

Public server message

ProtoCancelOrderReq

Request to cancel existing pending order.

Expect ProtoExecutionEvent{executionType = ORDER_CANCELLED} event in case of success, or ProtoOrderErrorEvent in case validation failed

Field	Type	Label	Description
payloadType	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly
orderId	int64	Required	order Id to be cancelled
originalClientOrderId	string	Optional	The client-assigned order ID of the order being cancelled, used for order tracking in client systems
clientOrderId	string	Optional	A new client-assigned ID for this cancellation request, used for tracking the cancellation operation
clientId	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events

ProtoClosePositionReq

Request to close existing open position by positionId.

Expect ProtoExecutionEvent{executionType = ORDER_ACCEPTED} in case of success, or ProtoOrderErrorEvent in case validation failed.

This request ensures that position will have 0 volume.

Note that it can still be in status "CREATED" if there are pending orders with same positionId

Field	Type	Label	Description
payloadType	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly
positionId	int64	Required	Position Id to be closed fully or partially
volume	int64	Required	Volume to be closed, specified in "cents" (*100). Position could be closed partially
channel	string	Optional	Client-specified channel for reporting purposes
stake	int64	Optional	Trading size, instead of volume, for accounts with ProtoAccountType = SPREAD_BETTING. Value 1 is always 0.01
desiredVWAP	double	Optional	price value to calculate slippage on execution. Specified by the client as Market VWAP for the desired volume at the moment of generation of request

closeWithPID	int64	Optional	Position ID that will be displayed in the UI as the opposing position used to close this position, used for visual grouping in the interface
clientMsgId	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events

ProtoCreateNewOrderReq

A request to submit a new order: on success, ProtoExecutionEvent with executionType = ORDER_ACCEPTED will be returned; if validation fails, ProtoOrderErrorEvent will be received.

Field	Type	Label	Description
payloadType	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly
symbolId	int64	Required	Desired SymbolID to trade
orderType	ProtoOrderType	Required	MARKET, LIMIT, STOP, MARKET_RANGE, STOP_LIMIT
tradeSide	ProtoTradeSide	Required	BUY, SELL

volume	int64	Required	Trade Volume, specified in "cents" (*100)
limitPrice	double	Optional	Price of the order. Valid for orderType = Limit
stopPrice	double	Optional	Price of the order. Valid for orderType = STOP and STOP_LIMIT
timeInForce	ProtoTimeInForce	Optional	only MARKET_ON_OPEN could be specified here for orderType = MARKET. Otherwise server will set TIF according to internal logics
expirationTimestamp	int64	Optional	UNIX expiration time for LIMIT, STOP and STOP_LIMIT orders. Server will set ProtoTimeInForce = GOOD_TILL_DATE in this case
stopLoss	double	Optional	absolute stop loss price (1.23456 for example). Excludes takeProfitInPips field. Unsupported for MARKET and MARKET_RANGE orders
takeProfit	double	Optional	absolute take profit price (1.23456 for example). Excludes takeProfitInPips field. Unsupported for MARKET orders
comment	string	Optional	User-specified comment
method	string	Optional	quickTrade button, Order screen, Chart trading, etc.

baseSlippagePrice	double	Optional	Base price to calculate relative slippage price
label	string	Optional	User-specified label
channel	string	Optional	Client-specified channel for reporting purposes
positionId	int64	Optional	Position Id in case trade must be done into specific existing open position
clientOrderId	string	Optional	Optional User-specific clientId (similar to FIX ClOrderID). MaxLength = 50 chars
relativeStopLoss	int64	Optional	distance between position open price and desired Stop Loss. Value 1 is always 0.00001 of price
relativeTakeProfit	int64	Optional	distance between position open price and desired Take Profit. value 1 is always 0.00001 of price
stake	int64	Optional	trading unit instead of volume for accounts with ProtoAccountType = SPREAD_BETTING. Value 1 is always 0.01
desiredVWAP	double	Optional	price value to calculate slippage on execution. Specified by the client as Market VWAP for the desired volume at the moment of generation of request

guaranteedStopLoss	bool	Optional	If TRUE then stopLoss is guaranteed. Required to be set to TRUE for the Limited Risk accounts (ProtoTrader.isLimitedRisk = true).
checkTolerance	bool	Optional	defines if server should perform check against ProtoProtectionProfile.tolerance.
trailingStopLoss	bool	Optional	defines if specified Stop Loss is trailing.
stopTriggerMethod	ProtoOrderTriggerMethod	Optional	Trigger method for main pending order
stopLossTriggerMethod	ProtoOrderTriggerMethod	Optional	Stop trigger method for SL/TP order
slippageInPoints	int32	Optional	max allowed slippage for MARKET_RANGE and STOP_LIMIT orders. Value 1 is 1/10^digits of the Symbol. For EURJPY it will be 0.001, for EURUSD 0.00001
desiredOpenTimestamp	int64	Optional	timestamp of the desired session start to execute Market Order. Must be equal to time, related to ProtoInterval with isGlobalSessionStart = true.
clientId	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events

ProtoErrorRes

Field	Type	Label	Description
payloadType	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly
clientId	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events

ProtoExecutionEvent

Event that is sent following the successful Order acceptance or execution.

Acts as response to the ProtoNewOrderReq, ProtoCancelOrderReq, ProtoAmendOrderReq, ProtoAmendPositionSLTPReq, ProtoClosePositionReq.

Field	Type	Label	Description
payloadType	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly
executionType	ProtoExecutionType	Required	Type of the happened event

position	ProtoPosition	Optional	Reference to the Position linked with the execution
order	ProtoOrder	Optional	Reference to the Order linked with the execution
errorCode	string	Optional	The name of the ProtoErrorCode or the other custom ErrorCodes in case of unsuccessful operation
deposit Withdraw	ProtoDepositWithdraw	Optional	Reference to the Deposit or Withdrawal operation linked with the execution
deal	ProtoDeal	Optional	Reference to the Deal linked with the execution
eventId	uint64	Optional	ID of the execution event
bonusDeposit Withdraw	ProtoBonusDepositWithdraw	Optional	Reference to the Bonus Deposit or Bonus Withdrawal operation linked with the execution
isServerEvent	bool	Optional	If TRUE then the event generated by the cServer logic instead of the Trader's request. (e.g. Stop Out)

depositToUsdRate	double	Optional	Conversion rate from the deposit currency to USD
notifyBigVolume	bool	Optional	Returned as TRUE if executed volume is big enough as per Trade Notification Profile
usedMargin	int64	Optional	used margin of account
clientId	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events

ProtoGetAccountGroupInformationReq

Request to retrieve comprehensive group settings (trading parameters, margin requirements, fees, commissions, bonus conversion rates, stop-out levels, inactivity fees, permission flags, and regional/legal entity information) for the currently authenticated account.

Returns a ProtoGroup object containing the group's ID, name, status, commission profiles, bonus settings, inactivity fees, and legal entity details, along with the account's deposit currency.

Field	Type	Label	Description
payloadType	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly

clientMsgId	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events
-------------	--------	----------	---

ProtoGetAccountGroupInformationRes

Field	Type	Label	Description
payloadType	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly
group	ProtoGroup	Required	Group's information for currently authorized account
depositCurrency	string	Required	Name of Trader's deposit Asset
enabled	bool	Optional	TRUE if Trader's Group is enabled
clientMsgId	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events

ProtoGetAccountInformationReq

Request to retrieve comprehensive information about the authenticated trading account, to obtain account details including balance, margin requirements, account status, and trading permissions.

Field	Type	Label	Description
payloadType	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly
clientId	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events

ProtoGetAccountInformationRes

Field	Type	Label	Description
payloadType	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly
trader	ProtoTrader	Required	Comprehensive trader account information including ID, balance, margin settings, and account status
clientId	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events

ProtoGetDealListReq

Request for returning list of closing deals within timestamps

Field	Type	Label	Description
payloadType	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly
fromTimestamp	int64	Required	UNIX time in milliseconds. fromTimestamp <= deal.execution_timestamp <= toTimestamp
toTimestamp	int64	Required	UNIX time in milliseconds
clientId	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events

ProtoGetDealListRes

Field	Type	Label	Description
payloadType	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly

deal	Repeated Field<ProtoDeal>	Repeated	List of closing deals, sorted by utcLastUpdateTimestamp in descending order (newest first)
hasMore	bool	Required	If TRUE then server has more entities for the desired period than returned and another request must be sent to get the rest
clientId	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events

ProtoGetDynamicLeverageReq

Request to fetch the dynamic leverage configuration for a specific symbol.

You must supply the leveraged value returned in ProtoSymbol from ProtoGetSymbolReq.

Field	Type	Label	Description
payloadType	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly
leveraged	uint64	Required	Unique identifier returned in ProtoSymbol by ProtoGetSymbolReq
clientId	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events

ProtoGetDynamicLeverageRes

Field	Type	Label	Description
payloadType	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly
leverage	ProtoDynamicLeverage	Required	The dynamic leverage configuration for the requested symbol, containing volume tiers and corresponding leverage values
clientMsgId	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events

ProtoGetLightSymbolListReq

Request to retrieve a list of available trading symbols with essential information.

Field	Type	Label	Description
payloadType	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly
includeArchivedSymbols	bool	Optional	When TRUE, response will include symbols that are no longer active but have historical data

clientMsgId	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events
-------------	--------	----------	---

ProtoGetLightSymbolListRes

Field	Type	Label	Description
payloadType	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly
symbol	RepeatedField<ProtoLightSymbol>	Repeated	List of active trading symbols with essential parameters
archivedSymbol	RepeatedField<ProtoArchivedSymbol>	Repeated	List of archived symbols if includeArchivedSymbols was TRUE in the request
clientMsgId	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events

ProtoGetSymbolReq

Request to retrieve detailed information for specific symbol by its ID (which first need to obtain via ProtoGetLightSymbolListReq).

Field	Type	Label	Description
payloadType	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly
symbolId	RepeatedField<int64>	Repeated	Symbol's ID, received from ProtoLightSymbol, for which to retrieve detailed information
clientId	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events

ProtoGetSymbolRes

Field	Type	Label	Description
payloadType	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly
symbol	RepeatedField<ProtoSymbol>	Repeated	List of detailed information for active symbols requested by their IDs

archived Symbol	RepeatedField<ProtoArchivedSymbol>	Repeated	List of archived symbols (no longer active) if any of the requested IDs were for archived symbols
clientMsg Id	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events

ProtoModifyOrderProtectionReq

Request for changing SL/TP for existing position by positionId, expect ProtoExecutionEvent, executionType = ORDER_REPLACED event in case of success, or ProtoOrderErrorEvent in case validation failed, or ProtoExecutionEvent with executionType = ORDER_CANCELLED in case of removing all protections

Field	Type	Label	Description
payload Type	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly
position Id	int64	Required	Position Id to amend protections
stopLoss	double	Optional	Absolute stop loss price (1.23456 for example). Send empty to remove SL. In case all protections are removed, expect ORDER_CANCELLED event

takeProfit	double	Optional	Absolute take profit price (1.26543 for example). Send empty to remove TP. In case all protections are removed, expect ORDER_CANCELLED event
channel	string	Optional	Client-specified channel for reporting purposes
guaranteedStopLoss	bool	Optional	If TRUE then stopLoss is guaranteed. Required to be set to TRUE for the Limited Risk accounts (ProtoTrader.isLimitedRisk = true).
trailingStopLoss	bool	Optional	Defines if specified Stop Loss is trailing.
stopLossTriggerMethod	ProtoOrderTriggerMethod	Optional	Stop trigger method for SL/TP order
clientMsgId	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events

ProtoModifyOrderReq

Request to change existing pending order by orderId: on success, ProtoExecutionEvent with executionType = ORDER_REPLACED, or ProtoOrderErrorEvent in case validation failed

Field	Type	Label	Description
-------	------	-------	-------------

payload Type	ProtoPublic ServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly
orderId	int64	Required	Unique identifier of the existing order to be modified
limitPrice	double	Optional	Price of the order. Valid for orderType = Limit
stopPrice	double	Optional	Price of the order. Valid for orderType = STOP and STOP_LIMIT
expirationTimestamp	int64	Optional	UNIX expiration time for LIMIT, STOP and STOP_LIMIT orders. Server will set ProtoTimeInForce = GOOD_TILL_DATE in this case
stopLoss	double	Optional	absolute stop loss price (1.23456 for example). Excludes takeProfitInPips field. Unsupported for MARKET orders
takeProfit	double	Optional	absolute take profit price (1.23456 for example). Excludes takeProfitInPips field. Unsupported for MARKET orders
channel	string	Optional	Client-specified channel for reporting purposes

relative StopLoss	int64	Optional	distance between position open price and desired Stop Loss. Value 1 is always 0.00001 of price
relative TakeProfit	int64	Optional	distance between position open price and desired Take Profit. value 1 is always 0.00001 of price
volume	int64	Optional	Trade Volume, specified in "cents" (*100)
guaranteedStop Loss	bool	Optional	If TRUE then stopLoss is guaranteed. Required to be set to TRUE for the Limited Risk accounts (ProtoTrader.isLimitedRisk = true).
stake	int64	Optional	Trading size, instead of volume, for accounts with ProtoAccountType = SPREAD_BETTING. Value 1 is always 0.01
trailingStop Loss	bool	Optional	Defines if specified Stop Loss is trailing.
stopTrigger Method	ProtoOrderTrigger Method	Optional	Trigger method for main pending order
stopLoss Trigger Method	ProtoOrderTrigger Method	Optional	Stop trigger method for SL/TP order

slippage InPoints	int32	Optional	Max allowed slippage for MARKET_RANGE and STOP_LIMIT orders. Value 1 is 1/10^digits of the Symbol. For EURJPY it will be 0.001, for EURUSD 0.00001
desired OpenTi mestam p	int64	Optional	Timestamp of the desired session start to execute Market Order. Must be equal to time, related to ProtoInterval with isGlobalSessionStart = true
clientMs gld	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events

ProtoOrderErrorRes

Field	Type	Label	Description
payload Type	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly
errorCo de	string	Required	Standardized error code identifying the specific error that occurred during order processing
orderId	int32	Optional	The unique identifier of the order associated with this error, if applicable

traderId	int32	Optional	The unique identifier of the trader whose action triggered this error
positionId	int32	Optional	The unique identifier of the position associated with this error, if applicable
description	string	Optional	Explanation of the error, providing additional details about the problem
clientId	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events

ProtoPublicServerPayloadType

Name	Value	Description
QUOTE_EVENT	3	
ERROR_RES	50	
GET_ACCOUNT_INFORMATION_RES	124	

GET_ACCOUNT_GROUP_INFORMATION_RES	125	
ORDER_ERROR_RES	138	
CREATE_NEW_ORDER_REQ	143	
CANCEL_ORDER_REQ	144	
MODIFY_ORDER_REQ	145	
CLOSE_POSITION_REQ	146	
MODIFY_ORDER_PROTECTION_REQ	147	
GET_SYMBOL_REQ	163	
GET_SYMBOL_RES	164	
GET_ACCOUNT_INFORMATION_REQ	175	

GET_ACCOUNT_GROUP_INFORMATION_REQ	176	
EXECUTION_EVENT	300	
GET_DEAL_LIST_REQ	477	
GET_DEAL_LIST_RES	478	
SUBSCRIBE_QUOTES_REQ	601	
SUBSCRIBE_QUOTES_RES	602	
UNSUBSCRIBE_QUOTES_REQ	608	
UNSUBSCRIBE_QUOTES_RES	609	
GET_LIGHT_SYMBOL_LIST_REQ	841	
GET_LIGHT_SYMBOL_LIST_RES	842	

GET_DYNAMIC_LEVERAGE_REQ	858	
GET_DYNAMIC_LEVERAGE_RES	859	

ProtoQuoteEvent

Event containing real-time price updates for a subscribed symbol.

These events are sent automatically to clients who have established a subscription using ProtoSubscribeQuotesReq.

The first event after subscription contains the latest available prices, even if the market is currently closed.

Field	Type	Label	Description
payload Type	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly
symbol id	int64	Required	Symbol ID
bid	uint64	Optional	Current bid (sell) price in 1/100,000 format (e.g., 1.23 is represented as 123000)
ask	uint64	Optional	Current ask (buy) price in 1/100,000 format (e.g., 1.23 is represented as 123000)

high	uint64	Optional	Highest price in current trading session in 1/100,000 format
low	uint64	Optional	Lowest price in current trading session in 1/100,000 format
session Close	uint64	Optional	Last session's closing price in 1/100,000 format
trendbar	RepeatedField<ProtoTrendbar>	Repeated	Time-based chart bars if subscribed to chart data
timestamp	int64	Optional	Precise UNIX timestamp in milliseconds when this price update occurred
tickbar	RepeatedField<ProtoTickbar>	Repeated	Tick-based chart bars if subscribed to tick data
depth	RepeatedField<ProtoDepthQuote>	Repeated	Depth of market data showing liquidity at different price levels if subscribed to DoM
hasGap	bool	Optional	Indicates whether there was a gap in price continuity (previous update was dropped)

clientMsgId	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events
-------------	--------	----------	---

ProtoSubscribeQuotesReq

Request to establish a subscription for real-time price quotes for specific trading symbol by its ID (which first need to obtain via ProtoGetLightSymbolListReq).

After subscription is confirmed, the client will begin receiving ProtoQuoteEvent messages with the latest price updates.

An initial event with the current prices will be sent immediately after subscription, even if the market is closed.

Field	Type	Label	Description
payloadType	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly
symbolId	RepeatedField<int64>	Repeated	Symbol's ID, received from ProtoLightSymbol, for which to retrieve detailed information
enableStaleQuotesFiltering	bool	Optional	When TRUE, enables depth of market (DoM) snapshot data in quote events
subscribeToSpotTimestamp	bool	Optional	When TRUE, includes precise timestamp in quote events, useful for charting applications

clientMsgId	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events
-------------	--------	----------	---

ProtoSubscribeQuotesRes

Field	Type	Label	Description
payload Type	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly
clientMsgId	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events

ProtoUnsubscribeQuotesReq

Request to cancel an existing subscription to real-time price quotes for specific symbol by its ID (which first need to obtain via ProtoGetLightSymbolListReq).

After unsubscribing, the client will stop receiving ProtoQuoteEvent messages for the specified symbols.

Field	Type	Label	Description
payload Type	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly

symbolId	RepeatedField<int64>	Repeated	The unique identifier of the Symbol in specific server environment within cTrader platform.
clientId	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events

ProtoUnsubscribeQuotesRes

Field	Type	Label	Description
payloadType	ProtoPublicServerPayloadType	Optional	Code included in each message that tells cTrader and WebView plugins which specific request, response, or event is being sent so it can be routed and processed correctly
clientId	string	Required	A unique identifier generated for each message, used to correlate requests with their matching responses and any related events

PublicServerMessageEmpty

Field	Type	Label	Description