

Public server model

ProtoAccessRights

Name	Value	Description
FULL_ACCESS	0	Full access to the account.
CLOSE_ONLY	1	Only trading that reduces volume of the position is allowed. Deals that increase volume of the position are rejected with error "Trading disabled for the account".
NO_TRADING	2	No trading is allowed for this account. All new deals will be rejected with error "Trading disabled for the account", including SL/TP and Stop Out.
NO_LOGIN	3	No login is allowed for this account. Pending and other orders are still executed.

ProtoAccountLifetimeType

Lifetime type of accounts

Name	Value	Description
UNLIMITED	1	Default type for live accounts and subaccounts, exempt from expiration

LIMITED_INACTIVITY	2	Accounts that expire based on inactivity
LIMITED_CREATION	3	Accounts with a predefined lifespan from creation time
LIMITED_CREATION_FREE	4	Accounts with a predefined lifespan from creation time but are explicitly free for proprietary firms with deposit/withdrawal restrictions (it must be available only for servers with setting.PROP_TRADING != 0

ProtoAccountType

Defines the type of trading account which determines how positions are managed

Name	Value	Description
HEDGED	0	Allows multiple positions on the same instrument in opposite directions (buy and sell) simultaneously
NETTED	1	Consolidates all positions on the same instrument into a single net position
SPREAD_BETTING	2	An account enabling speculation on price movements through spreads rather than ownership of underlying assets

ProtoArchivedSymbol

Field	Type	Label	Description
symbolId	int64	Required	The unique identifier of the symbol in the specific server environment within the cTrader platform
name	string	Required	Symbol code or ticker symbol used for identification (e.g., "EURUSD", "BTCUSD")
utcLastUpdateTimestamp	int64	Required	UNIX timestamp in milliseconds indicating when the symbol information was last updated
description	string	Optional	Human-readable description of the trading instrument
digits	int32	Required	Number of decimal places in the symbol's price representation
pipPosition	int32	Required	Position of the pip digit in the price (e.g., for EURUSD with price 1.12345, pipPosition=4 means the '4' digit)
lotSize	int64	Required	Standard lot size for the instrument, expressed in base units
measurementUnits	string	Optional	The unit of measurement for the instrument (e.g., "USD", "Barrels", "Troy Ounces")

baseAssetId	int64	Required	Identifier of the base asset (first currency in a pair or underlying asset)
unifiedSymbolId	int32	Optional	Cross-broker standardized identifier for the same financial instrument

ProtoBonusDepositWithdraw

Field	Type	Label	Description
operationType	ProtoChangeBonusType	Required	Type of bonus change operation (deposit or withdraw)
bonusHistoryId	int64	Required	Unique identifier for this bonus history record
traderId	int64	Required	ID of the trader whose bonus is being modified
managerBonus	int64	Required	Total manager bonus amount after the operation in cents
managerDelta	int64	Required	Change in manager bonus amount in cents

ibBonus	int64	Required	Total introducing broker bonus amount after the operation in cents
ibDelta	int64	Required	Change in introducing broker bonus amount in cents
changeBonusTimestamp	int64	Required	createTimestamp of this bonus history operation
externalNote	string	Optional	Note visible to external users and traders
introducingBrokerId	int64	Optional	ID of the introducing broker related to this bonus operation
moneyDigits	uint32	Optional	Number of decimal places for monetary values

ProtoBookType

Name	Value	Description
BOOK_A	1	Primary order book used for standard trading

BOOK_B	2	Secondary order book used for special trading conditions
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ProtoChangeBalanceType

Name	Value	Description
BALANCE_DEPOSIT	0	Manual deposit operation, or initial deposit operation for demo accounts. Can be initiated via cBroker "Deposit" button, via client application "Deposit" button for demo accounts, via API endpoints
BALANCE_WITHDRAW	1	Manual withdrawal operation
BALANCE_CLOSE_POSITION	2	Internal balance update when a position is closed
BALANCE_DEPOSIT_STRATEGY_COMMISSION_INNER	3	Used for payment of Copy fees to Provider from Follower of the same brokerName
BALANCE_WITHDRAW_STRATEGY_COMMISSION_INNER	4	Used for withdrawal of performance and management Copy fees from the Follower to the Provider from the same brokerName
BALANCE_DEPOSIT_IB_COMMISSIONS	5	Direct IB commission paid to IB by Trader. Done with nightly job

BALANCE_WITHDRAW_IB_SHARED_PERCENTAGE	6	Commission paid by IB to its parent IB or to broker. Done with nightly job
BALANCE_DEPOSIT_IB_SHARED_PERCENTAGE_FROM_SUB_IB	7	Commission received by parent IB from his sub-ibs. Done with nightly job
BALANCE_DEPOSIT_IB_SHARED_PERCENTAGE_FROM_BROKER	8	Commission paid by Broker to IB
BALANCE_DEPOSIT_REBATE	9	Deposit of trading rebate to the trader's account
BALANCE_WITHDRAW_REBATE	10	Withdrawal of trading rebate from the trader's account
BALANCE_DEPOSIT_STRATEGY_COMMISSION_OUTER	11	Used for payment of Copy fees to Provider from Follower of another brokerName
BALANCE_WITHDRAW_STRATEGY_COMMISSION_OUTER	12	Used for withdrawal of performance and management Copy fees from the Follower to the Provider from another brokerName
BALANCE_WITHDRAW_BONUS_COMPENSATION	13	Withdrawal to compensate for bonus funds
BALANCE_WITHDRAW_IB_SHARED_PERCENTAGE_TO_BROKER	14	Commission paid by IB to the broker

BALANCE_DEPOSIT_DIVIDENDS	15	Deposit of dividends to the trader's account
BALANCE_WITHDRAW_DIVIDENDS	16	Withdrawal of dividends from the trader's account
BALANCE_WITHDRAW_GSL_CHARGE	17	Withdrawal of guaranteed stop loss charge
BALANCE_WITHDRAW_ROLLOVER	18	Withdrawal of rollover fee for swap-free accounts
BALANCE_DEPOSIT_NONWITHDRAWABLE_BONUS	19	Deposit of bonus funds that cannot be withdrawn
BALANCE_WITHDRAW_NONWITHDRAWABLE_BONUS	20	Withdrawal of non-withdrawable bonus funds
BALANCE_DEPOSIT_SWAP	21	used only for limited risk accounts. SWAP for ordinary accounts is based on swapCalculationEvents
BALANCE_WITHDRAW_SWAP	22	used only for limited risk accounts
BALANCE_WITHDRAW_INVESTMENT_TO_STRATEGY	23	Withdrawal for investment into a copy trading strategy

BALANCE_DEPOSIT_FROM_INVESTOR	24	Deposit received from an investor into a strategy
BALANCE_DEPOSIT_RETURNED_INVESTMENT	25	Deposit of returned investment funds from a strategy
BALANCE_WITHDRAW_BY_INVESTOR	26	Withdrawal by an investor from a strategy
BALANCE_DEPOSIT_MANAGEMENT_FEE	27	Deposit of management fee to strategy provider
BALANCE_WITHDRAW_MANAGEMENT_FEE	28	Withdrawal of management fee from investor
BALANCE_DEPOSIT_PERFORMANCE_FEE	29	Deposit of performance fee to strategy provider
BALANCE_WITHDRAW_FOR_SUBACCOUNT	30	Withdrawal from main account to fund a subaccount
BALANCE_DEPOSIT_TO_SUBACCOUNT	31	Deposit to a subaccount from the main account

BALANCE_WITHDRAW_FROM_SUBACCOUNT	32	Withdrawal from a subaccount
BALANCE_DEPOSIT_FROM_SUBACCOUNT	33	Deposit from a subaccount to the main account
BALANCE_WITHDRAW_COPY_FEE	34	Withdrawal of copy trading fee
BALANCE_WITHDRAW_INACTIVITY_FEE	35	Withdraw of inactivity fee from the balance
BALANCE_DEPOSIT_TRANSFER	36	Deposit from an internal transfer
BALANCE_WITHDRAW_TRANSFER	37	Withdrawal for an internal transfer
BALANCE_DEPOSIT_CONVERTED_BONUS	38	Deposit of bonus funds converted to real balance
BALANCE_DEPOSIT_NEGATIVE_BALANCE_PROTECTION	39	Deposit to reset negative balance to zero for protected accounts
BALANCE_RESERVED1	40	Reserved for future use

BALANCE_RESERVED2	41	Reserved for future use
BALANCE_RESERVED3	42	Reserved for future use

ProtoChangeBonusType

Name	Value	Description
BONUS_DEPOSIT	0	Adding bonus funds to a trader's account
BONUS_WITHDRAW	1	Removing bonus funds from a trader's account

ProtoClosePositionDetail

Field	Type	Label	Description
entryPrice	double	Required	Position price, based on vwap of all open deals that link to this position, at the moment of filling the closing order

profit	int64	Required	Gross realized profit related to the closing of offset part of opening deals
swap	int64	Required	Realized swap.
commission	int64	Required	Realized commission
balance	int64	Required	Resulted trader's balance following closing deal execution
comment	string	Optional	User or system comment attached to the position closing
stopLoss	double	Optional	Stop loss price level at the time of closing
takeProfit	double	Optional	Take profit price level at the time of closing
quoteToDepositConversionRate	double	Optional	on the moment when the closing deal was sent execution
closedVolume	int64	Optional	Volume that was closed in this operation in cents

balanceVersion	int64	Optional	Version number for tracking balance changes
introducingBrokerCommission	int64	Optional	Commission paid to introducing broker in cents
pocketCommission	int64	Optional	Value in USD cents
pocketMarkup	int64	Optional	Value in USD cents
equity	int64	Optional	Resulted trader's equity following closing deal execution
netProfit	int64	Optional	Net realized profit related to the closing of offset part of opening deals
mirroringCommission	int64	Optional	In deposit ccy, cents
depositToIBDepositRate	double	Optional	Conversion rate from deposit currency to IB deposit currency

minEquity	int64	Optional	Minimum Equity value starting from the last previous balance history operation and before applying close position balance history operation
maxEquity	int64	Optional	Maximum Equity value starting from the last previous balance history operation and before applying close position balance history operation
rebate	int64	Optional	In deposit ccy, cents
balanceHistoryId	int64	Optional	ID of the balance history record for this closing
markup	int64	Optional	In USD cents
equityBasedRoi	double	Optional	Return on investment based on account equity
closedStake	uint64	Optional	Stake amount closed for spread betting accounts
ibCommissionsPaid	bool	Optional	If TRUE, introducing broker commissions have been paid
nonWithdrawableBonus	int64	Optional	Amount of Credit available for trader after operation. Can be used for trading but cannot be withdrawn.

stopLossTriggerMethod	ProtoOrderTriggerMethod	Optional	Stop trigger method for SL/TP order
offsetDealTimestamp	int64	Optional	Execution time of the first offset deal for this closing deal
moneyDigits	uint32	Optional	Number of decimal places for monetary values
pnlConversionFee	int64	Optional	This is actual fee, applied to the Deal in account's ccy

ProtoCommissionType

Name	Value	Description
USD_PER_MILLION_USD	1	USD per million USD volume - usually used for FX. Example: 50 USD for 1 mil USD of trading volume. In 10^8 .
USD_PER_LOT	2	USD per 1 lot - usually used for CFDs and futures for commodities, and indices. Example: 15 USD for 1 contract. In 10^8 .

PERCENTAGE_OF_VALUE	3	Percentage of trading volume - usually used for Equities. Example: 0.005% of notional trading volume. Multiplied by 100000.
QUOTE_CCY_PER_LOT	4	Quote ccy of Symbol per 1 lot - will be used for CFDs and futures for commodities, and indices. Example: 15 EUR for 1 contract of DAX. In 10^8.

ProtoDayOfWeek

Name	Value	Description
NONE	0	No specific day, or day not applicable
MONDAY	1	First day of the trading week
TUESDAY	2	Second day of the trading week
WEDNESDAY	3	Third day of the trading week
THURSDAY	4	Fourth day of the trading week

FRIDAY	5	Fifth day of the trading week
SATURDAY	6	Weekend day, limited trading hours
SUNDAY	7	Weekend day, market opening preparations

ProtoDeal

Field	Type	Label	Description
dealId	int64	Required	Unique identifier for the deal
orderId	int64	Required	Identifier of the order that generated this deal
positionId	int64	Required	Identifier of the position associated with this deal
volume	int64	Required	Total volume of the deal in cents
filledVolume	int64	Required	Actual volume that was filled in cents

symbolId	int64	Required	Identifier of the trading symbol
createTimestamp	int64	Required	Timestamp when the deal was created
executionTimestamp	int64	Required	Timestamp when the deal was executed
executionPrice	double	Optional	Price at which the deal was executed
tradeSide	ProtoTradeSide	Required	Buy or sell direction of the deal
dealStatus	ProtoDealStatus	Required	Current status of the deal
dealType	ProtoDealType	Required	Type of the deal (market or limit)
commission	int64	Optional	Commission charged for the deal in deposit currency cents
label	string	Optional	Label field value from corresponding order. Used by cAlgo bots to identify its own orders. max length 100

channel	string	Optional	Channel through which the deal was executed
comment	string	Optional	User or system comment attached to the deal
priceSnapshotId	int64	Optional	Reference to the price snapshot at execution time
baseToUsdConversionRate	double	Optional	Conversion rate from base currency to USD
closePositionDetail	ProtoLig htClose Position Detail	Optional	Details if this deal closed a position
introducingBrokerCommission	int64	Optional	Commission paid to introducing broker in cents
mirroringCommission	int64	Optional	Commission for copy trading in deposit currency cents
lotSize	int64	Optional	Standard lot size for the symbol in cents
stake	int64	Optional	Stake amount for spread betting accounts

offsetDeals	RepeatedField<ProtoLightOffsetDeal>	Repeated	List of deals that offset this deal
moneyDigits	uint32	Optional	Number of decimal places for monetary values
marginRate	double	Optional	Base to Deposit rate computed before deal is sent for execution

ProtoDealStatus

Name	Value	Description
FILLED	2	Order or deal was fully executed at the requested volume
PARTIALLY_FILLED	3	Order or deal was partially executed with some volume remaining
REJECTED	4	Order was rejected by the system before execution
INTERNALLY_REJECTED	5	Order was rejected internally by the broker's system

ERROR	6	An error occurred during order processing
MISSED	7	Order was missed or not processed due to market conditions

ProtoDealType

Name	Value	Description
MARKET_DEAL	1	Deal executed at current market price
LIMIT_DEAL	2	Deal executed at a specific price limit set by the trader

ProtoDepositWithdraw

Field	Type	Label	Description
operation Type	ProtoChange BalanceType	Required	Type of balance change operation

balanceHistoryId	int64	Required	Unique identifier for this balance history record
traderId	int64	Required	ID of the trader whose balance is being modified
balance	int64	Required	Resulted balance after application of this balance history
delta	int64	Required	Delta between balance amount before and after application of this balance history operation
changeBalanceTimestamp	int64	Required	createTimestamp of this balance history operation
comment	string	Optional	Internal comment for the balance operation
externalNote	string	Optional	Note visible to external users and traders
balanceVersion	int64	Optional	Version number for tracking balance changes
equity	int64	Optional	Equity value resulted from application of this balance history operation. equity can be less than minEquity

minEquity	int64	Optional	Minimum Equity value starting from the last previous balance history operation and before applying this balance history operation
maxEquity	int64	Optional	Maximum Equity value starting from the last previous balance history operation and before applying this balance history operation
nonWithdrawableBonus	int64	Optional	Amount of Credit available for trader. Can be used for trading but cannot be withdrawn.
source	string	Optional	Source of the balance operation (system, manual, etc.)
externalId	string	Optional	External identifier for reconciliation purposes
moneyDigits	uint32	Optional	Number of decimal places for monetary values

ProtoDepthQuote

Field	Type	Label	Description
id	uint64	Optional	Unique identifier for the market depth quote

size	uint64	Required	Size in whole units (e.g. USD 1000.20 will have size = 1_000)
bid	uint64	Optional	Bid price in platform's internal price format
ask	uint64	Optional	Ask price in platform's internal price format
fractionalSize	uint32	Optional	Value of fractional part of volume (size) in cents (e.g. 1000.20 = 20)

ProtoDynamicCommission

Field	Type	Label	Description
monthlyVolume	int64	Required	Monthly trading volume threshold in USD cents that triggers this commission tier
discount	int64	Required	Discount percentage applied to commission when monthly volume exceeds the threshold, multiplied by 10^6

ProtoDynamicLeverage

Dynamic Leverage <<https://help.ctrader.com>

ctrader.

com/trading-with-ctrader/dynamic-leverage>

Field	Type	Label	Description
leverageld	int64	Required	unique identifier returned in ProtoSymbol by ProtoGetSymbolReq
name	string	Required	Leverage ratio
description	string	Optional	Symbol category or leverage ratio
tiers	RepeatedField<ProtoDynamicLeverageTier>	Repeated	Tier of Dynamic Leverage
utcLastUpdateTimestamp	int64	Optional	UNIX timestamp in milliseconds when record was updated

ProtoDynamicLeverageTier

Dynamic Leverage tier entity

Field	Type	Label	Description
volume	int64	Required	Maximum position size in USD for this tier; when position size exceeds this value, the next tier's leverage applies

leverage	int32	Required	Leverage ratio for this tier expressed in hundredths (e.g., 1000 = 1:10, 2000 = 1:20)
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ProtoExecutionType

Execution type ENUM

Name	Value	Description
ORDER_ACCEPTED	2	Sent when order is accepted by server, and initial validations passed
ORDER_FILLED	3	Sent when order is filled - could be opening new position, closing existing position, changing volume or direction of the position
ORDER_REPLACED	4	Sent when existing order was amended - in most cases, due to changes in pending orders (price, side, TIF)
ORDER_CANCELLED	5	Sent when order is cancelled - in case of incomplete fill, or due to client request for pending orders
ORDER_EXPIRED	6	Sent when order with ProtoTimeInForce = GOOD_TILL_DATE has expired

ORDER_REJECTED	7	Sent when order is rejected due to validation failure or market conditions
ORDER_CANCEL_REJECTED	8	Sent when we can't cancel order (for example, it has already been sent to LP for execution and is currently being processed)
SWAP	9	Sent when swap is charged or credited
DEPOSIT_WITHDRAW	10	Sent when funds are deposited to or withdrawn from the account
ORDER_PARTIAL_FILL	11	Sent when order is partially filled with some volume remaining
BONUS_DEPOSIT_WITHDRAW	12	Sent when bonus funds are added to or removed from the account

ProtoFuturesSettings

Field	Type	Label	Description
dateTimeZone	string	Required	Time zone used for futures dates calculation

lastTradeTimestampInMinutes	uint32	Required	In order to get epoch time in milliseconds should be multiplied by 60000. We do not need millisecond granularity, so decided to optimize a little bit like into ProtoTrendbar
expirationTimestampInMinutes	uint32	Required	In order to get epoch time in milliseconds should be multiplied by 60000. We do not need millisecond granularity, so decided to optimize a little bit like into ProtoTrendbar
maintenanceMargin	int64	Optional	Amount of quote Asset per 1 traded lot. 1 protocol value always equal to 0.00000001. If not NULL, then must be >0

ProtoGroup

Field	Type	Label	Description
groupId	int64	Required	Unique identifier for the trader group
name	string	Optional	Display name of the group
enabled	bool	Optional	If TRUE, the group is active and can be used
swapEnabled	bool	Optional	If TRUE, swap charges are applied to positions held overnight

swapAndDividendProfileId	int64	Optional	ID reference to the swap and dividend profile applied to this group
marginStopout	double	Optional	Margin level percentage at which positions will be automatically closed
description	string	Optional	Detailed description of the group's purpose and settings
utcLastUpdateTimeStamp	int64	Optional	Timestamp of the last update to this group's settings
priceStreamId	int64	Optional	ID reference to the price stream used for this group
deleted	bool	Optional	If TRUE, the group is marked as deleted but retained for historical purposes
hasAccess	bool	Optional	Indicates if the current user has access to this group
symbol	RepeatedField<ProtoGroupSymbol>	Repeated	List of trading symbols available to this group
dynamicCommission	RepeatedField<ProtoDynamicCommission>	Repeated	Volume-based commission tiers for this group

bonusConversionRate	int64	Optional	Rate at which bonuses are converted to real balance
bonusConvertLots	bool	Optional	If TRUE, bonuses are converted based on trading volume in lots
bonusConversionRateLots	int64	Optional	Rate at which bonuses are converted based on traded lots
isDealingDesk	bool	Optional	If TRUE then orders in this group are executed manually according to Dealing Desk rules and Max Auto Execution Size Profile.
maxAutoExecutionSizeProfileId	int64	Optional	ID reference to the profile defining maximum order sizes for automatic execution
blockedChannels	string	Optional	Contains semicolon(;-)separated list of channels that should be blocked for trading (examples: "cTrader Copy", "cBot Cloud", "cTrader Web"). If new order request contains channel from the list, it will be rejected with error CHANNEL_IS_BLOCKED "Operations through current channel is blocked by your Broker". If manager specifies "openAPI", then all trades related to Open API will be rejected.
fairStopOut	bool	Optional	If TRUE - Position is fully closed on Stop Out, if FALSE - smart (partial closing) Stop Out is applied. ProtoTrader.fairStopOut overrides this setting for the Trader. If ProtoTrader.fairStopOut is not specified then ProtoGroup.fairStopOut is used.

regionId	int64	Optional	Internal usage only. Logic is on CID side.
copyDisabled	bool	Optional	If TRUE then trader's of the Group are unable to create sub-accounts (ProtoCreateSubAccountReq and InternalCreateSubAccountReq).
stopoutDisabled	bool	Optional	If TRUE then account is not checked for breaching Stop-Out level
inactivityGracePeriod	int32	Optional	Grace period in days during which an inactivity fee is not charged for an account since last filled deal's execution_timestamp. If 0 then inactivity fee is charged immediately after grace period ends.
inactivityChargePeriod	int32	Optional	Period in days after which an inactivity fee is charged. If 0 then inactivity fee is not charged.
inactivityFeeAmount	int32	Optional	Inactivity fee amount in cents, specified in USD and converted to Deposit CCY of an account. Operations of charging Inactivity fee appear with description=externalNote=Inactivity fee.
copyProvidingDisabled	bool	Optional	If TRUE then traders of the group are unable to become copy provider. Logic is on JM side
legalEntityId	int64	Optional	Identifies reporting Legal Entity for all Traders in the Group

disablePasswordLogin	bool	Optional	Primary used to disable FIX API login
allowWorseGSL	bool	Optional	Allows to increase risk for Positions with Guaranteed Stop Loss
isFakeSpreadBetting	bool	Optional	Needed for UI in order to understand that they must show normal CFD account as Spread-betting and show "stakes" everywhere
negativeBalanceProtection	bool	Optional	If TRUE accounts with no positions and negative balance in this group will have additional balance operation to make their balance = 0 in case their balance becomes negative. Such operations will appear with description=externalNote=Negative Balance Protection.
allowTraderChangeSO	bool	Optional	If FALSE trader can not change their Stop Out strategy. Null value in ProtoCrudGroupReq is interpreted as keeping the current value of allowTraderChangeSO
sharedAccessEnabled	bool	Optional	If true, it will be permitted to share access to the Accounts belonging to the Group with other cTrader users
stopOutStrategy	ProtoStopOutStrategy	Optional	The Stop Out strategy that is used when a Stop Out strategy is not selected for a Trader entity

negativeBalanceProtectionLimitUsd	int32	Optional	If the account balance is lower than negativeBalanceProtectionLimitUsd, then negativeBalanceProtection is not applied and the operation of type BALANCE_DEPOSIT_NEGATIVE_BALANCE_PROTECTION, which sets the balance to 0, is not executed. If negativeBalanceProtection<>TRUE then negativeBalanceProtectionLimitUsd will be set to unspecified
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ProtoGroupSymbol

Field	Type	Label	Description
symbolId	int64	Required	Unique identifier for the trading symbol
enabled	bool	Required	If TRUE, then this symbol is available for end trader and will be send in symbol list responses. Otherwise we act like this symbol doesn't exist
leverageId	uint64	Optional	ID of related Dynamic Leverage Profile.
gslScheduleId	uint64	Optional	ID of related GSL Schedule Profile.
commissionProfileId	int64	Optional	ID of related Commission Profile.

volumeProfileId	int64	Optional	ID of related Volume Profile.
executionProfileId	int64	Optional	ID of related Execution Profile.
protectionProfileId	int64	Optional	ID of related Protection Profile.
swapFreeProfileId	int64	Optional	ID of related Swap Free Profile.
tradeNotificationProfileId	int64	Optional	ID of related Trade Notification Profile.

ProtoHoliday

Field	Type	Label	Description
holidayId	int64	Required	Unique identifier for the holiday entry
name	string	Required	Display name of the holiday

description	string	Optional	Detailed description of the holiday
scheduleTimeZone	string	Required	Time zone for the holiday schedule
holidayDate	int64	Required	EpochMillis / 86400000 (ms * sec * min * hours)
isRecurring	bool	Required	If TRUE, the holiday repeats annually
startSecond	int32	Optional	Amount of seconds from 00:00:00 of the holiday day when holiday actually starts
endSecond	int32	Optional	Amount of seconds from 00:00:00 of the holiday day when holiday actually finished

ProtoIbCommissionSymbolCategory

Field	Type	Label	Description
symbolCategoryId	int64	Required	Unique identifier for a category of trading symbols

introducingBrokerCommissionRate	int32	Required	Commission rate paid to the introducing broker for trades in this category
pocketCommissionRate	int32	Required	Commission rate paid to the trader's pocket account for trades in this category
pocketMarkupRate	int32	Required	Markup rate applied to trades in this category for the pocket account
ibCommissionsType	ProtoCommissionType	Required	Type of commission calculation used for IB commissions in this category

ProtoInterval

Represents time frame of symbol session

Field	Type	Label	Description
startSecond	uint32	Required	Seconds from the beginning of Sunday 00:00:00
endSecond	uint32	Required	Seconds from the beginning of Sunday 00:00:00
isGlobalSessionStart	bool	Optional	If TRUE then session start is considered as a start of the Global session. Used for MOO desired timestamp validation

isGlobalSessionEnd	bool	Optional	If TRUE then session end is considered as end of the Global session. spotEvent.sessionClose,high,low will be generated
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ProtoLightClosePositionDetail

Field	Type	Label	Description
entryPrice	double	Required	Position price, based on vwap of all open deals that link to this position, at the moment of filling the closing order
profit	int64	Required	Gross realized profit related to the closing of offset part of opening deals
swap	int64	Required	Realized swap
commission	int64	Required	Realized commission
balance	int64	Required	Resulted trader's balance following closing deal execution
quoteToDepositConversionRate	double	Optional	Rate on the moment when the closing deal was sent execution

closedVolume	int64	Optional	Volume that was closed in this operation in cents
balanceVersion	int64	Optional	Version number for tracking balance changes
introducingBrokerCommission	int64	Optional	Commission paid to introducing broker in cents
mirroringCommission	int64	Optional	Commission for copy trading in deposit currency cents
minEquity	int64	Optional	Minimum Equity value starting from the last previous balance history operation and before applying close position balance history operation
maxEquity	int64	Optional	Maximum Equity value starting from the last previous balance history operation and before applying close position balance history operation
closedStake	int64	Optional	Used for SB accounts. Closed volume in stake cents.
moneyDigits	uint32	Optional	Number of decimal places for monetary values

pnlConversionFee	int64	Optional	This is actual fee, applied to the Deal in account's ccy
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ProtoLightOffsetDeal

Field	Type	Label	Description
dealId	int64	Required	Unique identifier for the offset deal
filledVolume	int64	Required	Actual volume filled in this offset deal in cents
executionTimestamp	int64	Required	Timestamp when the offset deal was executed
executionPrice	double	Optional	Price at which the offset deal was executed
stake	uint64	Optional	Stake amount for spread betting accounts

ProtoLightSymbol

Field	Type	Label	Description
id	int64	Required	Unique identifier for the trading symbol
symbolCategoryId	int64	Required	Category identifier for grouping related symbols
sortingNumber	double	Required	Number used for sorting symbols in lists and displays
name	string	Optional	Display name of the symbol (e.g. "EURUSD")
description	string	Optional	Human-readable description of the symbol
tags	string	Optional	Comma-separated list of tags for categorizing and filtering symbols
favorite	bool	Optional	Indicates if the symbol is marked as favorite for the user
enabled	bool	Optional	Indicates if trading is enabled for this symbol

baseAssetId	int64	Optional	ID of the base asset (first currency in a pair or the actual asset)
quoteAssetId	int64	Optional	ID of the quote asset (second currency in a pair or the pricing currency)
translation	string	Optional	Localized name of the symbol in the user's language
unifiedSymbolId	int32	Optional	Cross-broker identifier for the same instrument

ProtoLimitedRiskMarginCalculationStrategy

Name	Value	Description
ACCORDING_TO_LEVERAGE	0	Calculates margin based on account leverage settings only
ACCORDING_TO_GSL	1	Calculates margin based on Guaranteed Stop Loss level only
ACCORDING_TO_GSL_AND_LEVERAGE	2	Combines both leverage and Guaranteed Stop Loss for margin calculation

ProtoLocalization

Field	Type	Label	Description
locale	string	Required	Language and region code in ISO format
title	string	Required	Localized text for the title in the specified locale

ProtoMinCommissionType

Name	Value	Description
CURRENCY	1	Uses the account's deposit currency for minimum commission
QUOTE_CURRENCY	2	Uses the symbol's quote currency for minimum commission

ProtoOrder

Field	Type	Label	Description
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orderId	int64	Required	Unique identifier for the order
tradeData	ProtoTradeData	Required	Trade data associated with this order
orderType	ProtoOrderType	Required	Type of order (market, limit, stop, etc.)
orderStatus	ProtoOrderStatus	Required	Current status of the order (created, filled, rejected, etc.)
expirationTimestamp	int64	Optional	Timestamp when the order expires if not executed
executionPrice	double	Optional	Price at which an order was executed
executedVolume	int64	Optional	Volume that has been executed from the total order volume
stopLoss	double	Optional	Value set from ProtoClosePositionDetail for closing market orders
takeProfit	double	Optional	Value set from ProtoClosePositionDetail for closing market orders

utcLastUpdateTime stamp	int64	Optional	Timestamp of the last update to this order
bookType	ProtoBookType	Optional	Type of order book used for execution
method	string	Optional	quickTrade button, Order screen, Chart trading, etc.
baseSlippagePrice	double	Optional	Base price used for slippage calculation
closingOrder	bool	Optional	If TRUE, this order is closing an existing position
limitPrice	double	Optional	Price at which a limit order will be executed
stopPrice	double	Optional	Price at which a stop order will be triggered
clientOrderId	string	Optional	Optional clientOrderId. Max Length = 50 chars.
commission	int64	Optional	Trading commission charged in deposit currency cents

clientToken	string	Optional	Optional clientToken. Max Length = 100 chars.
timeInForce	ProtoTimeInForce	Optional	Specifies how long the order remains active
positionId	int64	Optional	ID of the position this order is associated with
relativeStopLoss	int64	Optional	Relative stop loss level in points or percentage
relativeTakeProfit	int64	Optional	Relative take profit level in points or percentage
introducingBrokerCommission	int64	Optional	Commission paid to introducing broker in cents
pocketCommission	int64	Optional	Commission paid to trader's pocket account in cents
pocketMarkup	int64	Optional	Markup applied to trader's pocket account in cents
mirroringCommission	int64	Optional	Commission for copy trading in deposit currency cents

originalClientOrderId	string	Optional	Original client order ID for modified orders
checkTolerance	bool	Optional	If TRUE, execution price is checked against tolerance
login	int64	Optional	Trader login associated with this order
name	string	Optional	First name of the trader who placed the order
lastName	string	Optional	Last name of the trader who placed the order
isStopOut	bool	Optional	If TRUE, this order was triggered by a stop out
trailingStopLoss	bool	Optional	If TRUE, stop loss adjusts automatically as price moves favorably
closeWithPID	int64	Optional	Position ID to close with this order
stopTriggerMethod	ProtoOrderTriggerMethod	Optional	Trigger method for main pending order

stopLossTriggerMethod	ProtoOrderTriggerMethod	Optional	Stop trigger method for SL/TP order
slippageInPoints	int32	Optional	Maximum allowed slippage in price points
desiredOpenTimestamp	int64	Optional	Desired timestamp for order opening
ocoOrderId	int64	Optional	ID of related one-cancels-other order
moneyDigits	uint32	Optional	Number of decimal places for monetary values

ProtoOrderStatus

Name	Value	Description
ORDER_STATUS_CREATED	0	Order has been created in the system but not yet processed
ORDER_STATUS_ACCEPTED	1	Order has been accepted by the system and is active

ORDER_STATUS_FILLED	2	Order has been fully executed
ORDER_STATUS_REJECTED	3	Order has been rejected by the system
ORDER_STATUS_EXPIRED	4	Order has reached its expiration time and is no longer active
ORDER_STATUS_CANCELLED	5	Order has been cancelled by the trader or system
ORDER_STATUS_RESERVED	6	Order status reserved for future use

ProtoOrderTriggerMethod

Name	Value	Description
TRADE	1	Triggered by a trade price that crosses the trigger level
OPPOSITE	2	Triggered by a price from the opposite side (bid for buy stop, ask for sell stop)

DOUBLE_TRADE	3	Requires two consecutive trade prices to cross the trigger level
DOUBLE_OPPOSITE	4	Requires two consecutive opposite prices to cross the trigger level

ProtoOrderType

Name	Value	Description
MARKET	1	Executes immediately at the current market price
LIMIT	2	Executes at specified price or better
STOP	3	Becomes market order when price reaches specified level
STOP_LOSS_TAKE_PROFIT	4	Used to modify or place SL/TP on an existing position
MARKET_RANGE	5	Market order with allowed price range
STOP_LIMIT	6	Places a limit order when stop price is reached

ProtoPosition

Field	Type	Label	Description
positionId	int64	Required	Unique identifier for the position
tradeData	ProtoTradeData	Required	Trade data associated with this position
positionStatus	ProtoPositionStatus	Required	Current status of the position (open, closed, etc.)
swap	int64	Required	Accumulated swap charges/credits in deposit currency cents
price	double	Optional	wap price shown as entry price in cTrader
stopLoss	double	Optional	Price level at which position will be closed to limit losses
takeProfit	double	Optional	Price level at which position will be closed to secure profits
utcLastUpdateTime stamp	int64	Optional	Timestamp of the last update to this position

bookType	ProtoBookType	Optional	Type of order book used for execution
commission	int64	Optional	Trading commission charged in deposit currency cents
marginRate	double	Optional	Rate used to calculate required margin for this position
introducingBrokerCommission	int64	Optional	Commission paid to introducing broker in cents
pocketCommission	int64	Optional	Commission paid to trader's pocket account in cents
pocketMarkup	int64	Optional	Markup applied to trader's pocket account in cents
mirroringCommission	int64	Optional	Commission for copy trading in deposit currency cents
guaranteedStopLoss	bool	Optional	If TRUE, stop loss is guaranteed at exact price level
usedMargin	uint64	Optional	Amount of margin required to maintain this position

trailingStopLoss	bool	Optional	If TRUE, stop loss adjusts automatically as price moves favorably
stopLossTriggerMethod	ProtoOrderTriggerMethod	Optional	Stop trigger method for SL/TP order
moneyDigits	uint32	Optional	Number of decimal places for monetary values
pnlConversionFeeRate	int32	Optional	Fee rate for converting profit/loss to deposit currency

ProtoPositionStatus

Describes position status

Name	Value	Description
POSITION_STATUS_OPEN	1	Position is currently active in the market
POSITION_STATUS_CLOSED	2	Position has been closed and is no longer active
POSITION_STATUS_CREATED	3	Position has been created but not yet opened in the market

POSITION_STATUS_ERROR	4	An error occurred during position processing
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ProtoStopOutStrategy

The strategy for choosing which Position to close during a Stop Out

Name	Value	Description
MOST_MARGIN_USED_FIRST	0	A Stop Out strategy that closes a Position with the largest Used Margin
MOST_LOSING_FIRST	1	A Stop Out strategy that closes a Position with the least PnL

ProtoSwapCalculationType

Name	Value	Description
PIPS	0	Specifies type of SWAP computation as PIPS (0): $\text{swap} = (\text{volume} * \text{swapInPips}) / (10^{\wedge} \text{Symbol.pipPosition}) * \text{dayOfWeekMultiplier} * \text{quoteToDeposit}$, round HALF_UP

PERCENTAGE	1	Specifies type of SWAP computation as PERCENTAGE (1, annual, in percent): $\text{swap} = (\text{volume} * \text{bid} * \text{swapInPips} / 100 / 365) * \text{dayOfWeekMultiplier} * \text{quoteToDeposit}$, round HALF_UP, for Spread-Betting accounts: $\text{swap} = \text{stake} * \text{swapInPips}$, round HALF_UP
POINTS	2	Specifies type of SWAP computation as POINTS (2): $\text{swap} = (\text{volume} * \text{swapInPips}) / (10 ^ \text{Symbol.digits}) * \text{dayOfWeekMultiplier} * \text{quoteToDeposit}$, round HALF_UP

ProtoSymbol

Field	Type	Label	Description
symbolId	int64	Required	Unique identifier for the trading symbol
name	string	Required	Display name of the symbol (e.g., "EURUSD", "GOLD")
digits	int32	Required	Number of decimal places displayed in the symbol's price
pipPosition	int32	Required	Position of the pip decimal place (e.g., 4 for forex meaning 0.0001 is one pip)
lpEnabled	bool	Optional	If TRUE, the symbol is enabled and subscribed with the liquidity provider

enabled	bool	Optional	If TRUE, the symbol is enabled for trading on the platform
swapRollover3Days	ProtoDayOfWeek	Optional	Day of the week when SWAP charge amount will be tripled. Doesn't impact rollover commission
swapLong	double	Optional	Swap rate in pips per 100K for long positions held overnight
swapShort	double	Optional	Swap rate in pips per 100K for short positions held overnight
description	string	Optional	description
utcLastUpdateTimeStamp	int64	Optional	Timestamp of the last update to this symbol's settings
maxVolume	int64	Optional	In cents. Maximum allowed volume in cents for an order with a symbol. Excludes closePosition orders
minVolume	int64	Optional	In cents. Minimum allowed volume in cents for an order with a symbol. Excludes closePosition orders

schedule	RepeatedField<ProtoInterval>	Repeated	Trading schedule defining when the symbol can be traded
sortingNumber	double	Optional	Number used for sorting symbols in lists and displays
measurementUnits	string	Optional	OZ (ounces), BBL (barrels), BTU (British thermal units)
lotSize	int64	Optional	Standard lot size in cents for the symbol
enableShortSelling	bool	Optional	If TRUE, selling without owning the asset is allowed
internalAlias	string	Optional	Symbol alias used for technical purposes
symbolCategoryId	int64	Optional	Identifier for the category to which the symbol belongs (e.g., Forex, Indices, Commodities)
favorite	bool	Optional	If TRUE, the symbol is marked as a favorite for the user
tolerance	int32	Optional	Allowed deviation in points from requested price for order execution

minStake	int64	Optional	minimal stake in cents. Minimal - 1
maxStake	int64	Optional	maximal stake in cents. Default - 10000000
guaranteedStopLoss	bool	Optional	Whether this symbol is allowed to have guaranteed stop loss orders.
commissionType	ProtoCommissionType	Optional	
slDistance	uint32	Optional	Minimum distance in points required between current price and stop loss level
tpDistance	uint32	Optional	Minimum distance in points required between current price and take profit level
gslDistance	uint32	Optional	Minimum distance in points required between current price and guaranteed stop loss level
gslCharge	int64	Optional	Fee charged when a guaranteed stop loss is triggered, in deposit currency cents
tags	string	Optional	Comma-separated list of tags for categorizing and filtering symbols

minCommissionType	ProtoMinCommissionType	Optional	
minCommissionAsset	string	Optional	
baseAssetId	int64	Optional	ID of the base asset (first currency in a pair or the actual asset)
quoteAssetId	int64	Optional	ID of the quote asset (second currency in a pair or the pricing currency)
stepVolume	int64	Optional	Minimum volume increment allowed for orders in cents
stepStake	int64	Optional	Minimum stake increment allowed for spread betting orders in cents
maxExposure	uint64	Optional	Maximum allowed exposure in USD cents per combination of symbol and account
rolloverCommission	int64	Optional	Administrative Fee, charged instead of Swaps if the Account is marked as a "Shariah Compliant (Swap Free)". The Administrative Fee is charged daily as USD per current open volume of Position in lots. The Account charged in the Deposit currency.

skipRolloverDays	int32	Optional	defer rolloverCommission by skipRolloverDays, accounts weekends
leverageId	int64	Optional	ID of the dynamic leverage profile applied to this symbol
scheduleTimeZone	string	Optional	Time zone used for the symbol's trading schedule
gslScheduleId	int64	Optional	ID of the guaranteed stop loss schedule profile applied to this symbol
tradingMode	ProtoTradingMode	Optional	
distanceSetIn	ProtoSymbolDistanceType	Optional	
translation	RepeatedField<ProtoLocalization>	Repeated	
rolloverChargePeriod	int32	Optional	Payment period of rolloverCommission in days (default = 1). 1 (or 0) means daily payments, 2 each second day. 3x rollover is applied only for daily payments

rolloverCommission3Days	ProtoDayOfWeek	Optional	Day of the week (in UTC) when Administrative Fee charge amount will be tripled. Applied only if rollover charge period = 0 or 1
swapCalculationType	ProtoSwapCalculationType	Optional	Specifies type of SWAP computation
autochartistAlias	string	Optional	Symbol alias used for Autochartist pattern recognition integration
tradingCentralAliases	string	Optional	Symbol alias used for Trading Central analysis integration
unifiedSymbolId	int32	Optional	Cross-broker identifier for the same instrument
holiday	RepeatedField<ProtoHoliday>	Repeated	
preciseTradingCommissionRate	int64	Optional	Trading commission rate with higher precision, in platform's internal format
preciseMinCommission	int64	Optional	Minimum commission amount with higher precision, in platform's internal format

bbspAlias	string	Optional	Symbol alias used for Bloomberg Best Sell Price integration
pnlConversionFeeRate	int32	Optional	Fee rate applied when converting profit/loss to deposit currency, percentage value where 1 = 0.01%
futuresSettings	ProtoFuturesSettings	Optional	
swapTime	int32	Optional	Time of day in seconds from midnight when swap charges are applied
swapPeriod	int32	Optional	Period in days between swap charges (default is 1 for daily charges)
skipSWAPPeriods	int32	Optional	Number of swap periods to skip before first charges
chargeSwapAtWeekends	bool	Optional	If TRUE, swap charges are applied on weekends
lastManualChartInvalidateTimestamp	int64	Optional	Timestamp of last manual update of charts

ProtoSymbolDistanceType

Name	Value	Description
SYMBOL_DISTANCE_IN_POINTS	1	Distances measured in price points
SYMBOL_DISTANCE_IN_PERCENTAGE	2	Distances measured as percentage of current price

ProtoTickbar

Field	Type	Label	Description
period	ProtoTickbar Period	Optional	Tick aggregation period setting, default value handles .Net protobuf generator bug
low	uint64	Required	Lowest price for the tick period in platform's internal price format
deltaOpen	uint64	Required	Delta between open and low price in platform's internal price format
deltaClose	uint64	Optional	Delta between close and low price in platform's internal price format

deltaHigh	uint64	Required	Delta between high and low price in platform's internal price format
createTimestamp	uint64	Required	Creation timestamp in milliseconds since epoch
volume	uint32	Optional	Number of ticks in the bar

ProtoTickbarPeriod

Name	Value	Description
T2	2	Chart based on 2 ticks
T3	3	Chart based on 3 ticks
T4	4	Chart based on 4 ticks
T5	5	Chart based on 5 ticks

T6	6	Chart based on 6 ticks
T7	7	Chart based on 7 ticks
T8	8	Chart based on 8 ticks
T9	9	Chart based on 9 ticks
T10	10	Chart based on 10 ticks
T15	15	Chart based on 15 ticks
T20	20	Chart based on 20 ticks
T25	25	Chart based on 25 ticks
T30	30	Chart based on 30 ticks
T40	40	Chart based on 40 ticks

T50	50	Chart based on 50 ticks
T60	60	Chart based on 60 ticks
T80	80	Chart based on 80 ticks
T90	90	Chart based on 90 ticks
T100	100	Chart based on 100 ticks
T150	150	Chart based on 150 ticks
T200	200	Chart based on 200 ticks
T250	250	Chart based on 250 ticks
T300	300	Chart based on 300 ticks
T500	500	Chart based on 500 ticks

T750	750	Chart based on 750 ticks
T1000	1000	Chart based on 1000 ticks

ProtoTimeInForce

Name	Value	Description
GOOD_TILL_DATE	1	Order remains active until a specified date and time
GOOD_TILL_CANCEL	2	Order remains active until explicitly cancelled
IMMEDIATE_OR_CANCEL	3	Executes immediately, partially or completely, and cancels any unfilled portion
FILL_OR_KILL	4	Executes immediately and completely or not at all
MARKET_ON_OPEN	5	Executes at the market's opening price

ProtoTotalMarginCalculationType

Name	Value	Description
MAX	0	Takes the maximum margin requirement from all positions
SUM	1	Adds up the margin requirements from all positions
NET	2	Calculates margin based on net exposure across all positions

ProtoTradeData

Represents a trade position related to specific order or position

Field	Type	Label	Description
symbolId	int64	Required	The unique identifier of the Symbol in specific server environment within cTrader platform
volume	int64	Required	Volume in cents
tradeSide	ProtoTradeSide	Required	Buy, Sell

traderId	int64	Optional	ID of the Trader
openTimestamp	int64	Optional	UNIX timestamp in milliseconds when Position was opened or Order was created
closeTimestamp	int64	Optional	UNIX timestamp in milliseconds when Position was closed
label	string	Optional	Text label specified during Order request. Used by cAlgo bots to identify its own orders. max length 100
comment	string	Optional	Comment specified during Order request. max length 512
channel	string	Optional	Channel specified during Order request. max length 100. For Open API client has prefix "OpenAPI_"
measurementUnits	string	Optional	Measurement units for Symbol
lotSize	int64	Optional	Lot size of the Symbol (in cents)
spreadBetting	bool	Optional	TRUE for Spread Betting entities

stake	int64	Optional	Stake for Spread Betting
desiredVWAP	double	Optional	Price desired by the client as an execution price. Used if checkTolerance = TRUE and for Book B
guaranteedStop Loss	bool	Optional	If TRUE then Position/Order Stop Loss is Guaranteed Stop Loss (GSL). Required for the Limited Risk accounts (ProtoTrader.isLimitedRisk=true).

ProtoTrader

Field	Type	Label	Description
traderId	int64	Required	Unique identifier for the trader
login	int64	Required	Login credential for the trader's account
groupId	int64	Required	Reference to the trader group to which this trader belongs
balance	int64	Required	Current account balance in cents

accountType	ProtoAccountType	Optional	Type of account determining position management behavior
name	string	Optional	First name of the trader
passwordHash	string	Optional	Hashed password for account security
description	string	Optional	Additional notes or description about the trader
status	string	Optional	Current status of the trader account
countryId	int64	Optional	Reference to the country of residence
state	string	Optional	State or province of residence
city	string	Optional	City of residence
address	string	Optional	Street address
zipCode	string	Optional	Postal or ZIP code

phone	string	Optional	Contact phone number
phonePassword	string	Optional	Password used for phone verification
email	string	Optional	Contact email address
documentId	string	Optional	SSN (IRD)
registrationTimestamp	int64	Optional	Timestamp when the trader account was registered
lastConnectTimestamp	int64	Optional	Timestamp of the last connection to the platform
online	bool	Optional	If TRUE, the trader is currently online and connected
utcLastUpdateTimestamp	int64	Optional	Timestamp of the last update to this trader record
deleted	bool	Optional	if TRUE then account is deleted

balanceVersion	int64	Optional	Version number for tracking balance changes
introducingBroker	bool	Optional	If TRUE, this trader account is an introducing broker
parentIntroducingBrokerIdIsNull	bool	Optional	If TRUE, this trader has no parent introducing broker
parentIntroducingBrokerId	int64	Optional	ID of the parent introducing broker if applicable
introducingBrokerCommissionRate	int32	Optional	Commission rate paid to this trader as an introducing broker
pocketCommissionRate	int32	Optional	Commission rate paid to this trader's pocket account
pocketMarkupRate	int32	Optional	Markup rate applied to this trader's pocket account
defaultIntroducingBrokerCommissionRate	int32	Optional	Default commission rate for introducing brokers

defaultPocketCommissionRate	int32	Optional	Default commission rate for pocket accounts
defaultPocketMarkupRate	int32	Optional	Default markup rate for pocket accounts
defaultRebateRate	int32	Optional	Default rebate rate for trading activity
defaultIbCommissionsType	ProtoCommissionType	Optional	Default commission type for introducing brokers
ibCommissionsType	ProtoCommissionType	Optional	Commission type used for this introducing broker
managerBonus	int64	Optional	Bonus amount added by account manager in cents
ibBonus	int64	Optional	Bonus amount added by introducing broker in cents
showPersonalData	bool	Optional	If TRUE, personal data is visible to broker management
splitRevenue	bool	Optional	If TRUE, revenue is split with parent introducing broker

rankIdsIsNull	bool	Optional	If TRUE, this trader has no rank assigned
rankId	int32	Optional	ID of the rank level assigned to this trader
hasRank	bool	Optional	If TRUE, this trader has a rank assigned
rank	RepeatedField<ProtoTraderRank>	Repeated	List of ranks available to this trader
lastName	string	Optional	Last name of the trader
defaultSplitRevenue	bool	Optional	Default setting for revenue splitting
accessRights	ProtoAccessRights	Optional	Level of account access permissions
sendOwnStatement	bool	Optional	If TRUE, statements are sent to the trader's email
depositAssetId	int64	Optional	Required field. Refers to deposit CCY of the account

swapFree	bool	Optional	If TRUE then rolloverCommission is applied instead of swap
nonWithdrawable Bonus	int64	Optional	Current amount of Credit available for trader. Can be used for trading but cannot be withdrawn.
leverageInCents	uint32	Optional	Account leverage multiplied by 100 (e.g. 500 = 5:1)
moveToIBGroup	bool	Optional	If TRUE, trader will be moved to IB group when becoming an IB
totalMarginCalculationType	ProtoTotalMarginCalculationType	Optional	Method used to calculate total margin requirement
brokerName	string	Optional	Name of the broker this trader account belongs to
maxLeverage	uint32	Optional	Maximum allowed leverage for this account
freeTrades	bool	Optional	If TRUE, no commission is charged for trades
strategyProviderId	int64	Optional	ID of the strategy provider if this is a copy trading account

version	int64	Optional	Version number for tracking account changes
subAccountOf	int64	Optional	Not null for sub-accounts.
maxNOP	uint32	Optional	Value = 1 equal to 0.01%
disablePasswordLogin	bool	Optional	Primary used to disable FIX API login
isLimitedRisk	bool	Optional	If TRUE, account has limited risk features enabled
limitedRiskMarginCalculationStrategy	ProtoLimitedRiskMarginCalculationStrategy	Optional	Strategy used for calculating margin on limited risk accounts
moneyDigits	uint32	Optional	Number of decimal places for monetary values
managementFee	int64	Optional	Management fee for copy trading in cents
sendStatementToBroker	bool	Optional	Enables sending EOD reports to secondary email specified in report's settings

defaultIbCommissionSymbolCategory	RepeatedField<ProtoIbCommissionSymbolCategory>	Repeated	Will be copied into IB's clients upon linking
ibCommissionSymbolCategory	RepeatedField<ProtoIbCommissionSymbolCategory>	Repeated	Used to override IB commissions according to symbol categories
fairStopOut	bool	Optional	If TRUE - Position is fully closed on Stop Out regardless of ProtoGroup.fairStopOut, if FALSE - smart (partial closing) Stop Out is applied, if unspecified - Stop Out format is determined by ProtoGroup.fairStopOut
strategyProviderName	string	Optional	Name of the strategy provider if applicable
usedMargin	int64	Optional	Used Margin is filled only in trader connection
stopOutStrategy	ProtoStopOutStrategy	Optional	The Stop Out strategy that is used for this Trader. This value overrides the value specified at the Group level. The Trader can change the value in the cTrader UI if allowTraderChangeSO is not FALSE at the Group level
accountLifetimeType	ProtoAccountLifetimeType	Optional	Account expiration policy: "UNLIMITED", "LIMITED_CREATION", "LIMITED_INACTIVITY", "LIMITED_CREATION_FREE"

ProtoTraderRank

Field	Type	Label	Description
id	int32	Required	Unique identifier for the trader rank level
name	string	Required	Display name of the rank level
volume	int64	Required	Trading volume threshold in USD cents required to achieve this rank
parentIbPercentage	int32	Required	Percentage of commission shared with parent introducing broker at this rank
brokerPercentage	int32	Required	Percentage of commission retained by the broker for traders at this rank

ProtoTradeSide

Name	Value	Description
BUY	1	Long position - trader profits when price increases

SELL	2	Short position - trader profits when price decreases
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ProtoTradingMode

Name	Value	Description
ENABLED	0	Full Access. The symbol can be freely traded.
DISABLED_WITHOUT_PENDING_EXECUTION	1	Close Only. It is impossible to open new positions for this symbol. Any previously open positions can still be closed.
DISABLED_WITH_PENDING_EXECUTION	2	The symbol cannot be traded but any pending orders will still be executed.
CLOSE_ONLY_MODE	3	Fully Disallowed. The symbol cannot be traded; pending orders are automatically canceled.

ProtoTrendbar

Field	Type	Label	Description
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volume	int64	Required	Bar volume in ticks
period	ProtoTrendbarPeriod	Optional	Bar period. Default is set for handling .Net protobuf generator bug
low	int64	Optional	Lowest price for the period. Specified in 1/100000 of unit of a price. 107716 means 1.07716, 47452000 means 474.52.
deltaOpen	uint64	Optional	Delta between open and low price. Open = low + deltaOpen. Specified in 1/100000 of unit of a price. 107716 means 1.07716, 47452000 means 474.52.
deltaClose	uint64	Optional	Delta between close and low price. Close = low + deltaClose. Specified in 1/100000 of unit of a price. 107716 means 1.07716, 47452000 means 474.52.
deltaHigh	uint64	Optional	Delta between high and low price. High = low + deltaHigh. Specified in 1/100000 of unit of a price. 107716 means 1.07716, 47452000 means 474.52.
utcTimestampInMinutes	uint32	Optional	UNIX timestamp of the bar, in minutes. Equal to the timestamp of the opening of the bar (e.g. if first tick for H1 came at 12:24:12, then utcTimestampInMinutes = 12:00:00 for respective date)
utcLastUpdateTime	uint64	Optional	UNIX timestamp of the last update time in milliseconds. Present only in live bars subscription. Absent for historical bars.

ProtoTrendbarPeriod

Name	Value	Description
M1	1	1 minute chart period
M2	2	2 minute chart period
M3	3	3 minute chart period
M4	4	4 minute chart period
M5	5	5 minute chart period
M10	6	10 minute chart period
M15	7	15 minute chart period
M30	8	30 minute chart period
H1	9	1 hour chart period
H4	10	4 hour chart period

H12	11	12 hour chart period
D1	12	1 day chart period
W1	13	1 week chart period
MN1	14	1 month chart period