CME Group | Advisory Notice

TO:	Clearing Member Firms; CME CORE Users; CORE API Users; PC SPAN Users
FROM:	CME Clearing
ADVISORY #:	25-057
DATE:	February 11, 2025
SUBJECT:	Please read: Mandatory Update Required for CORE API Service Users

CME is pleased to announce enhancements to CME CORE API, CME's interactive margin calculator tool. Changes require users to take action on or before **February 28, 2025** in the test environment and on or before **March 28, 2025** in the production environment to mitigate service disruptions. All enhancements can be tested from **February 13** in the test environment and are described below in more detail.

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Enhancements to CME CORE API Service

URL Updates - All Environments

The CORE API URLs are changing for all users in both the Test and Production environments to align to CME's broader set of API endpoints. Users will have until **February 28** to comply with these changes in the test environment and until **March 28** to comply with these changes in the Production environment. Users can cut over to the new URLs in production any time between February 24 and March 28. Users who do not comply with these changes will experience a disruption in service following March 28. The old and new URLs are listed below for both environments.

Test Environment URLs:

Function	Old Test Environment URL	New Test Environment URL
Margins	https://cmecorenr.cmegroup.com/MarginServiceApi/margins	https://posttrade.api.uat.cmegroup.com/MarginServiceApi/margins

Transactions	https://cmecorenr.cmegroup.com/MarginServiceApi/transactions	https://posttrade.api.uat.cmegroup.com/MarginServiceApi/transactions
Portfolios	https://cmecorenr.cmegroup.com/MarginServiceApi/portfolios	https://posttrade.api.uat.cmegroup.com/MarginServiceApi/portfolios
Optimize	https://cmecorenr.cmegroup.com/MarginServiceApi/optimize	https://posttrade.api.uat.cmegroup.com/MarginServiceApi/optimize
All In One	https://cmecorenr.cmegroup.com/MarginServiceApi/margins?complete=true	https://posttrade.api.uat.cmegroup.com/MarginServiceApi/margins?complete=true

Production Environment URLs:

Function	Old Production Environment URL	New Production Environment URL
Margins	https://cmecore.cmegroup.com/MarginServiceApi/margins	https://posttrade.api.cmegroup.com/MarginServiceApi/margins
Transactions	https://cmecore.cmegroup.com/MarginServiceApi/transactions	https://posttrade.api.cmegroup.com/MarginServiceApi/transactions
Portfolios	https://cmecore.cmegroup.com/MarginServiceApi/portfolios	https://posttrade.api.cmegroup.com/MarginServiceApi/portfolios
Optimize	https://cmecore.cmegroup.com/MarginServiceApi/optimize	https://posttrade.api.cmegroup.com/MarginServiceApi/optimize
All In One	https://cmecore.cmegroup.com/MarginServiceApi/margins?complete=true	https://posttrade.api.cmegroup.com/MarginServiceApi/margins?complete=true

Basic Authorization Method Updates - All Environments

To improve authentication security, all users will be required to alter the way they submit usernames and passwords as part of the "Basic Auth" method of connecting to the API in both the test and production environments. As described here users were previously allowed to submit requests which included username and password in the API request header directly. After **February 28** in the test environment and **March 28** in the production environment, users will instead be required to provide a more secure form of authorization, which is described below.

Margin Service API - Authentication and Entitlement

Old Authentication	New Authentication
- To initiate a session with CORE's API, the client must make a request passing in the username and password parameters within the HTTP request headers. These credentials must be a valid CME Group Login or API ID. Upon successful login, the Margin Service API will return a session ID in the sessionId HTTP response header. **Steps to send a request from Postman (application often used when testing connections).** - The user sends username and password in the headers for authentication.	- To initiate a session with CORE's API, the client must make a request passing in the Authorization parameter within the HTTP request headers. These credentials must be a valid CME Group base64 encoded API ID. Upon successful login, the Margin Service API will return a session ID in the sessionId HTTP response header. See **Java** and **Python** examples in the online documentation here. **Steps to send a request from Postman** - Instead of username and password in the headers, in the "Authorization" tab, select "Basic Auth", and add username and password. This will add the Authorization token with the encoded value in headers automatically. **Note**: **Content-Type** headers **should not** be passed for any **GET** API calls.

Useful CME CORE API Resources

Getting Started with CME CORE API

The CME CORE API is designed to give programmatic users direct access to CME Clearing initial margin engines via a simple and secure REST API.

An API license and a user-defined CME Login API ID are required to access the CORE API.

Steps to gaining access to CME CORE API:

1. Contact the client services team at posttradeservices@cmegroup.com to request the API license.
2. Return executed CORE API Service License Agreement to CME.
3. Once the license is complete, the Post trade services team will provide details on accessing the API test environment.
4. Create your API ID:
   a. Log into CME Tools and Services: https://login.cmegroup.com/.
      i. Either use an existing CME Login ID or create a new one.
      ii. If you use an existing CME Login ID, do not use one with access to the Margin API today.
   b. Go to your User ID - My Profile (top header).
   c. Select API Management Tab.
   d. Select Create API ID.
      i. Enter new ID beginning with "API_" and follow prompts to create and claim new API ID.
5. Certification is required with the post trade services team to integrate with the CORE API production environment.

Links
- CME CORE API documentation landing page including latest schema:
  https://www.cmegroup.com/confluence/display/EPICSANDBOX/Margin+Service+API.

Contacts
For more information, please contact CME Clearing at PostTradeServices@cmegroup.com or via phone at Chicago (312) 207 2525 | London (44) 203 379 3198 | Singapore (65) 6593 5591