



XTS Frontend API Change Log



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Introduction

This document explains XTS Frontend API Version 2 changes in comparison to Version 1.

This document is for developers to compare fields in json request and implement changes quickly.

Major changes are in auth/Login and user/session endpoints. The username and password is done away with and AppKey and SecretKey are introduced. The response in result key will now include Token as well as userID, you need to assign this userID to a variable and use it for socket creation and other Get calls wherever required. Other major change is support for symbol name base pattern support in order placement and modification. Market data subscription API also supports symbol name based pattern.

Symbol Naming Pattern

Equities	FUTSTK	FUTIDX
NELCO-EQ	IOC20APRFUT	SPREAD: NIFTYIT20MAR20APRFUT (to be ignored for API)
		Monthly: BANKNIFTY19SEPFUT
SYMBOL+ - +EQ	Symbol+YY+MMM+"FUT"	

OPTSTK Monthly	OPTIDX Monthly	OPT Weekly
ADANIPTS20APR290CE	NIFTY21DEC8700PE	NIFTY204019900CE (note single digit month, 10=J,11=K,12=L)
Symbol+YY+MMM+SP+OPTTYPE	Symbol+YY+MMM+SP+OPTTYPE	Symbol+YY+M+DD+SP+OPTTYPE

Note: You can fetch instrument master from /instruments/master end-point once for entire day.

MarketData

Login:

- End Point – /auth/login
- UserId – Removed
- Password – Removed
- publicKey - Removed
- secretKey – Added
- appKey – Added
- source – optional

Logout:

- End Point – /auth/logout
- Method : DELETE
- Body : Removed
- Header token : authorization – Added

ClientConfig:

- End Point – /config/clientConfig
- Method : GET
- Header token : authorization – Added
- Response : Result - exchangeSegments, InstrumentType, xtsMessageCode, publishFormat, broadCastMode

GetOHLC:

- End Point – /instruments/ohlc
- Method : GET
- Header token : authorization – Added
- QueryString : exchangeSegment, exchangeInstrumentID, startTime, endTime, compressionValue
- Response: Remain

Index list: Added

- End Point – /instruments/indexlist
- Method : GET
- Header token : authorization – Added
- QueryString : exchangeSegment
- Response : exchangeSegment, indexListArray

Master: Added

- End Point – /instruments/master
- Method: POST
- Header content-type : application/json– Added
- Body : exchangeSegmentList
- Response : String

Quotes:

- End Point – /instruments/quotes
- Method : POST
- Header token : authorization – Added
- Header content-type : application/json– Added
- Body : instrumentList(exchangeSegment, exchangeInstrumentID), xtsMessageCode, publishFormat

- Response : mdp, quotesList, listQuotes

GetEquitySymbol: - Added

- End Point – instruments/instrument/symbol
- Method : GET
- Header token : authorization – Added
- Header content-type : application/json– Added
- QueryString : exchangeSegment, series, symbol
- Response : array of object (ExchangeSegment, ExchangeInstrumentID, InstrumentType, Name, DisplayName, Description, Series, NameWithSeries, InstrumentID, PriceBand, FreezeQty, TickSize, LotSize)

GetExpiryDate: - Added

- End Point – instruments/instrument/expiryDate
- Method : GET
- Header token : authorization – Added
- Header content-type : application/json– Added
- QueryString : exchangeSegment, series, symbol
- Response : array of String (Date)

GetFutureSymbol: - Added

- End Point – instruments/instrument/ futureSymbol
- Method : GET
- Header token : authorization – Added
- Header content-type : application/json– Added
- QueryString : exchangeSegment, series, symbol, expiryDate
- Response : array of object (ExchangeSegment, ExchangeInstrumentID, InstrumentType, Name, DisplayName, Description, Series, InstrumentID, PriceBand, FreezeQty, TickSize, LotSize, UnderlyingInstrumentId, UnderlyingIndexName, ContractExpiration, ContractExpirationString, RemainingExpiryDays)

GetOptionSymbol: - Added

- End Point – instruments/instrument/optionSymbol
- Method : GET
- Header token : authorization – Added
- Header content-type : application/json– Added
- QueryString : exchangeSegment, series, symbol, expiryDate, optionType, strikePrice
- Response : array of object (ExchangeSegment,ExchangeInstrumentID, InstrumentType, Name, DisplayName, Description, Series, InstrumentID, PriceBand, FreezeQty, TickSize, LotSize, UnderlyingInstrumentId, UnderlyingIndexName, ContractExpiration, ContractExpirationString, RemainingExpiryDays, StrikePrice, OptionType)

GetOptionType: - Added

- End Point – instruments/instrument/ optionType
- Method : GET
- Header token : authorization – Added
- Header content-type : application/json– Added
- QueryString : exchangeSegment, series, symbol, expiryDate
- Response : array of String

GetSeries: - Added

- End Point – instruments/instrument/ series
- Method : GET
- Header token : authorization – Added
- Header content-type : application/json– Added
- QueryString : exchangeSegment
- Response : array of String

Subscribe: Modified

- End Point – /instruments/subscription
- Method : Post
- Header token : authorization – Added
- Header content-type : application/json– Added
- Body : instrumentList(exchangeSegment, exchangeInstrumentID), xtsMessageCode
- userID – Removed
- clientID – Removed
- source – Removed
- marketDataPort – Removed
- Response : mdp, quotesList, listQuotes, Remaining_Subscription_Count

Unsubscribe: Modified

- End Point – /instruments/subscription
- Method : Put
- Header token : authorization – Added
- Header content-type : application/json– Added
- Body : instrumentList(exchangeSegment, exchangeInstrumentID) ,xtsMessageCode
- instrumentList(exchangeSegment, exchangeInstrumentID) Retain
- xtsMessageCode –Added
- userID – Removed
- clientID – Removed
- source – Removed
- marketDataPort – Removed (change to xtsMessageCode)
- Response : unsubList, xtsMessageCode

SearchInstrument:

- End Point – /search/instruments
- Method : GET
- Header token : authorization – Added
- QueryString : searchString and source(optional)
- QueryString : Removed - UserID
- Response : ArrayList[SearchInstrumnetResponse]

InstrumentByID:

- End Point – /search/instrumentsbyid
- Method : POST
- Header token : authorization – Added
- Body : Added - Source
- Body : Removed - UserID
- Response : ArrayList[SearchInstrumnetResponse]

Interactive:

Login:

- End Point – /user/session
- Method : Post
- Body : secretKey, appKey, source
- Header content-type : application/json– Added
- Response: enums, exchangeSegmentArray, token userID, isInvestorClient, appVersion

Logout:

- End Point – /user/session
- Method : DELETE
- Body : Removed
- Header token : authorization – Added
- Header content-type : application/json– Added

Balance:

- End Point – /user/balance
- Method: Get
- Header content-type : application/json– Added
- Header token : authorization – Added
- QueryString : ClientID – Optional
- Response: BalanceList

Profile: Modified

- End Point – /user/profile
- Method: Get
- Header content-type : application/json– Added
- Header token : authorization – Added
- Response: Object of Profile Response

MarketStatus: Added

- End Point – /status/exchange
- Method: Get
- Header content-type : application/json– Added
- Header token : authorization – Added
- QueryString : UserID
- Response: MarketStautsList

Holdings:

- End Point – /portfolio/holdings
- Method: Get
- Header content-type : application/json– Added
- Header token : authorization – Added
- QueryString : ClientID – Optional
- Response: RMSHoldingList

Positions: Modified

- End Point – /portfolio/positions
- Method: Get
- Header content-type : application/json–Added
- Header token : authorization – Added
- QueryString : dayOrNet change to **DayWise**
- Response: RMSHoldingList - > Object array

PositionConvert: Modified

- End Point – /portfolio/positions/convert
- Method: Put
- Header content-type : application/json–Added
- Header token : authorization – Added
- Body : appOrderID, executionID, oldProductType, newProductType – Removed
- Body : appOrderID, executionID – Removed
- Body : exchangeSegment, exchangeInstrumentID, targetQty, isDayWise,
- Response: Change entire

SquareOff: Modified

- End Point – /portfolio/squareoff
- Method: Put
- Header content-type : application/json–Added
- Header token : authorization – Added
- Body : exchangeSegment, exchangeInstrumentID, productType, squareoffMode, positionSquareOffQuantityType, squareOffQtyValue, blockOrderSending (Boolean), cancelOrders (Boolean)
- Body : "blockOrderSending" , "cancelOrders" : -Added
- Response: Object of (UserID, SquareOffmode, AccountID, ExchangeSegment, InstrumentID, RMSProductPositionSquareOffQuantityType, SquareOffQtyValue, SquareOffPriceValue, IsOperationSuccess)

TradeBook:

- End Point – /orders/trades
- Method: GET
- Header content-type : application/json–Added
- Header token : authorization – Added
- Response: List of tradeBook Object

OrderHistory:

- End Point – /orders
- Method: GET
- QueryString - appOrderID=2870513869
- Header content-type : application/json–Added
- Header token : authorization – Added
- Response: List of OrderHistoryObject

OrderBook:

- End Point – /orders
- Method: GET
- Header content-type : application/json–Added
- Header token : authorization – Added
- Response: List of OrderBookObject

PlaceExitCoverOrder: Fixed

- End Point – /orders/cover
- Method: PUT
- Header content-type : application/json–Added
- Header token : authorization – Added
- Response: List of OrderBookObject
- Body : AppOrderID

PlaceOrder:

- End Point – /orders
- Method: POST
- Header content-type : application/json–Added
- Header token : authorization – Added
- Body : exchangeSegment, exchangeInstrumentID, productType, orderType,orderSide, timeInForce, disclosedQuantity, orderQuantity, limitPrice, stopPrice, orderUniquelIdentifier
- Response: AppOrderID

PlaceCoverOrder:

- End Point – /orders/cover
- Method: POST
- Header content-type : application/json–Added
- Header token : authorization – Added
- Body : exchangeSegment, exchangeInstrumentID, orderSide, disclosedQuantity, orderQuantity, limitPrice, stopPrice, orderUniquelIdentifier
- Response: EntryAppOrderID, ExitAppOrderID

ModifyOrder:

- End Point – /orders
- Method: PUT
- Header content-type : application/json–Added
- Header token : authorization – Added
- Body : appOrderID, modifiedProductType, modifiedOrderType, modifiedOrderQuantity, modifiedDisclosedQuantity, modifiedLimitPrice, modifiedStopPrice, modifiedTimeInForce, orderUniquelIdentifier
- Response:

CancelOrder:

- End Point – /orders
- Method: DELETE
- Header content-type : application/json–Added
- Header token : authorization – Added
- Response:

Exchange Messages: - Added

- End Point – /messages/exchange
- Method: GET
- Header token : authorization – Added
- QueryString : ExchangeSegment
- Response: List of Object