for Cboe Digital margin futures products.

User Permissions

The features a user has enabled are permissioned by the Cboe Digital Membership Team. Users can be given permission for screens and functionality. Cboe Digital has defined the following roles with the default permissions.

Menu	Screen	Feature	Roles			
			General Ops	Clearing Ops	Treasury	Risk Mgmt
Home	Balance Snapshot		✓		✓	✓
Positions	Positions		✓	✓		
	Deliveries		✓	✓		
Risk Account Management	CAR					✓
	CGM					✓
Treasury	Balance Details		✓		✓	✓
	Funding	Deposit	✓		✓	
		Withdrawal	✓		✓	
Trades	Trades		✓	✓		✓
Position Adjustments	Position Adjustments		✓	✓		
Profile	Reports / Statements		✓	✓	✓	

You may access CMP via the following links:

Production:

<https://clearing.erisx.com/>

Testing in New Release:

<https://clearing.newrelease.erisx.com>

Getting Started

It is highly recommended that Chrome be used as other browsers may not properly display information or work effectively.

Initial User Registration

After a user is created by the Cboe Digital Membership Team, the user will have to go through a registration process. This is done by selecting the **“Sign Up”** option found on the bottom of the log in page. **Please click on the “Sign Up” prompt to complete the registration process.** Please note, the email address must match the email that was provided to the Membership Team for the initial setup.

Once “Sign Up” has been selected, a new page will display.

Please complete the following:

1. Enter the registered email address provided to the Membership Team and click enter.
2. Enter a password that contains the following:
 - a. At least 12 characters that contains:
 - i. At least 3 of the following:
 1. Lower case letters (a-z)
 2. Upper case letters (A-Z)
 3. Numbers (0-9)
 4. Special Characters (e.g. !@#%^&*)
 5. No more than 2 identical characters in a row
3. An option to confirm the password is not provided. **It is highly recommended to change the state of the input by clicking the eye character to unmask the password to ensure the correct password is being entered.**
4. Click on “Continue”

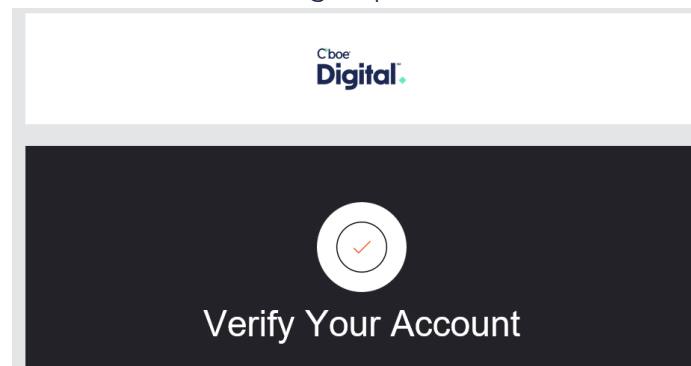
The image displays three sequential screenshots of the Cboe Digital registration process, each enclosed in a black border. The first screenshot, titled 'Welcome', shows the Cboe Digital logo at the top, followed by the text 'Log in to Cboe Digital (NRL) to continue to Clearing Member Portal.' Below this is an 'Email address' input field and a green 'Continue' button. A yellow box highlights the 'Sign up' link at the bottom. The second screenshot, titled 'Create Your Account', shows the Cboe Digital logo and the text 'Sign Up to Cboe Digital (NRL) to continue to Clearing Member Portal.' Below this is an 'Email address' input field and a green 'Continue' button. A yellow box highlights the 'Email address' field, and a green circle with the number '1' is placed to its left. The third screenshot, also titled 'Create Your Account', shows the Cboe Digital logo and the text 'Set your password for Cboe Digital (NRL) to continue to Clearing Member Portal.' Below this is a text input field containing 'john.doe@abccompany.com' with an 'Edit' link to its right, a 'Password' input field with an eye icon to its right, and a green 'Continue' button. A yellow box highlights the 'Password' field, a green circle with the number '2' is to its left, a green circle with the number '3' is to the right of the eye icon, and a green circle with the number '4' is to the left of the 'Continue' button.

Email Confirmation

Depending on the environment being used, an auto-generated email will be sent to the registered email address from either onboarding@newrelease.erisx.com, if registering in the test environment, or digital.onboarding@cboe.com if registering in the production environment. If an email confirmation is not received within 5 minutes of registering kindly check any spam folders or reach out to the membership team via email digital.membership@cboe.com.

The email will ask the user to confirm their email address. Please click on the “Confirm my account” button to complete the confirmation process.

Below is an example of the auto-generated confirmation email that is sent by the onboarding team requesting verification of the email sign-up.



Environment URLs

Once you have verified your account you may log into the application via the appropriate URL.

Production: <https://clearing.erisx.com/>

Testing in New Release: <https://clearing.newrelease.erisx.com>.

Please enter your email address and password and click “Continue”.

Security Questions

The user will be prompted to provide a response to three unique security questions.

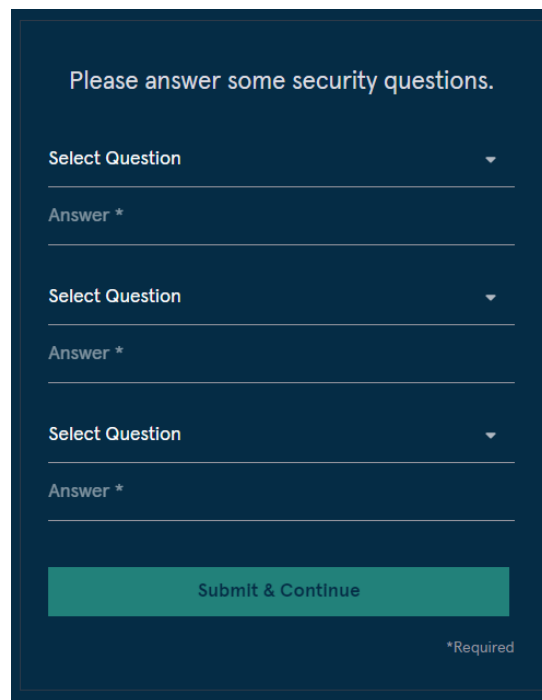
User may select the security questions by clicking the drop-down to the right of the security question sections.

The security question options are:

1. What was the name of your first pet?
2. What was the town you grew up in?
3. What is your favorite pizza?
4. What is your favorite ice cream?
5. What was the make and model of your first car?

Please ensure to document the responses in a secure location since the information will be used to verify the identity of the user when they call Cboe Digital operations teams.

Click on “Submit & Continue” to move onto the next security prompt.



Please answer some security questions.

Select Question ▼

Answer *

Select Question ▼

Answer *

Select Question ▼

Answer *

Submit & Continue

*Required

Funding Password

A funding password is then required to be set up.

The funding password provides an additional layer of security for specific actions taken on the platform. The password should be unique from any other passwords that may have been used in the past.

Please ensure the funding password is stored within a secure password manager or secure location.

In the event the funding password is forgotten, the user will need to reach out to the Treasury Team either through email digital.treasuryops@cboe.com or phone +1 (888) 782-7481. Please note, as part of an operational procedure, the Treasury Team will call the member user at the phone number provided by the FCM on the permission form.

An option to reset the funding password is provided via the profile section. If the password needs to be reset, please review the [profile](#) section of this document.

Funding Password

Set up a funding password for your user account. This password allows you to securely add bank and crypto currency accounts and is required. It should be unique from any password you may use to log in.

Your funding password is used to protect your assets. To ensure the security of your account, we measure the complexity of this password using a technique known as **entropy**.

Here are some suggestions to ensure you choose a sufficiently complex password:

- At least 12 characters in length
- Use a mixture of letters, numbers, and punctuation
- Do not reuse the same password you have used elsewhere
- As an alternative, consider using a set of 4 or 5 random words

Enter funding password: *

Confirm funding password: *

Submit

Logging Out

Navigate to the user profile found in the upper right-hand corner of the CMP page. Click on the user initials to find the option to “Sign Out”.

Click on “Sign Out” option to log off the web portal successfully.

The screenshot shows the Cboe Digital web portal interface. At the top left is the Cboe Digital logo. To its right, the text 'USD VALUE \$0.00' is displayed. Below the logo is a navigation menu with items: Home, Positions, Risk Account Management, Treasury, Trades, and Position Adjustments. The main content area is titled 'Balance Snapshot' and includes a 'Cycle:' dropdown menu. Below this is a table with columns: Account Code, Account Designation, Account Name, Account Type, Total Assets, and Total Requirement. The table is currently empty, with the text 'No Balance Snapshots to display' centered below it. On the right side of the page, there is a user profile dropdown menu for 'Jane Doe' with the email 'janedoe@erix.com'. The menu items are: Profile, Reports / Statements, Linked Accounts, API Settings, and Sign Out. The 'Sign Out' option is highlighted with a yellow box. A red arrow points to the user initials 'JA' in the top right corner of the page.

Enabling Two Factor Authentication (2FA)

Once logged into the member portal you will find an option to enable 2FA at the top of the page. 2FA is recommended as an extra layer of security but not required.

Cboe Digital recommends you enable 2FA. [Enable 2FA](#)

1. Click on the enable 2FA button in the banner to start the process. You will be taken to the Profile page where you will need to click on Reset 2FA.

[Reset 2FA](#) | [Reset Column Widths](#) | [Reset Funding Password](#)

2. A dialogue will appear explaining that once 2FA is enabled it will be required for all subsequent logins.

You do not have Two-Factor Authentication enabled for this account. Cboe Digital recommends you enable it to increase the security of your account.

Note: Setting up 2FA requires all future logins to enter a code supplied by your authenticator app.

[Enable 2FA](#)

3. Once you click on **Enable 2FA** and email will be sent to carry on the process.
4. Locate the email in your inbox and click on the link to ENROLL IN MULTI FACTOR AUTHENTICATION
5. A webpage will open and display a QR that will need to be scanned with an authenticator app such as Google Authenticator, for example.
6. After scanning the QR code, enter the 6-digit onetime code into the box provided.

Resetting 2FA

If you already have 2FA enabled and would like to have it reset, please contact Client Services digital.clientservice@cboe.com.

CMP Overview

Home Page

The home page displays the main content for Balance Snapshot, a sidebar of functional pages, and access to the user profile.

Balance Snapshot

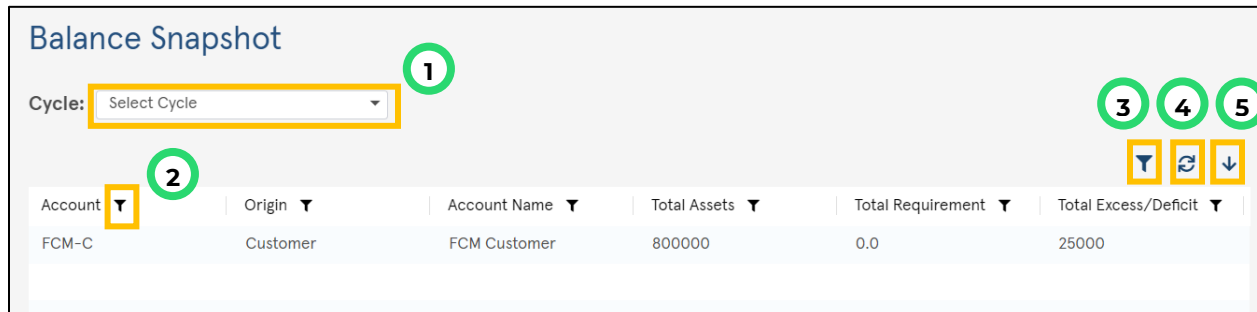
The home page will display daily settlement information for the clearing member firm. Please note the following details:

1. The page will remain blank until:
 - a. The first trade is executed under the FCM account and,
 - b. The first snapshot occurs, either midday or end of day.

If a trade occurs after the end of day snapshot, the FCM will have to wait until the next snapshot occurrence.

The Balance snapshot page also provides a number of features:

1. Selecting a snapshot cycle. A midday or end of day (EOD) snapshot can be selected. The cycle function is able to list up to 7 business days.
2. Ability to filter the data from each column.
3. Reset the column filters.
4. Refreshing the data on the page
5. Exporting the information to a csv file

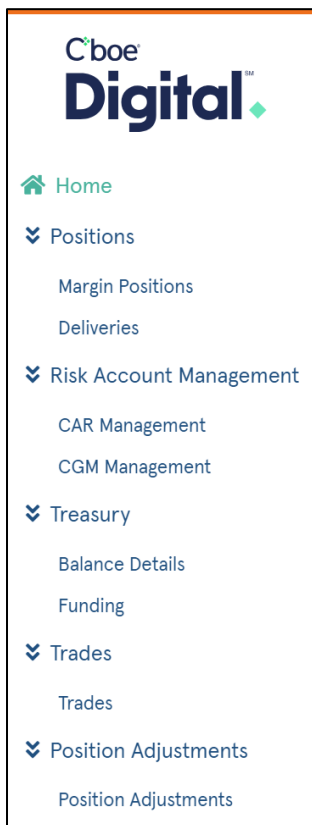


Below is a description of the fields that are present on the Balance Snapshot page.

Column Header	Description
Account	The FCM Account number. The naming convention is a combination of the firm code and account type.
Origin	Specifies whether the account represents the FCM customer account or its own house account. The value is populated by the Clearing Membership Team once the account is created.
Account Name	The name of the associated Account.
Total Assets	The current balance of deposits for the associated account.
Total Requirement	The total margin requirements corresponding to the total exposure of the associated account.
Total Excess/Deficit	The difference between the Total Assets of the associated account and the Total Requirements.

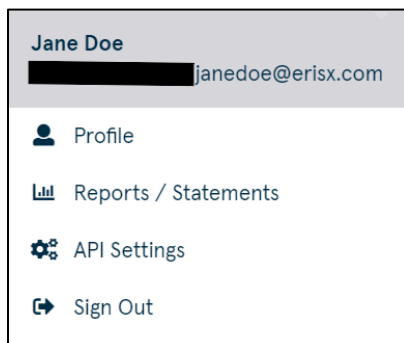
Sidebar

The sidebar will display functional pages that are structured in a parent/child tree format.



User Profile

The user profile is a collection of settings and information associated with a user. It contains information related to entitlements, generating ad-hoc reports, API settings and the option to sign out.

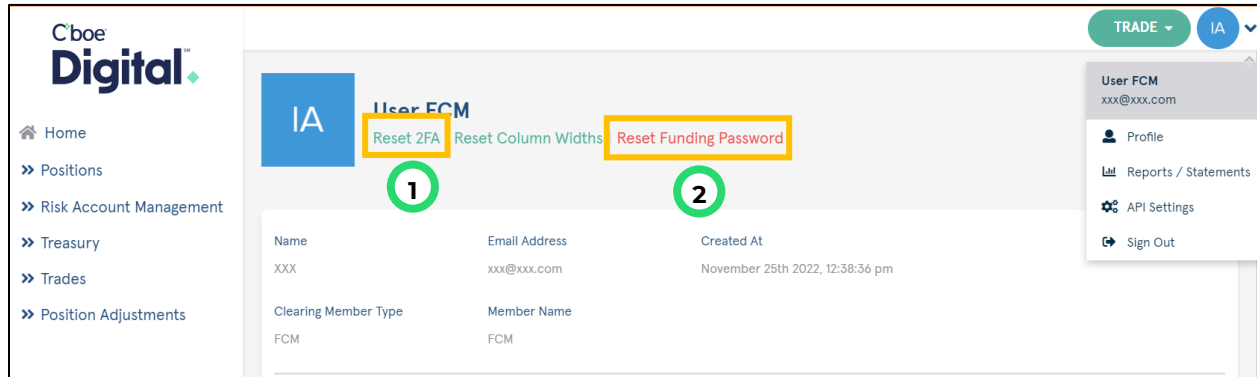


Profile

The user "Profile" can be found right beneath the user's email address. The profile page will display general information regarding the user, the accounts they have access to and their permissions.

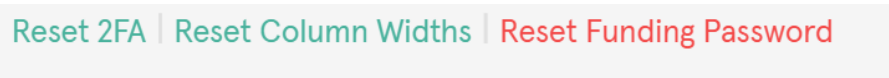
Users have the option to:

1. Reset 2FA if it is enabled. The option to enable 2FA is provided in the [Enabling Two Factor Authentication \(2FA\)](#) section.
2. Reset their funding password.



Reset Funding Password

Click on the “Reset Funding Password” option.



When the “Reset Funding Password” feature is chosen, a pop-up window will display prompting the user to:

1. Enter the current funding password.
2. Enter a new funding password.
3. Confirm the new password.

Click “Submit” to complete the password reset.

Change Funding Password

In order to better manage the security of your API keys, we highly recommend that you refresh your API keys when you modify your funding password or create new keys on a regular basis. API keys remain valid until you delete them.

Here are some suggestions to ensure you choose a sufficiently complex password:

- At least 12 characters in length
- Use a mixture of letters, numbers, and punctuation
- Do not reuse the same password you have used elsewhere
- As an alternative, consider using a set of 4 or 5 random words

If you don't remember your funding password, contact Digital.clientservice@cboe.com (+1 (888) 782-7481) to reset it.

Enter old funding password: * **1**

Enter new funding password: * **2**

Confirm new funding password: * **3**

Submit

Reports/Statements

The reports/statements section of the user profile allows a user to generate ad-hoc reports, in csv format, that can be downloaded.

Reports

Reports

Generate and download reports for any or all accounts.

Report Type Account

Select a report type All Accounts

Date Range

From Date → To Date

Export File

Fields	Description
Report Type	<p>The Report Type enables you to choose the type of the report from the dropdown consisting of the following options, which are described later in detail:</p> <ol style="list-style-type: none"> 1. Asset Movements 2. Account Summary 3. Contract Data 4. Position Summary 5. Settlements 6. Standing Requirements 7. Trade Register <p>Below is a comprehensive explanation of each of the report types.</p>
Account	The user could select which account the report should correspond to.
Date	A date should be selected for the report.

Report Type	Description
Asset Movements	The Asset Movements report will provide a csv file with the breakdown of balance-impacting movements such as deposits, withdrawals, VM, etc.
Account Summary	The Account Summary report will provide a csv file of the detailed summary of account activity as a result of activity since the last end of day settlement cycle.
Contract Data	The Contract Data report will provide a csv file containing Product & Contract reference data.
Position Summary	The Position Summary report will provide a csv file of positions for a given date.
Settlements	The Settlements report will provide a csv file of settlement prices.
Standing Requirements	The Standing Requirements report will provide a csv file of detailed breakdown of all requirements including Initial Margin, Guaranty Fund, etc.
Trade Register	The Trade Register report will provide a csv file of all trades for a given day.

API Settings

Please see our API documentation [here](#) for reference to the setup, permissions, and functionality of our Clearing REST API.

Positions

These pages will display information related to margin positions and deliveries.

Margin Positions

The margin positions page will display the Start of day, Top day and final positions along with the variation margin required for active, unsettled trades.

These values will update once a minute based upon snapshot calculations and activity.

Expanding the data

When the page is loaded rows will be displayed for each contract that has open positions. Expanding a row will show the open positions in the contract by the Customer Gross Margin account.

Below is the snapshot of a Margin Positions page with each of the columns explained in the corresponding table.

Column Name	Description
Product Code	For example, BTC for bitcoin (Symbology used to describe the product)
Contract Code	Combination of product Code, Expiry Month and Expiry Year [PPPMYY]. For example, BTCU23
Maturity Date	Expiration date of the contract.
Account	Clearing member account for which the positions apply
CGM	The CGM provided by the FCM either; via a trade, related to a CAR account or provided during CGM processing. NAKED – A position in the FCMs clearing account with no CGM value
Start of Day (Gross)	Depicting the long, short and net gross positions at the start of the day.
Start of Day (Net)	Depicting the long, short and net positions at the start of the day.
Top of Day	Depicting the long, short, and net gross positions created within the trading session.
Final	Total position after adjustments. Start of day + top day positions +adjustments.
Variation Margin	Gains or losses from existing positions and trading activities, calculated vs the latest settlement cycle price.
Asset Type	Financial asset classification – US dollar only.

Deliveries (For future use)

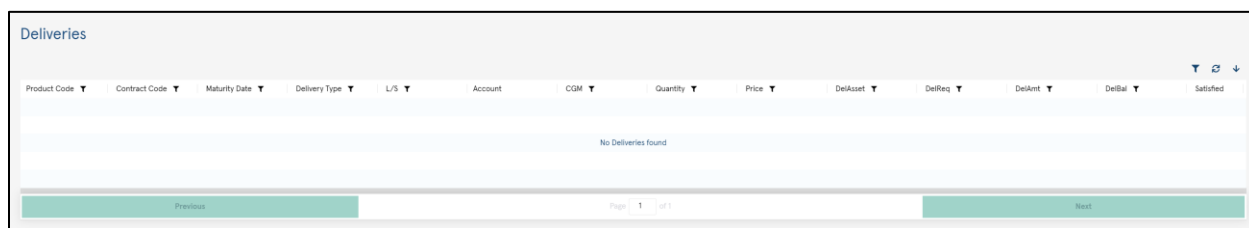
This page shows positions of contracts approaching expiry along with their delivery obligation. Physical deliveries on margin eligible futures will take place in specified spots accounts (“Spot Delivery Account”) for designated Members known as Eligible Delivery Members (“EDMs”).

Eligible Delivery Members

Eligible Delivery Members (EDMs) will be required to become direct members of Cboe Digital and complete the ErisX Spot Membership application. EDMs will need to be approved by their FCM to be able to carry positions to delivery.

Once approved the Cboe Digital Membership team will create the require member and Spot Delivery account. A separate Spot Delivery Account is required for each EDM to FCM relationship.

Below is the snapshot of the deliveries page with each of the columns explained in the corresponding table.



Column	Description
Product Code	For example, BTC for bitcoin (Symbology used to describe the product)
Contract Code	Combination of product Code, Expiry Month and Expiry Year [PPPMYY]. For example, BTCU23
Maturity Date	Expiration date of the contract.
Delivery Type	Indication of the contract’s delivery type.
L/S	Long or Short position indication
Account	FCM Clearing account for the contract that has delivery obligations
CGM	The CGM provided by the FCM either; via a trade, related to a CAR account or provided during CGM processing. NAKED – A position in the FCMs clearing account with no CGM value associated.
Quantity	The quantity of the product for that particular contract.
Price	The last settlement cycle or final settlement price of the contract which the delivery amounts are based upon.
DelAsset	Deliverable Asset (This would either be USD, BTC or ETH)
DelReq	Deliverable Requirement (The current delivery obligation). Physically Settled products are settled within a spot members delivery account. The requirement indicates the USD for long positions or the digital asset for short positions that is required to be delivered.

	Financially Settle products are settled within the FCMs clearing account and will not show any delivery requirements.
DelAmt	Deliverable Amount - The amount of an asset that has been delivered by the Eligible Delivery member into their Delivery Account to meet obligations. EDM relates to the specific participants who are authorized to make or take physical delivery of the underlying commodity specified in a futures contract.
DelBal	Deliverable Balance – The remaining balance of an asset that is required to be delivered to satisfy delivery obligations.
Satisfied	Indication of where delivery obligations have been satisfied. For financially settled products this will show satisfied

Pre-Trade Risk Account Management

This page allows users to set up and manage pre trade risk limits on their customers.

Cboe Digital has designed Pre-Trade risk management of an FCM and its customers around a layered approach. These Risk limits are currently daily based limits on exposure of a product and or expiry.

	Risk Layer	Description
Cboe Digital	FCM	Daily margin and product exposure limit will be defined and administered by the Cboe Digital Risk team.
FCM	Customer Account	Each FCM Customer account needs to be setup.
	Product Limits	Products must be enabled before trades will be accepted.
	Expiry Limits	(Optional) Expiry based limits can be set as required.

- **CAR** (Customer Account Reference) – This is the customer Account number on the FCMs books and records. For example, and individual or trading desk within a firm.
- **CGM** (Customer Gross Margin) – A group of CARs upon which the FCM would charge margin. This may have a 1 to 1 or 1 to many relationships a with CAR. For example, an individual with a single account would have a single CGM whereas a trading firm with many trading desk may have many CARs which relate to a single CGM.

User Permissions for Risk Management

Users can be permissioned as view only or be given the ability to add and update risk management.

Changes to these permissions should be sent to digital.membership@cboe.com

Permissions	Description
Read Pre-Trade Risk	Allows a user to view the existing CAR and CGM setup in the system and their pre trade risk settings
Write Pre-Trade Risk	Allows a user to add or update CAR and CMG values and set pre trade risk values.

CAR Management

This table describes the parameters available for configuration of Pre-trade risk limits.

Column Name	Description
CAR (required)	See description above. 12 characters max alphanumeric and spaces are not allowed.
Type (required)	How the positions in a CAR should be evaluated. <ol style="list-style-type: none"> Gross - Represents the total number of long and short contracts an account holds without netting. Net – Represents the total number of long OR short contracts an account holds after netting.

Self-Match Prevention (SMP) (required)	<p>Enabling this will prevent the matching of orders within the same CAR.</p> <p>If self-match prevention (SMP) is enabled for the CAR, the new order will be accepted and the resting order will be canceled.</p> <p>When a CAR has been created the table will show:</p> <ul style="list-style-type: none"> • A green box will indicate the function is enabled. • A blank box will indicate the function is not enabled.
Default Max Order Size	<p>The default max order size for all products that are enabled.</p> <p>The risk control will reject an order or a modify where the quantity submitted is greater than the limit set.</p> <p>Product max order size (below) will override this value.</p>
CGM Account	<p>See description above.</p> <p>Informational purposes only. The CGM account type will be used for intraday SPAN calculations.</p>
Product (required)	<p>Products which an account can trade must be enabled before trades will be accepted.</p> <p>Example product codes:</p> <ul style="list-style-type: none"> BTC - Bitcoin Physically Delivered Futures ETH - Ether Physically Delivered Futures FBT - Bitcoin financially settled Futures FET - Ether Financially settled Futures
Expiry Limit	<p>(Optional) Long and Short Exposure limits can be set at the expiry level to better control access to expiring contracts or exposure to calendar spreads.</p>
Max Order Size (Product)	<p>The maximum order size that can be entered for a specific product. Value set at the Product level will apply to all expiries.</p> <p>The default max order size is overridden by product max order size limit,</p>
Max Short (Exposure)	<p>These limits can be applied at the product or expiry level.</p> <p>New orders are rejected if the result of their execution would create a long or short exposure that is greater that the exposure limit.</p> <p>Existing positions and working orders are evaluated for this control.</p>
Max Long (Exposure)	<p>Net Account Exposure Calculations</p> <p>Long Exposure = Long position qty – Short position qty + working buy orders</p> <p>Short Exposure = Short Position Qty – Long Position Qty + working sell orders</p> <p>Gross Account Exposure Calculations</p> <p>Long Exposure = Long position qty + working buy orders</p> <p>Short Exposure = Short Position Qty + working sell orders</p>
Edit	<p>Edit – Allows updates to the existing risk settings. (See details below). Changes must be saved or dismissed.</p> <div style="text-align: center;"> Dismiss Save Changes </div> <p>Clone – Provides a quick way to setup a new CAR with the same settings as an existing entry</p>

A value is required for all fields that contain an asterisk. A description of the fields can be seen in the table below.

Setting up Pre-Trade risk limits

The following steps should be followed to set up new pre trade risk limits.

1. Click "Add CAR".
2. Enter the CAR reference. (See the description above)
3. Select the type of CAR you are creating.
4. Choose whether self-match prevention should be enabled.
5. Set the default Max order size.
6. (Optional) A CGM can also be related to the CAR but using the dropdown (see CGM setup below)

You can save this new CAR or continue to add the Products that should be permitted to trade.

The screenshot shows a web form titled "ADD NEW CAR" with a close button in the top right corner. The form contains the following fields and controls:

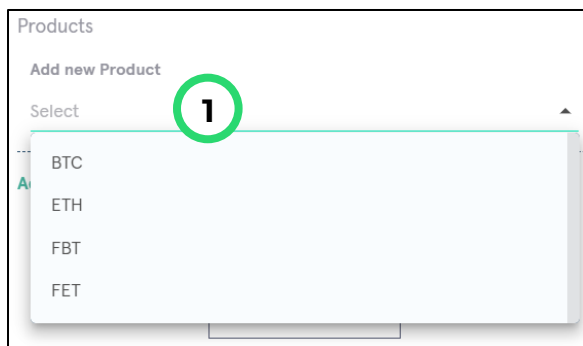
- 2**: A text input field labeled "CAR" with the placeholder "Enter CAR *".
- 3**: A dropdown menu labeled "Type" with the placeholder "Select".
- 4**: A dropdown menu labeled "Self Match Prevention" with the placeholder "Select".
- 6**: A dropdown menu labeled "CGM Account" with the placeholder "CGM Account".
- 5**: A text input field labeled "Default Max Order Size" with the placeholder "Enter Default Max Order Size *".

Below the input fields is a section titled "Products" with a link "Add new Product". At the bottom of the form are two buttons: "Cancel" and "Save".

Adding Products

Products which an account can trade must be enabled before trades will be accepted. Individual product limits are not required.

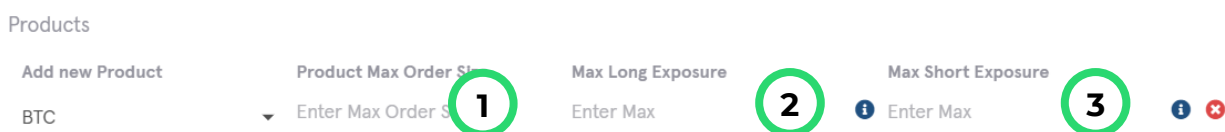
1. Click Add a new Product.
2. Select the product from the list.
3. Repeat for all products that an account should be enabled for.



Setting Product limits

These values are optional and only required should product specific limits be required.

1. Set the Product specific max order size.
2. Set the Product Max Long and
3. Max Short exposure limits.
4. Repeat for all product that need to have limits set.



Note: Leaving these values empty will not constrain the position that an account can accumulate across all contracts within a product.

Removing a product

Products can be removed by clicking the red X icon during the setup or by selected delete after clicking edit against an existing CAR entry.

Setting Limits by Expiry

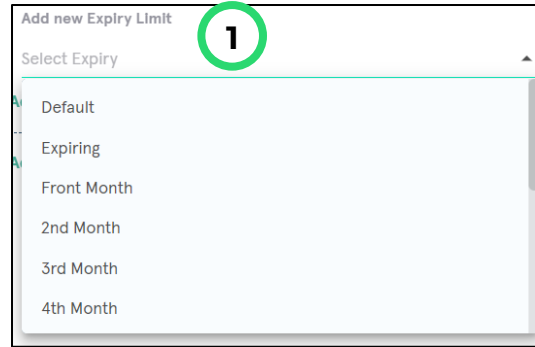
Limits can also set at the expiry level if required. These limits are not tied to the contract naming convention but related to the order in which contracts expire.

Expiry	Description
Default	Applies Long and short exposure limits to all individual expires
Expiring, Front Month, 2 nd Month etc	Allows exposure limits to be set at specific expiry periods.

Note: The front month contract will move to the expiring contract at a set number of days prior to expiry.

Steps

1. Select an expiry from the dropdown.
2. Set the Max Long and
3. Max Short Exposure specific to the expiry selected.
4. Repeat for any expiries that need to have limits set.



A CGM, it can be created either in the CAR Management section or CGM Management section.

Editing an Existing CAR

Each entry in the CAR table can be edited.

[Edit](#) | [Delete](#) | [Clone](#)

Clicking Edit will reveal fields that can be edited as well as the Add New Product and Add Expiry options.

- Edits to the Type, Default Max Order Size and CGM can be made.
- CAR with no products
 - The Add New Product option will be displayed.
- CAR with Products limits.
 - Edits to the Max Order Size, Max Short (Exposure), Max Long (Exposure) can be made.
 - The Add New Product option will be displayed.
 - The Add Expiry option will be displayed.
- CAR with Expiry Limits set
 - (Expanding the Product code using the green chevron may be required)
 - Edits to the Expiry Max Order Size, Max Short and Long (Exposure) can be made.

Delete an Existing CAR

Removing an existing CAR can be performed using the delete button next to an existing CAR.

Please make sure that the respective CAR does not have any open positions or working order before attempting to delete the CAR.

[Edit](#) | [Delete](#) | [Clone](#)

1. Click delete next to the CAR setup that you wish to remove,

2. A pop up will appear asking for confirmation,
3. Click Delete to complete the action or cancel go back to the CAR management screen without deleting.

Cloning an Existing CAR setup

An existing CAR can be used as a starting point to setup new Pre-Trade risk limits.



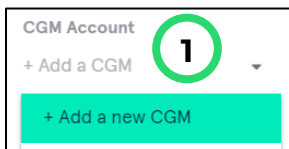
1. Click Clone next to the top row of a CAR in the management screen,
2. A dialogue will open that represents the product enabled and limits of the existing CAR,
3. Enter the NEW CAR name,
4. Update any of the existing fields,
5. Click Save.

CGM Management

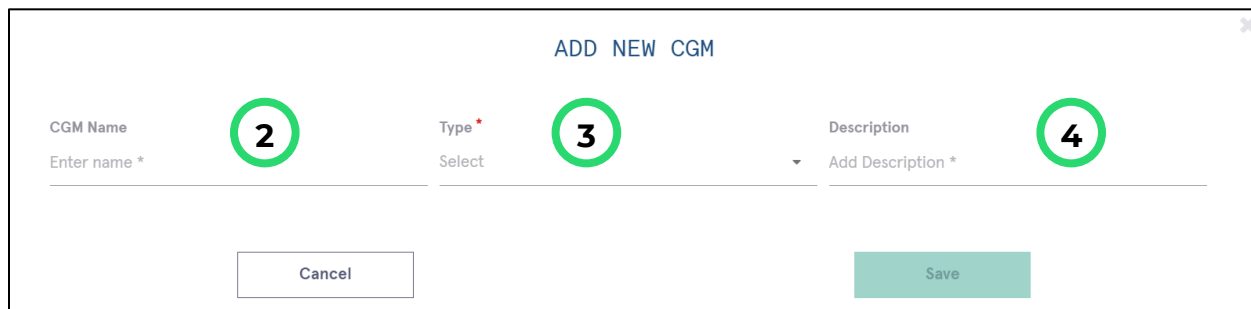
While it is not necessary for FCMs to indicate the CGM (Customer Gross Margin) account for a set of CARs, it is recommended for intraday monitoring of risk. The CGM account type will be used for intraday SPAN calculations.

Creating a new CGM

Create a new CGM can be completed while setting up Pre-trade risk for a CAR (above) or though the CGM Management screen.



1. Click Add new CGM.
2. Set the CGM Name.
3. Select the Type (see type descriptions below).
4. Add an optional description.



CGM Types

CGM Type	Description
----------	-------------

Net CGM	A Net CGM reference will indicate that positions across related CARs can be netted for margining
Gross CGM	A Gross CGM should be used in the case that margin offsets should not be considered.

CGM Management table

Column Name	Description
CGM Code	The CGM name set when it was created
Associated CARs	The CARs that have been associated with the CGM
Type	The CGM account type (described above)
Description	The optional description added when creating the DCGM
Edit	Edit – Allows direct editing of the Type and Description for a CGM. Delete – Removes the created CGM. A popup will display to confirm the user action. Changes must be saved or Dismissed.

Dismiss Save Changes

Treasury

Balance Details

On this page displays a full rundown of an accounts balance information. A snapshot of the treasury balance details page can be seen below with a description of each of the columns.

Column Name	Description
Asset Type	The classification of financial instruments that are held or traded within the clearing account.

Opening	Opening Balance. The initial state of the clearing account at the start of a trading period or settlement cycle.
Spot Movements	Changes in the balance of the clearing account due to spot trades, which involve the immediate purchase or sale of financial instruments.
Ex Fees	Exchanges Fees. Fees charged by the exchange for trade related executions.
CL Fees	Clearing Fees. Fees charged for clearing and settling trades through the clearinghouse.
Other Fees	Any additional fees or charges that may apply to trading or maintaining positions in the clearing account.
Asset Movements	Refers to changes in the balance of the clearing account due to various transactions involving different asset types.
<i>Futures Delivery</i>	<i>For possible future use.</i>
Variation Margin	Total variation margin across all contracts calculated vs the latest settlement cycle price.
Closing	The final state of the clearing account at the end of a trading period or settlement cycle.
Total Equity	The sum of the account's cash balance and the value of all open positions.
Total Excess Deficit	The difference between the total equity and the reserved margin, indicating whether there's excess or a deficit in collateral.
Net Liquidating Value	The account's total value, including both equity and reserved margin.
Ref Price	The price used as a benchmark for valuation or settlement purposes.
Total USD Value	The total value of assets in the clearing account, denominated in US dollars.

Funding

The funding page will provide information related to deposits (view-only data) and withdrawals.

Funding Source

Choose Account

Select Account ▼

Asset Type

Select Asset ▼

Funding Method

Select Funding Method ▼

Dropdown choices	Description
Choose Account	This section will list all available accounts a user has access to. If there is more than one account, please choose the relevant account.
Asset Type	The asset type identifies the type of asset that will be deposited or is requested to be withdrawn. Please note, at this time the asset type will only be USD.
Funding Method	<p>Two options will be provided. Each option will display its own unique required inputs. Screenshots of each section is provided below.</p> <ol style="list-style-type: none"> Wire Deposit Information for Cboe Digital <ul style="list-style-type: none"> Routing/ABA# Account# Recipient Name Recipient Address Recipient Bank Bank Address Reference Code Wire Withdrawal <ul style="list-style-type: none"> Bank Account Amount


Deposit Information

1. Click the funding source dropdown and chose an account.
2. Select the asset type.
3. Chose "Wire Deposit" from the Funding method.

This will display the banking information that can be used to send funds to the clearing account.

Funding Method

Wire Deposit

 **Banking information**

Please send a FED wire or send an ACH using the following information including the Reference code

Routing/ABA # _____

Account # 12345 _____

Recipient Name _____

Recipient Address _____

Recipient Bank bmo _____

Bank Address _____

Reference Code* _____

Withdrawal Requests

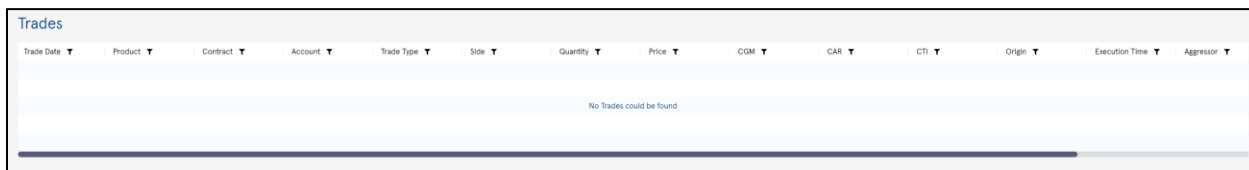
1. Click the funding source dropdown and chose an account,
2. Select the asset type,
3. Chose “Wire Withdrawal” from the Funding method,
4. Chose the destination Bank Account to where you wish to withdraw the fund,
 - a. The bank account will be setup by the Cboe Clear Digital Treasury team during onboarding,
 - b. New SSI (Standard Settlement Instructions) should be communicated to the Treasury team when needed,
5. Enter the Amount of the withdrawal request,
6. Click Withdraw.

The withdrawal request will be sent to the Cboe Clear Digital Treasury team for approval.

Trades

Users are able to see trade activity for the accounts they have access to.

All the columns are sortable and searchable. A snapshot of the trades page can be seen below with a description of each of the columns.



Column Name	Description
Trade Date	Date the trade was initiated.
Product	The underlying cryptocurrency trading symbol where: BTC – Bitcoin ETH – Ethereum
Contract	Combination of product Code, Expiry Month and Expiry Year [PPPMYY]. For example, BTCU23
Account	Clearing member account for which the positions apply
Trade Type	Trade type: REGULAR, BLOCK, DELIVERY, REVERSAL, REPLACE, POSITION_TRANSFER
Side	Indicates whether the trade is a buy (long) or sell (short) transaction.
Quantity	The number of units or contracts of the traded product involved in the transaction.
Price	The price at which the trade was executed.
CGM	The CGM provided by the FCM either; via a trade, related to a CAR account or provided during CGM processing.

	NAKED – A position in the FCMs clearing account with no CGM value
CAR	This is the customer Account number on the FCMs books and records. For example, and individual or trading desk within a firm.
CTI	An indicator that specifies the type of customer or entity initiating the trade.
Origin	The source or origin of the trade, which could refer to the trading platform, broker, or other relevant source.
Execution Time	Date and time the trade is executed. The timestamp would be in
Aggressor	The aggressor is the party in a trade who initiates the transaction and takes the active role in determining the trade's price and execution.
Submitter	The submitter, also known as the passive side or resting order, is the party that submits an order to the market without actively seeking execution.
Trade ID	A unique identifier assigned to the trade for tracking and reference purposes.

Position Adjustments

Note: *The Position Adjustments screen will be editable after 4:30pm Central Time until 8:00am the following day. Any manual adjustments made after 7:30 pm will be part of the morning adjustments.*

The notion of the position adjustment page should be a manual version of the PCS file process. User will have the ability to enter long or short information within the UI that can be used to replace the latest PCS submission for a given contract.

Note: Positions not associated with a CGM are grouped together in their own row and classified as NAKED.

Account	CGM	Product Code	Contract Code	Expiry Date	EOD Long	EOD Short	Adj EOD Long	Adj EOD Short	Desired Long	Final EOD Long	Final EOD Short	Edit
No Balances to show												

At the end of the row for a given contract, the user will have the ability to enter the net positions for the given row as either “Desired Long” or “Desired Short.”

The following steps should be completed to make position adjustments:

1. Only one of the two numbers need to be entered.
2. If both numbers (“Desired Long”, “Desired Short”) are entered, calculation must be performed to make sure it is a valid entry. Meaning the difference between the netted down positions must be the same as the difference between the gross positions.
3. Upper bound for longs = Gross longs – 0
4. Lower bound for long = Gross longs - Gross Shorts

In the event that a PCS file and a UI adjustment are both entered for a given contract/CGM combination, whatever happens last wins.

Example: UI update made at 2pm for contract a cgm123. PCS file submitted at 5pm for same contract. The PCS file update is what gets implemented.

Description of columns in the Position Adjustments screen

Column Name	Description
Account	Clearing member account for which the positions apply
CGM	Described above.
Product Code	The underlying cryptocurrency trading symbol where: BTC – Bitcoin ETH – Ethereum
Contract Code	Combination of product Code, Expiry Month and Expiry Year [PPPMYY]. For example, BTCU23
Expiry Date	Expiration date of the contract.
EOD Long	End of day Gross long Positions.
EOD Short	End of day Gross Short Positions.
Adj EOD Long	EOD Long + any already completed adjustments. i.e. PCS file processing.
Adj EOD Short	EOD Short + any already completed adjustments. i.e. PCS file processing.
Desired Long	A number entered that is the desired number of long positions.
Final EOD Long	End result after submitting a Desired Long.
Final EOD Short	End result after submitting a Desired Shor
Edit	The positions can be adjusted.

Additional Information

Should you have any questions regarding the Client Member Portal, please email Digital.clientservice@cboe.com.
