



CBOE Trade Match (CTM-I)

Broker User's Guide

Version 2.0

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Change Notices

The following change notices are provided to assist users of the CBOE Trade Match system in determining the impact of changes to their processing.

If you have any questions or review comments about this document, please contact Odalys Castro at (312) 786-8817. For help with the CTMI (Trade Match) system, contact David Glover at (312) 786-7957.

Date	Version	Description of Change
3/16/11	2.0	New Trade Checking Query user interface Updated CBOE logo
3/25/10	1.0	New document

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Introduction

Purpose This user guide was written to assist Brokers in utilizing the CBOE Trade Match (CTM) features using a web browser.

The CTM system combines the basic functions of the Intra-day Trade Processing (ITP) and Real Time Trade Communication (RTC) systems.

Intended Audience This user guide is intended for Brokers, associated with CBOE Options Member Firms, interested in the Trade Match administrator and data entry functions.

Window Settings The recommended resolution to view CTM windows is 1280 x 1024 pixels. If your desktop display is set to a lower resolution, you will have to use the scroll bar to view CTM windows in their entirety.

CTMI functionality is designed to work with Internet Explorer Version 6.x or greater. Using a different browser or version may have unpredictable results.

Note About Displayed Screens An attempt is made to show the current look and format of screens that are included in this document. However, the displays here may not reflect recent changes to these browser screens. Also, information displayed on the screens may not reflect true production data.

Conventions Used in this Guide The CBOE Trade Match system was designed so that you can perform all of your administrative functions from a web browser. All web browser functionality applies to the CTM system.

Section 1 of the document illustrates how to perform the necessary Broker functions. Additional information about window configuration and sizing can be found in Section 2: Reference Guide.

There are conventions used throughout this guide to help trigger important information:


Bolding Used to highlight menu selections (e.g., **Login**) and button names (e.g., **Update**)

📌 **Note:** This notation is used to indicate important information you should note when performing the associated function.



Section 1: CBOE Trade Match

This section of the user guide will direct you through all the Broker functions of CBOE's Continuous Trade Match system using a web browser.

 **Note:** On most screens, if there is only one action button, pressing the **Enter** key on your keyboard will accomplish the same process as clicking a highlighted button with the mouse.

Getting Started

To launch the CTM application, open an Internet browser window and enter **URL:** <https://tradematch.cboe.com>. The following login window will display.

Functionality Restrictions

Functionality restrictions apply based on your User ID, Password and Role.

Login

Enter your User ID and Password. Neither User ID nor Password is case sensitive. If you are setup to use RSA token, in the Password field, type in your password followed by your RSA token value. Do not enter a space between the password and token value.

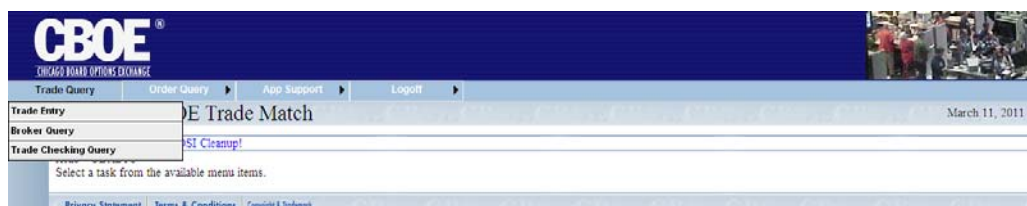
Click **Login**.

The CTM **Welcome** window will display the **Trade Query**, **Order Query**, **App Support** and **Logoff** tabs.

You are now ready to perform CTM functions.

Trade Query

From the Trade Query tab, you can enter trades into the system and query trade messages by broker group. Click on the **Trade Query** tab to display the sub-menus for these functions.



Functionality Restrictions

Broker role: allowed to query trades, enter trades, correct trades and allocate trades.

Trade Entry

This **Trade Entry** window is used to enter trades directly into Trade Match without coming from another data input system. As a Broker, you are allowed to enter trades for any executing firms in your Broker Group, who have allowed Add privileges.

To open the Trade Entry window, click **Trade Query** and then select **Trade Entry**.

Trade Query
Trade Entry
Broker Query
Trade Checking Query


Enter a Trade

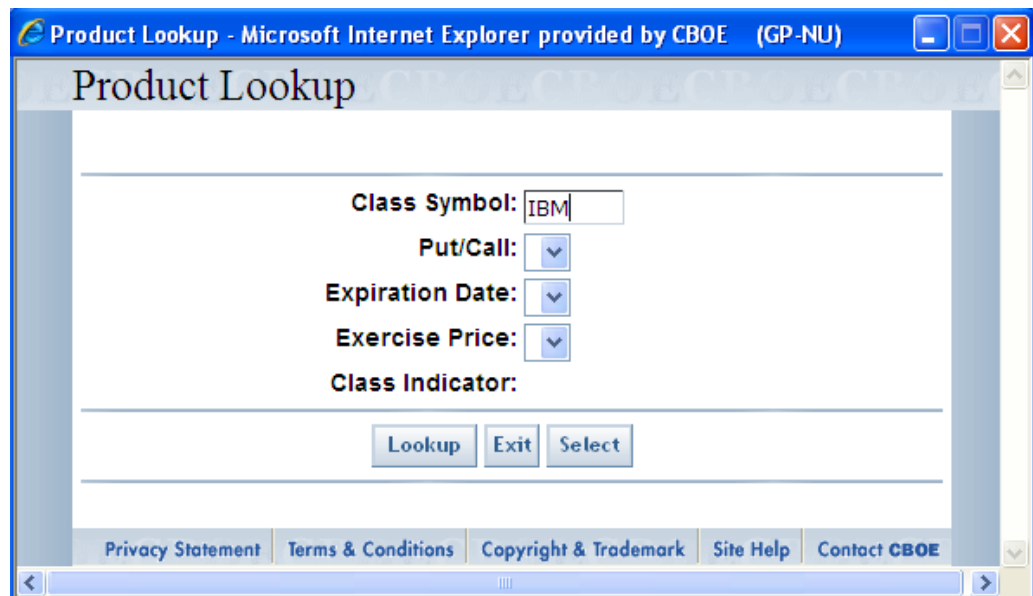
- Select the Firm number from the dropdown list.
- Click on the **As of Date** text box and a calendar will display. Alternately, you may type in the **As of** (trade) date in format **mm/dd/yyyy** (03/11/2011).

?	March, 2011							x
<<	<	Today					>	>>
wk	Sun	Mon	Tue	Wed	Thu	Fri	Sat	
8			1	2	3	4	5	
9	6	7	8	9	10	11	12	
10	13	14	15	16	17	18	19	
11	20	21	22	23	24	25	26	
12	27	28	29	30	31			
Select date								

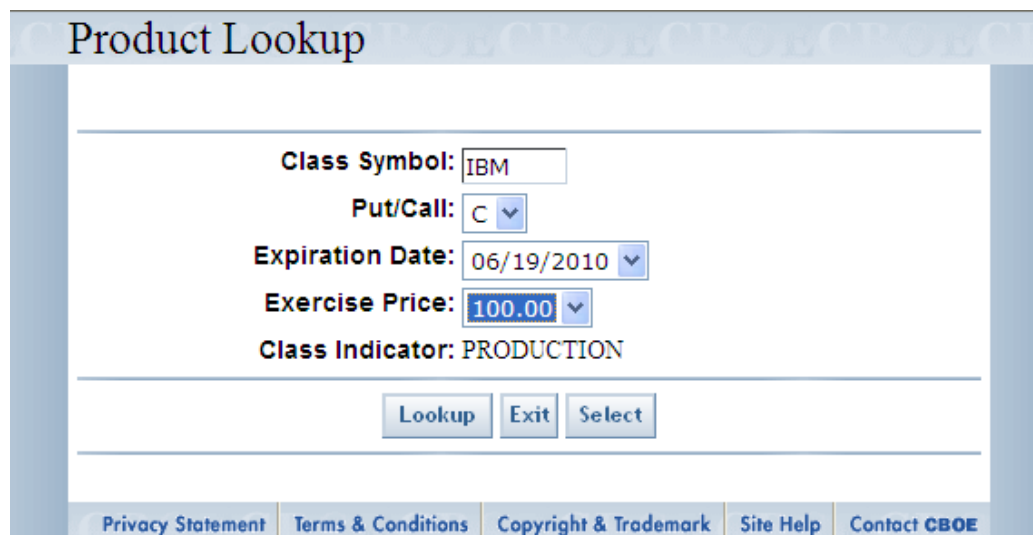
- Select the **As of** date you wish to use. If this field is left blank, the data will default to the current day.
- Key in the required trade information. Required fields include: Put/Call, Buy/Sell, Execution Time, Class, Expiration Day (MMDDYYYY), Exercise Price, Premium Price, Open/Close, Origin, Opposite Firm (Opp Firm) and Opposite Broker (Opp Brkr).

🔗 **Note:** The calendar will display when you click on the Expiration Day field.

You can predefine the trade entry product information by clicking  . The Product Lookup window will display.




Enter the **Class Symbol** and click **Lookup**.



The window display choices for Put/Call, Expiration Date and Exercise Price. Make your product selections from the drop down lists. The Class Indicator defaults to **Production**.

Click **Exit** to close the Product Lookup window.


Click **Select** to copy your selection to the Trade Entry window.

Click  to duplicate trade data from previous line. This will not copy quantity, opposite firm and opposite broker.

Click **Save Changes**. The trades are entered in the system.

The **Override** button will appear if there are 'soft' field errors. 'Hard' errors must be fixed. There are invalid Class, invalid Executing Firm and invalid Opposite Firm.

Trades that contain edit errors are returned to the screen with the error fields highlighted. These erroneous trades may either be corrected or reentered, or their rejection may be overridden. An invalid OPPOSITE BROKER can be overridden by clicking **Override**. This will not work for all field errors. The trade will have a status of Error.

 **Note:** This should only be used to force in a trade if the user plans to go back later and correct the fields in error.

All valid trades should have been added and will not be re-displayed at this point. A message will show the number of trades that were added.

Broker Query

The CTM broker query functionality allows you to display trade information based on the filters you provide. Based on your Broker profile, trades will display that match on Executing Broker or Correspondent Firm, for a given authorized Executing Firm. To display the Broker Query window, click on the **Trade Query** tab and then select **Broker Query**. The following window will display.

Trade Query
Trade Entry
Broker Query
Trade Checking Query

Query Options Trade Data

CTM trade data is queried by using combinations of the fields in the Broker Query window. Below is a description of each field. Fields that have astericks (**) are used for exact match search criteria.

- Firm Number**: refers to the executing Firm's (EXEC Firm) number. The Firm number is selected from the drop down list.
- Class Symbol**: this is a text field and allows you to enter the class symbol you wish to query (i.e. IBM).
- Put/Call**: refers to the type of option. You can elect to query by Call, Put or Both by making your selection from the dropdown list. The default is Both.
- Expiration Date: this is a text field that allows you to enter the date the security will expire. The allowable format is (MMDDYYYY), or click on the field to display the calendar option.
- Exercise Price: allows you to enter the expiration price of the security. The allowable format is: 42.444 (three decimal places).
- Premium: this is a text field that can be used to enter the premium price of the security. The allowable format is: 72.65.
- Records to retrieve: you can select the number of data rows to display on the window from this dropdown list. The default is 100 rows.
- Transaction Number: trade identification number
- CMTA**: Clearing Member Trade Agreement provides non-member firms (who have clearing numbers with the OCC) a way to trade at the Exchange through member firms who contractually agree to submit trades for them.

👉 **Note:** Enter '*' in the CMTA field to query trades with no CMTA.


- Executing Broker**: the acronym of the broker executing the trade.
- ORSID: identification number from the ORS system.
- MM Account**: allows you to query trades by Market Maker Account.
- Status**: allows you to query by matched or unmatched trades, trades with errors

or all trades. Make your selection from the dropdown list.

- **Origin****: account type that identifies the type of trade origin. E.g. customer, firm, market maker, etc. Make your selection from the dropdown list.
- **Input Type****: the system where the trade was entered.
- **Trade Date**: to choose the current business day for your query, click **Today**. To display all trades previous to the current business day, click **As of**. If neither radio button is selected, both current and As of trades are retrieved.

In the Options example above, the data request is filtered based on Firm **501** for both **Puts/Calls** for all trades for the current business day. The **Status**, **Origin** and **Input Types** are set to All. The query will display up to 100 records per window.

Click **Search**. Your query will display.

 **Note**: Some trades returned to the screen may have data errors. Errors by trade will be given in a box in the upper left part of the screen. For details, *refer to the Data Errors section, page 16*.

Broker Query March 11, 2011

Broker Group ID: MEB1

Firm Number*: Records to retrieve: Trades found for query: 2 Page: 1

Class Symbol*: Transaction Number: Status*:

Put/Call*: CMTA*: Origin*:

Expiration Date: Executing Broker*: Input Type*:

Exercise Price: ORSID*: Trade Date: ☐ Today ☐ As Of

Premium: MMAcct*:

2 items found, displaying all items.

#	Alloc	Upd	Trans Number	Firm	Bkr	Qty	Class	P	Exp Date	Exer Price	Prem Price	O	Opp Firm	Opp Bkr	CMTA	Org Ind	MM Act	Time Exec	Optional Data	ORSID	Imp Typ	Trade Date	Cust ID
1	Alloc		U 1000004	551	BRK	B	200	SPX	C	03/19/11	525.0	50.00	O	161	NNH	C		12:30:45 new trade1	ABC999	T	03/11/11		
2	Alloc		U 1000005	551	BRK	B	300	SPX	P	06/18/11	750.0	65.00	O	552	ZZZ	C		12:30:45 new trade2	ABC999	T	03/11/11		


Export To: [CSV](#) [Excel](#) [XML](#)

Trades found for query shows the count of all stored trades that satisfy the query. However, the window only displays up to the number selected by the **Records to retrieve** drop-down list.

To view additional trades, click **Next Trades**.

Click **Search** at anytime to refresh the window for the current query.

To view trades that were earlier displayed, click **Previous Trades**.

Data columns that display the up/down arrows  can be sorted. Click on the column name to perform an ascending or descending sort. This only sorts data last retrieved into the current screen.

Clicking on the **Export To** links on the bottom of the page will fill a form with data from the screen in the selected format. For instructions on exporting CTM data to CSV, Excel or XML format, refer to the section *Customize and Export CTM Windows, page 27*.

Options Trade Correction

Based on your permissions setup, you can make corrections to trade data by selecting the **Upd** (Update) checkbox for a particular data row. To select multiple trades for correction, select the **Upd** (Update) checkbox for each data row to correct.

If 200 or fewer trades are returned from a query, **Select All** and **Clear All** buttons are enabled.

- Click **Select All** to choose all the **Upd** (Update) checkboxes.
- Click **Clear All** to deselect all the **Upd** (Update) checkboxes.

↳ **Note:** Data errors will be shown in a box at the top of the screen. Partial trade corrections are allowed but won't match and clear. For details, refer to the *Data Errors section, page 16*.

Click the **Update Trades** button at the bottom of the screen. The Trade Correction window will display.

Transaction Number, Trade Date, Status and Execution Time cannot be changed.

↳ **Note:** The Execution Time can only be changed for terminal entered trades ("T") or batch trades ("B").

- Click **Refresh** at anytime to bring back original values for the displayed trade.
- Make corrections to the desired fields. Click **Save Changes**. The corrections will be saved in the system.
- Clicking **Override** allows you to update the trades in the CTM system with invalid or missing fields.

↳ **Note:** If you selected multiple trades for correction from the Broker Query window, the next trade will automatically display. If you wish to skip the trade without making corrections, click **Skip Trade**.

- If you wish to delete the trade displayed for corrections, click **Delete**. The trade will be removed from the system.

↳ **Note:** The Delete button only appears if permissions have been setup this way for the Broker Group.

- Click **Return to Broker Query** link to exit the Trade Correction window.

The Bulk Update feature on the Broker Query window allows you to apply the same corrections to multiple trades at one time.

Broker Group ID: MEB1

Firm Number: 551 Records to retrieve: 100 Trades found for query: 2 Page: 1

Class Symbol: Transaction Number: Status: All
 Put/Call: Both CMTA: Origin: All
 Expiration Date: Executing Broker: Input Type: All
 Exercise Price: ORSID: Trade Date: Today As Of
 Premium: MMAcct: Search

#	Alloc	Upd	S	Trans Number	Firm	Bkr	B	S	Qty	Class	P	C	Exp Date	Exer Price	Prem Price	O	C	Opp Firm	Opp Bkr	CMTA	Ord Ind	MM Act	Time Exec	Optional Data	ORSID	Inp Typ	Trade Date	Cust ID
1	Alloc	<input checked="" type="checkbox"/>	U	1000004	551	BRK	B		200	SPX	C		03/19/11	525.0	50.00	O		161	XXH		C		12:30:45	new trade1	ABC999	T	03/11/11	
2	Alloc	<input checked="" type="checkbox"/>	U	1000005	551	BRK	B		300	SPX	P		06/18/11	750.0	65.00	O		552	ZZZ		C		12:30:45	new trade2	ABC999	T	03/11/11	

Export To: [CSV](#) [Excel](#) [XML](#)

Select All Clear All Update Trades Bulk Update

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- Click the **Select All** button or select the **Upd** checkboxes of the trades you wish to correct.
- Click **Bulk Update**. The following window will display.

Bulk Update March 11, 2011

Firm: 551 Trades selected: 2

Warning: Changes will apply to all trades selected. ENTIRE CONTENTS OF OPTIONAL DATA WILL BE REPLACED IF MODIFIED.

Set	CMTA	Set	Open / Close	Set	Origin	Set	MM Acct	Set	Optional Data																Set	Customer ID
>	>	>	>	>	>	>	>	>	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	new trade1																<input type="checkbox"/>	
Displayed Optional Data is from 1st trade record selected.																										
Update																										

[Return to Broker Query](#)

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Corrections that you make on the **Bulk Update** screen will apply to the trades you selected on the **Broker Query** screen. Depending on Broker Group permissions, modifiable fields include: CMTA, Open/Close, Origin, MM Acct, Executing Firm and Optional Data.

- A checkbox must be selected for each field to be edited. If you decide not to edit the field, deselect the checkbox.
- The CMTA and MM Acct fields have special checkboxes that indicate those fields will be blanked out on the trades.
- The Optional Data field remains as 16 characters. The field has been split into 16 separate text boxes to help you enter data in specific columns; any columns left empty will be filled with blank spaces. Changing even one column in Optional Data will cause the entire 16 character field to be replaced in all trades selected. There are no partial field updates.

- Click **Update** to enter your changes. The system will display a message text box showing how many successful and unsuccessful updates there were for the selected trades. For any unsuccessful updates another message box will identify those trades and the problem with each of them.

Bulk Update March 11, 2011

Firm: Trades selected: 2

Warning: Changes will apply to all trades selected. ENTIRE CONTENTS OF OPTIONAL DATA WILL BE REPLACED IF MODIFIED.

Set	CMTA	Set	Open / Close	Set	Origin	Set	MM Acct	Set	Optional Data																Set	Customer ID
>	>	>	>	>	>	>	>	>	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	>	>
<input type="checkbox"/>		<input checked="" type="checkbox"/>	Open	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>																	<input type="checkbox"/>	
<input type="checkbox"/> Blank out all CMTAs <input type="checkbox"/> Blank out all MM Accts <input type="checkbox"/> Blank out all Customer IDs																										
Displayed Optional Data is from 1st trade record selected.																										
<input type="button" value="Update"/>																										
Return to Broker Query																										

You can return to the Broker Query window at any time by clicking, **Return to Broker Query**.

Options Trade Allocation

The allocation window allows you to split a contract quantity on a previously entered trade between two or more CMTA Firms. From the **Broker Query** window, click the **Allocation** link in the **Action** column. The following window will display.

- Note:** If a trade quantity equals 1, the allocation will not be displayed. Instead, go to Trade Correction to identify a CMTA Firm.
- Note:** Data errors will be shown in a box at the top of the screen. For details, *refer to the Data Errors section, page 16.*

Trade Allocation March 11, 2011

Firm: 551		Trans Number: I000004		Trade Date: 110311		Buy/Sell: B	
Status: U		Class: SPX		Exec Brk: BRK		Origin: C	
Expiration Date: 03/19/11		Exercise Price: 00525.0		Premium Price: 0050.00		MM Acct:	
Execution Time: 123045		CMTA Firm:		Open/Close: 0		Customer ID:	
Original Qty: 200		Remaining Qty: 200		Optional Data: new trade1			

Ex Firm	CMTA Firm	Quantity	Open Close	Origin	Optional Data	Customer ID	MM Acct
551			Open	C - Customer	new trade1		
551			Open	C - Customer	new trade1		
551			Open	C - Customer	new trade1		
551			Open	C - Customer	new trade1		
551			Open	C - Customer	new trade1		
551			Open	C - Customer	new trade1		
551			Open	C - Customer	new trade1		
551			Open	C - Customer	new trade1		
551			Open	C - Customer	new trade1		
551			Open	C - Customer	new trade1		

[Return to Broker Query](#)

All allocations will initially default to the Open/Close, Origin, and Optional Data values of the original trade. The editable allocation fields depend on the Broker Group setup.

- Enter the CMTA Firm number.
- Enter the quantity you want to allocate to the CMTA Firm. The entire original trade

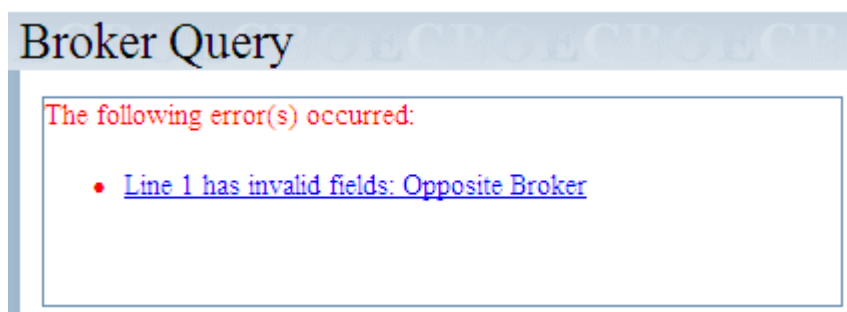
quantity must be allocated.

- Select Open or Close from the drop down list. You may leave this blank, which is treated like Open.
- You can click **Refresh** at anytime to clear the data you have entered.
- Click **Save Changes**. The trade quantity will be allocated to the chosen CMTA Firms.
- If at anytime you wish to return to the Trade Query window, click **Return to Broker Query**.

🔗 **Note:** Options trades can be allocated even if the original trade has errors.

Data Errors

Data errors for Broker Query windows will be shown in a box at the top of the window. The error box lists all the corrections that need to be made to the identified trade. Partial trade corrections are allowed but won't match and clear. All errors must be corrected before a trade can be matched.



Click on the link for a particular error (i.e. **Line 1 has invalid fields: Opposite Broker**). The system will bring you to the selected line in the query. In this example, the Executing Broker field needs to be corrected for the first four errors.

Trade Checking Query

The CTM trade checking query allows you to display trade information for your Broker group. To display the Trade Checking Query window, click on the **Trade Query** tab and then select **Trade Checking Query**. The following window will display.

Trade Query
Trade Entry
Broker Query
Trade Checking Query

The screenshot shows the "Trade Checking Query" window. At the top, there are navigation tabs: "Trade Query", "Order Query", "App Support", and "Logout". The date "March 11, 2011" is displayed in the top right. Below the tabs, the "Authorization" field is set to "Broker Group MEB". The "Firm Number" dropdown is set to "All". The "Records to retrieve" is set to "1000". The "Trades found for query" is "0". The "Page" is "0". The "Class Symbol" field is empty. The "Put/Call" dropdown is set to "Both". The "Expiration Date" and "Exercise Price" fields are empty. A "Search" button is located below the filters. At the bottom, there are links for "Privacy Statement", "Terms & Conditions", and "Copyright & Trademark".

The Authorization field defaults to your Broker Group. You can filter your query by **Firm Number**, **Class Symbol**, **Put/Call**, **Expiration Date** or **Exercise Price**. The query will display up to 1000 records per window.

The above filter is set to query for all Firm numbers in the Broker group and for both puts and calls. Click **Search**. The following window will display.

Trade Checking Query March 15, 2011

Authorization: Broker Group MEB1


Firm Number*: Records to retrieve: Trades found for query: 12 Page: 1

Class Symbol*: Put/Call*: Expiration Date*: Exercise Price:

Add	#	Alloc	Upd	U	Exec Firm	Opp Firm	Exec Bkr	Opp Bkr	Buy Qty	Sell Qty	Prem	P	C	Class	Exp Date	Exer Price	Acct	C	Org	MMX	Trade Date	Trans Nbr
<input checked="" type="checkbox"/>	1				U	551	695	MMM	NNH	75	35.00	C	GOOG	01/21/12	390.0		C	F	14:30:30	03/11/11	1000008	
<input type="checkbox"/>	2				U	551	695	MMM	NNH	100	35.00	C	GOOG	01/21/12	390.0		C	F	14:30:30	03/11/11	1000009	
<input type="checkbox"/>	3				U	551	695	MMM	NNH	125	35.00	C	GOOG	01/21/12	390.0		C	F	14:30:30	03/11/11	1000010	
<input type="checkbox"/>	4				U	551	695	MMM	NNH	200	35.00	C	GOOG	01/21/12	390.0		C	F	14:30:30	03/11/11	1000011	
<input type="checkbox"/>	5				U	501	549	ABC	NNH	100	4.95	C	K	01/21/12	55.0		O	C	08:45:00	03/11/11	1000001	
<input type="checkbox"/>	6				U	501	005	BRK	MMM	300	4.95	C	K	01/21/12	55.0		O	C	08:45:00	03/11/11	1000003	
<input type="checkbox"/>	7				U	551	501	ABC	BRO	400	1.15	C	MOT	01/21/12	12.4		O	F	12:30:45	03/11/11	1000006	
<input type="checkbox"/>	8				U	501	161	ABC	ZZZ	150	4.70	C	QQQQ	03/31/11	49.0		O	B	08:45:00	03/11/11	1000002	
<input type="checkbox"/>	9	Alloc			U	551	161	BRK	NNH	200	50.00	C	SPX	03/19/11	525.0		O	C	12:30:45	03/11/11	1000004	
<input type="checkbox"/>	10	Alloc			U	551	552	BRK	ZZZ	300	65.00	P	SPX	06/18/11	750.0		O	C	12:30:45	03/11/11	1000005	
<input type="checkbox"/>	11	Alloc			U	551	549	BRK	NNH	200	4.75	C	K	01/21/12	55.0		O	C	08:45:30	03/15/11	1000001	
<input type="checkbox"/>	12	Alloc			U	551	161	BRK	ZZZ	250	5.10	C	K	01/21/12	55.0		O	C	08:45:32	03/15/11	1000002	

Trades found for query shows the count of all stored trades that satisfy the query. However, the window only displays up to the number selected by the **Records to retrieve** drop-down list.

Click **Search** at anytime to refresh the window for the current query.

Data columns that display the up/down arrows  can be sorted. Click on the column name to perform an ascending or descending sort. This only sorts data last retrieved into the current screen.

Add Opposite Side of Trade

The trade checking query window allows you to add the opposite side of a trade on a previously entered trade. From the **Trade Checking Query** window, click the checkbox in the **Add** column. The following window will display.

Trade Checking Add March 15

Broker Group ID: MEB1

Firm:

As of Date (blank = today):

Dup	Buy Sell	Exec Bkr	Qty	Put Call	Class	Look Up	Expiration Day (MM/DD/YYYY)	Exp P Dol	Exp P Frc	PPC Dol	PPC Frc	O	C	Origin	Opp Bkr	Opp Firm	CMTA	MM Acct	Exec Time	Opti Data	C
	Sell	XXX	75	Call	GOOG		01/21/2012	00390	00	0035	00			C - Customer	MMM	551			14:30:30		
<input checked="" type="checkbox"/>	Buy	XXX	75	Call	GOOG		01/21/2012	390	00	0035	00			C - Customer							
<input type="checkbox"/>	Buy			Call										C - Customer							
<input type="checkbox"/>	Buy			Call										C - Customer							
<input type="checkbox"/>	Buy			Call										C - Customer							
<input type="checkbox"/>	Buy			Call										C - Customer							
<input type="checkbox"/>	Buy			Call										C - Customer							
<input type="checkbox"/>	Buy			Call										C - Customer							
<input type="checkbox"/>	Buy			Call										C - Customer							
<input type="checkbox"/>	Buy			Call										C - Customer							
<input type="checkbox"/>	Buy			Call										C - Customer							


[Return to Tr](#)


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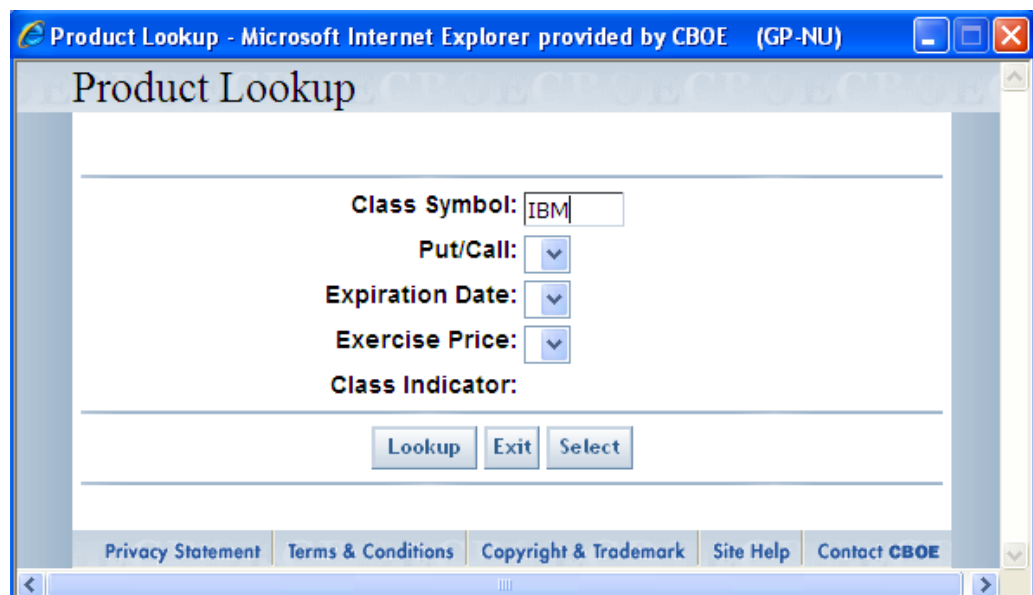
The original trade displays on the top row.

- Select the Firm number from the dropdown list.
- Click on the **As of Date** text box and a calendar will display. Alternately, you may

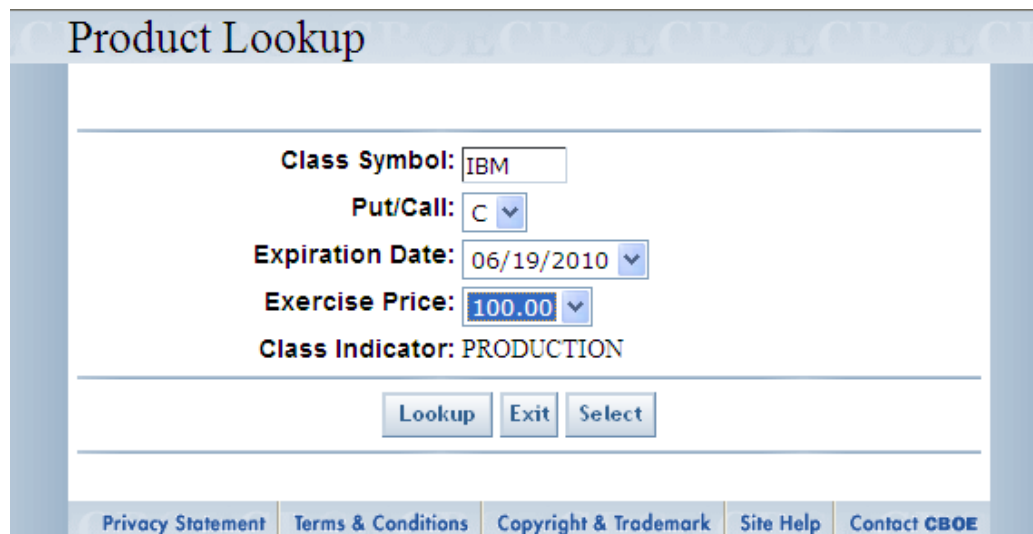
type in the **Asof** (trade) date in format **mm/dd/yyyy** (03/11/2011).

- To enter the opposite side of the trade:
 - Click  to duplicate trade data from previous line. This will not copy quantity, opposite firm and opposite broker.
 - Or, key in the required trade information. Required fields include: Exec Broker, Quantity, Put/Call, Buy/Sell, Execution Time, Class, Expiration Day (MMDDYYYY), Exercise Price, Premium Price, Open/Close, Origin, Opposite Firm (Opp Firm) and Opposite Broker (Opp Brkr).

You can predefine the trade entry product information by clicking . The Product Lookup window will display.

A screenshot of a web browser window titled "Product Lookup - Microsoft Internet Explorer provided by CBOE (GP-NU)". The main content area is titled "Product Lookup" and contains a form with the following fields: "Class Symbol:" with a text input containing "IBM", "Put/Call:" with a dropdown menu, "Expiration Date:" with a dropdown menu, "Exercise Price:" with a dropdown menu, and "Class Indicator:" with a text input. Below these fields are three buttons: "Lookup", "Exit", and "Select". At the bottom of the window, there is a navigation bar with links: "Privacy Statement", "Terms & Conditions", "Copyright & Trademark", "Site Help", and "Contact CBOE".

Enter the **Class Symbol** and click **Lookup**.

A screenshot of the "Product Lookup" window after a lookup operation. The "Class Symbol" field still contains "IBM". The "Put/Call" dropdown now shows "C". The "Expiration Date" dropdown shows "06/19/2010". The "Exercise Price" dropdown shows "100.00". The "Class Indicator" field now contains "PRODUCTION". The "Lookup", "Exit", and "Select" buttons remain at the bottom of the form area. The navigation bar at the bottom is the same as in the previous screenshot.

The window display choices for Put/Call, Expiration Date and Exercise Price. Make your product selections from the drop down lists. The Class Indicator defaults to **Production**.

Click **Exit** to close the Product Lookup window.

Click **Select** to copy your selection to the Trade Checking Add window.

From the Trade Checking Add window, click **Save Changes**. The opposite trades are entered in the system.

Based on your permissions setup, you can make corrections to trade data from the Trade Checking Query window. For trade correction instructions, refer to the *Options Trade Correction* section above.

The allocation window allows you to split a contract quantity on a previously entered trade between two or more CMTA Firms. From the **Trade Checking Query** window, click the **Allocation** link in the **Alloc** column. For instructions on how to perform trade allocations, refer to the *Options Trade Allocation* section above.

Order Query

The Order Query window allows you to search for orders pertaining to your Broker Group.

Functionality Restrictions

Broker role: Order Query, Order Allocation

The CTM order query functionality allows you to display information on executed orders based on the filters you provide. To display the Order Query window, click on the **Order Query** option. The following window will display.

When you initially open the Order Query window, your Broker Group ID is the only field that is populated. In order to display order information, you must select your Firm number and then the Order Date and then the ORSID or Correspondent Firm, Branch and Sequence Number.

- ↳ **Note:** Data errors will be shown in a box at the top of the screen.
- ↳ **Note:** Click on the Order Date field to display the date calendar. If this field is left empty, the search will default to the order date being the current business day.

Click **Search**. Consolidated Trade information will display.

- ↳ **Note:** An order is based on identical Executing Firm, Order Data and either ORSID or Correspondent Firm, and Sequence Number. A Consolidated Trade is trade information in common for a group of executed trades within an order. To be included in a Consolidated Trade, the individual trades must have the same Buy/Sell, Class Symbol, Put/Call, Expiration Date, Exercise Price, and Premium Price. An order can be comprised of one or more Consolidated Trades.

Order Query

March 11, 2011

Broker Group ID: MEB1

Firm Number: 551

Correspondent Firm:

Branch:

Sequence Number:

Order Date: 03/11/2011

ORSID: ABC999

Search

Consolidated Trades													
Expand	Exec Firm	B / S	Quantity	Class	P / C	Exp Date	Exer Price	Prem Price	Branch	Seq Num	Corr Firm	ORSID	Num Trades
▣	551	1	200	SPX	C	03/19/11	525.0	50.00				ABC999	1
▣	551	1	300	SPX	P	06/18/11	750.0	65.00				ABC999	1

Allocate

The example above shows the Firm Number: 551 and ORSID: ABC999.

If you click on the **Expand** icon (+/-) you can see details of individual trades rolled into the Consolidated Trade.

Order Query
March 11, 2011

Broker Group ID: MEB1

Form Number: 551
Correspondent Firm:
Branch:
Sequence Number:

Order Date: 03/11/2011
ORSID: ABC999

Search

Consolidated Trades																		
Expand	Exec Firm	B / S	Quantity	Class	P / C	Exp Date	Exer Price	Prem Price	Branch	Seq Num	Corr Firm	ORSID	Num Trades					
▣	551	1	200	SPX	C	03/19/11	525.0	50.00				ABC999	1					
				Component Trades:														
							Trans Number	Broker	Qty	O / C	Opp Firm	Opp Broker	CMTA	Orig Ind	MM Acct	Cust ID	Optional Data	Trade Date
							1000004	BRK	200	O	161	XXH		C			new trade1	03/11/11
▣	551	1	300	SPX	P	06/18/11	750.0	65.00				ABC999	1					

Allocate

Order Allocation

From the Order Query window, you can split an order quantity on a previously entered order between two or more CMTA Firms. From the **Order Query** window, click the **Allocate** button. The following window will display.

Order Allocation March 11, 2011

CONSOLIDATED TRADES								ALLOCATIONS								
Exec Firm	Group	Class	P	Exp Date	Exer Price	Prem Price	Qty Remaining	Ex Firm	CMTA Firm	QTY	Open / Close	Origin	Optional Data	Cust ID	MM Acct	
551	1	200	SPX	C	03/19/11	\$25.0	\$0.00	200	551			Open	C - Customer	new trade1		Clear
								551			Open	C - Customer	new trade1			
								551			Open	C - Customer	new trade1			
								551			Open	C - Customer	new trade1			
								551			Open	C - Customer	new trade1			
								551			Open	C - Customer	new trade1			
								551			Open	C - Customer	new trade1			
								551			Open	C - Customer	new trade1			
551	1	300	SPX	P	06/18/11	750.0	65.00	300	551			Open	C - Customer	new trade2		Clear
								551			Open	C - Customer	new trade2			
								551			Open	C - Customer	new trade2			
								551			Open	C - Customer	new trade2			
								551			Open	C - Customer	new trade2			
								551			Open	C - Customer	new trade2			
								551			Open	C - Customer	new trade2			

[Return to Order Query Screen](#)

All allocations will initially default to the Open/Close, Origin, Optional Data, Customer ID and MM Account values of the first trade in the rolled-up consolidated trade.

- Based on your setup, you may be allowed to change the Executing Firm field. The Ex Firm drop-down list displays a list of Give-up Firms defined for your Broker Group.
 - Enter the CMTA Firm number.
 - Enter the quantity you want to allocate to the CMTA Firm. The entire original order quantity must be allocated. If you cannot immediately allocate the entire original quantity, the system will allow you to enter a quantity for CMTA Firm "000" that you can correct later.
- 📌 **Note:** If the order origin is M (Market Maker) or N (Non-CBOE Market Maker), the **MM Acct** field must have a value.
- Click **Clear** to remove the data from the text boxes in the allocation section of the screen. Clicking **Clear** will not remove the initial values of the trade for Open/Close, Origin, Optional Data, Customer ID and MM Account.
 - Select Open or Close from the drop down list. You may leave this blank, which is treated like Open.
 - You can click **Refresh** at anytime to bring back the original values in all consolidated groups.
 - Click **Save Changes**. The order quantity will be allocated to the chosen CMTA Firms.
 - If at anytime you wish to return to the Order Query window, click **Return to Order Query Screen**. This will also run a re-query.

App Support

The APP Support window allows you to audit changes made by Firm associates or Brokers to existing trades for the current business day.

Audit Query

The Audit Query window allows you to examine changes made to existing trades for your Broker group for the current business day.

To display the Audit Query window, click **APP Support** and then select **Audit Query**. The following window will display.

App Support
Audit Query

You can generate an audit query by Firm, Broker Group, Transaction Number or Activity Source.

- Select the number of records you would like to retrieve from the **Records to retrieve** drop down list.
- Enter the number of records to display per page in the **Records per Page** text field.
- You can also limit the trades to display by **Begin Time** and **End Time**.
- After your filters are set, click **Search**. Your query results will display.

In the example below, the system displays the trade for Transaction Number I000004 pertaining to Firm 551.

Audit Query
March 11, 2011

Firm Number: 551
☒ Transaction Number: I000004
 Records to retrieve: 1000

Broker Group: MEB1
 Begin Time: 8am 00 00
 Records per Page: 0

Activity Source:
 End Time: 4pm 00 00
 Records Found: 1

Class Symbol:

Expiration Date:

Exercise Price:

Exec Firm	Trans #	Audit Date	Activity Time	A C	Bch #	Ent Firm	Ent Oper	Term Id	S T	Series	Exec Brkr	B S	Qty	Prem Price	Opp Firm	Opp Brkr	O C	Org	MM Acct	MM Sub	CMTA	Ip Typ	Optional Data	Time Exec
551	I000004	03/14/2011	13:24:03	A	0	000	BWC	CTMI	U	SPX C 03/19/11 00525.0	ABC	1	100	27.50	552	ZZZ	O	C			567	T	test add	11:15:25

Export To: [CSV](#) [Excel](#) [XML](#)

The **Records Found** field indicates the number of trades found.

Click **Next** to view the additional trades, if available.

Click **Previous** to display previously viewed trades.

Exit the System

You can log out and exit the system at any time during the day.

Exit the System

To exit the CTM system, click on the **Logoff** tab and select **Logoff CTM**. You will be logged out of the application and will be returned to the **CTM Login** window.

↳ **Note:** The CTMI system has a timer that inactivates a user who has not recently clicked the mouse or typed on a screen. This requires the user to log back into the system. This insures that displayed data is not too old, and frees up CTMI web resources.



Section 2: Reference Guide

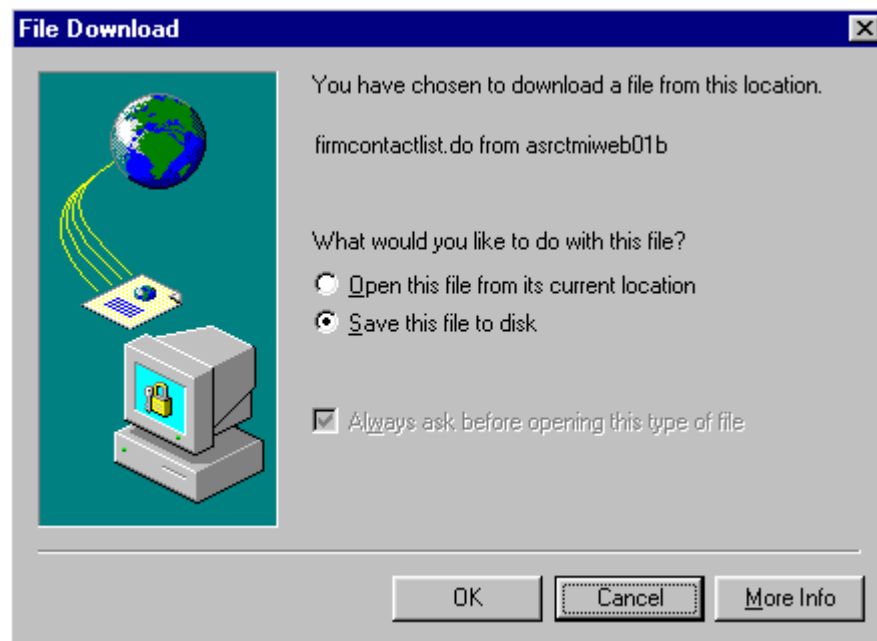
Customize and Export CTM Windows

Exporting CTM Data

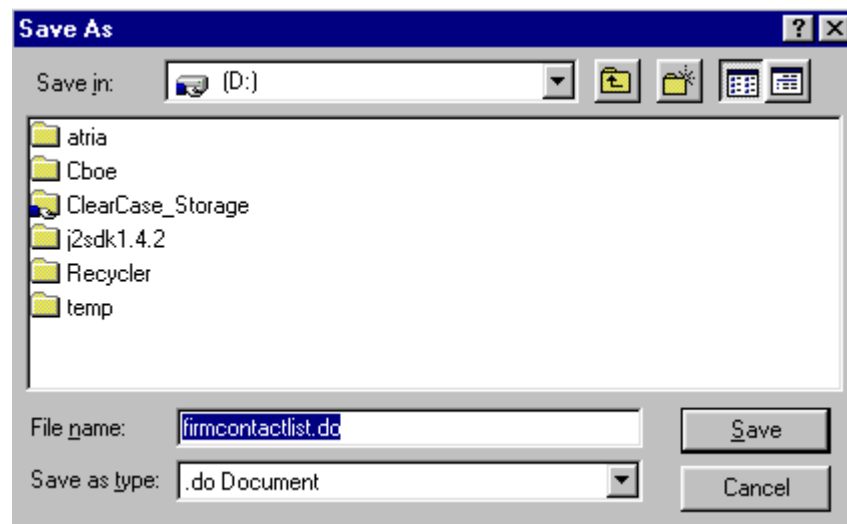
CTM windows that exhibit data in column format can be exported to different file formats.

Export to CSV Format

- Click **CSV** (Comma Separated Values). The File Download window will display. The window defaults to **Save this file to disk**.



- Click **OK**. The Save As window displays.



- Select the location where you want to save the file and enter the file name.
- Click **Save**. Your file will be saved in CVS format.
- To exit the window without saving, click **Cancel**.

To open the file from the current location:

- Click on the corresponding radio button. The Open With window displays.



- Select the program in which to display the data.
- Click **OK**.
- Click **Cancel** to exit the window.

Export to Excel

If you wish to export the data to an Excel spreadsheet, click **Excel**. The system will open an Excel window and export the data.

Microsoft Excel - http://asrcctmiweb01b:8090/ctmi/firmcontactlist.do?657870617274=

File Edit View Insert Format Tools Data Window Help Acrobat

File Edit View Insert Format Tools Data Window Help Acrobat


A1 = Firm Number

	A	B	C	D	E	F	G
1	Firm Num	Firm Desc	Firm Acro	Phone Nur	Email Address		
2	5	Goldman S	SAX	312.555.12	gsbackoffice@gsm.com		
3	9	FOC Divisi	SHD	630.456.7842			
4	15	Morgan St	D	708.305.66	MorganStanleyClearing@msdwi.com		
5	44	National In	NIS	815.598.3698			
6	60	J. P. Morg	JPM	201.258.14	jpmorgantradecheckers@jpms.com		
7	67	Instinet Cl	INC	408.258.4563			
8	74	Lehman Br	LB	201.159.35	Lehman_Brothers_Clearing@lbi.com		
9	100	N. K. & Co	NKC	312.753.15	nkinc_bkoffice@nkinc.com		
10	112	Pax Cleari	ABF	312.654.12	paxclearingtradechecking@pax.com		
11	161	Merrill Lyn	M	312.789.3214			
12	180	Nomura Se	NOM	708.126.3654			
13	267	ING Secur	QC	815.951.3576			
14	286	SG Americ	COW	408.136.6842			
15	327	Herzog, He	ZOG	219.397.1268			
16	454	E.D. & F.	IMR	630.764.2796			
17	651	Credit Lyonnais Securities (USA)			tradechecking@clsinc.com		
18	725	Raymond	RAJ	312.428.1262			
19	844	Van Der MQTS		312.371.1482			

XML Conversion

To convert the data to XML, click **XML**. A new browser window will open and the data will display in XML format.

```
<?xml version="1.0" ?>
- <table>
  - <row>
    <column>005</column>
    <column>Goldman Sachs & Company Inc.</column>
    <column>SAX</column>
    <column>312.555.1212</column>
    <column>gsbackoffice@gsm.com</column>
  </row>
  - <row>
    <column>009</column>
    <column>FOC Division Of Spear Leeds and Kellog</column>
    <column>SHD</column>
    <column>630.456.7842</column>
    <column />
```

Click the right button (X)  in the upper right corner of the window to close the window and return to CTM system.

Sizing CTM Windows

The CTM windows are only as sizable as the browser allows.





Place the mouse on any edge of the window until it becomes a two-sided arrow. Hold the left mouse button down and move it to the desired size.

Resizing a window on the corner will expand or contract it in both directions (i.e. up and down and side-to-side). Resizing it on the side or top/bottom will expand or contract the window only in that one direction.

Windows can also be resized using the center glyph in the upper right corner of the window.



Click the left button (_) to minimize the window. Click the right button (X) to close the window. The center button is used for sizing.

If  is displayed, clicking it will increase the window size to a full-screen display. If  is displayed, clicking it will return the window to its default size.