



REST API

V0.7.1.0

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Overview

LEOxChange provides a simple and powerful [REST API](#) to allow you to perform many actions you can from our web interface programmatically. All requests use the application/json content type and go over https. The base URL is <https://restapi.leoxchange.com/>.

All public requests are GET requests, while all private requests are POST. You can find, generate or revoke your API keys, under API menu option in LEOxChange, once you have successfully logged into your account.

If you have any questions, feedback or recommendation for API support, please contact LEOxChange support.

Public

GetPairRate

Description	Get a List of Coin Pair Rates
Route	https://restapi.leoxchange.com/CoinPairRate/GetPairRate {?symbol}
Parameters	symbol: string (required) – CoinPair String
Methods:	GET, POST
Returns	{ Symbol: string – CoinPair String Rate decimal – CoinPair Rate }
Errors	404: Not Found
Sample Call	https://restapi.leoxchange.com/CoinPairRate/GetPairRate?symbol=LEO/BTC

ToLeo

Description	Returns a Coin's value in LEO
Route	https://restapi.leoxchange.com/CoinPairRate/ToLeo {?currency&value}
Parameters	currency: string (required) value: decimal (required)
Methods:	GET, POST
Returns	decimal – Currency's Rate with LEOCoin
Errors	404: Not Found OR 400: Bad Request: value is not numeric OR 400: Bad Request: unknown currency
Sample Call	https://restapi.leoxchange.com/CoinPairRate/ToLeo?currency=BTC&value=1.1

GetLast24HourVolume

Description	Returns the transaction amount volume of a specified Coin Pair that occurred in the Last 24 hours
Route	https://restapi.leoxchange.com/CoinPairRate/GetLast24HourVolume {?symbols}
Parameters	symbols: string (required) – CoinPair String
Methods:	GET, POST
Returns	Array: decimal – Coin Pair volumes for previous 24 hrs
Errors	404: Not Found
Sample Call	https://restapi.leoxchange.com/CoinPairRate/GetLast24HourVolume?symbols=LEO/BTC

GetCoinPairs

Description	Returns a List of active Coin Pairs
Route	https://restapi.leoxchange.com/Ticker/GetCoinPairs
Parameters	
Methods:	GET, POST

Returns	<pre> { Success: true Data: { Symbol: string – Coin Pair String Representation PCoinId: Guid – 1st Coin’s Id SCoinId: Guid – 2nd Coin’s Id IsEnabled: bool – Coin Pair Enabled or Disabled BuyStaticFee: decimal – Static Buying Fee BuyPercentFee: decimal – Buying Fee Percentage SellStaticFee: decimal – Static Selling Fee SellPercentFee: decimal – Selling Fee Percentage } } </pre>
Errors	404: Not Found
Sample Call	https://restapi.leoexchange.com/Ticker/GetCoinPairs

Market

Description	Returns a List of Ticker Items for an active Coin Pair or all active Coin Pairs
Route	https://restapi.leoexchange.com/Ticker/Market/{?coinPair}
Parameters	coinPair: string (optional) – CoinPair String
Methods:	GET, POST
Returns	<pre> { Success: true Data: { CoinPairId: Guid – Coin Pair Id MarketName: string – Coin Pair Market Name High: decimal – Market High Value Low: decimal – Market Low Value Volume: decimal –Volume (1st Coin) BaseVolume: decimal – (2nd Coin) Last: decimal – Last Known Value TimeStamp: string – Date Ticker was made Bid: decimal – Largest Buyer Price Ask: decimal – Lowest SelletPrice OpenBuyOrders: int – Number of Open Orders OpenSellOrders: int – Number of Open Sales PrevDay: decimal – Last Buying Price in Previous Day Created: string – Last Trade Date for CoinPair } } </pre>
Errors	<pre> { Success: false Data: "The provided CoinPair Id does not exist" } OR { Success: false Data: "You must provide a valid CoinPair" } </pre>
Sample Call	https://restapi.leoexchange.com/Ticker/Market?coinPair=LEO/BTC

GetOrderBook

Description	Returns a list of Order Items for a specified active Coin Pair or for all active Coin Pairs
Route	https://restapi.leoxchange.com/Ticker/OrderBook/{coinPair?}
Parameters	coinPair: string (optional) – CoinPair String
Methods:	GET, POST
Returns	<pre>{ Success: true Data: { Id: Guid – Order Item Id Quantity: decimal – Quantity Price: decimal – Price Type: string – Transaction Type “Buy” or “Sell” Pair: string – Coin Pair String } }</pre>
Errors	<pre>{ Success: false Data: null }</pre>
Sample Call	https://restapi.leoxchange.com/Ticker/OrderBook?coinPair=LEO/BTC

GetTradeHistory

Description	Returns a list of Trades
Route	https://restapi.leoxchange.com/Ticker/TradeHistory/{coinPair?}
Parameters	coinPair: string (optional) – CoinPair String start: string (optional) – Start From DateTime String end: string (optional) – End To DateTime String rows: int (optional) – number of rows to return
Methods:	GET, POST
Returns	<pre>{ Success: true Data: { Date: DateTime – Date Created Amount: decimal – Trade Amount Rate: decimal – Trade Rate Total: decimal – Trade Amount Type: string – Transaction Type “Buy” or “Sell” CoinPair: string – Coin Pair String } }</pre>
Errors	404: Not Found
Sample Call	https://restapi.leoxchange.com/Ticker/TradeHistory?coinPair=LEO/BTC&start=2017-05-25 14:07:37&end=2017-05-27 16:00:00&rows=100

Private

To use the following private methods, you will have to include the following headers.

1. The “APIKey” (Generated from our website) as seen in Image 1.
2. Each time a unique “nonce” number

Note that nonce numbers will be reset if there is an inactivity of 30 minutes.

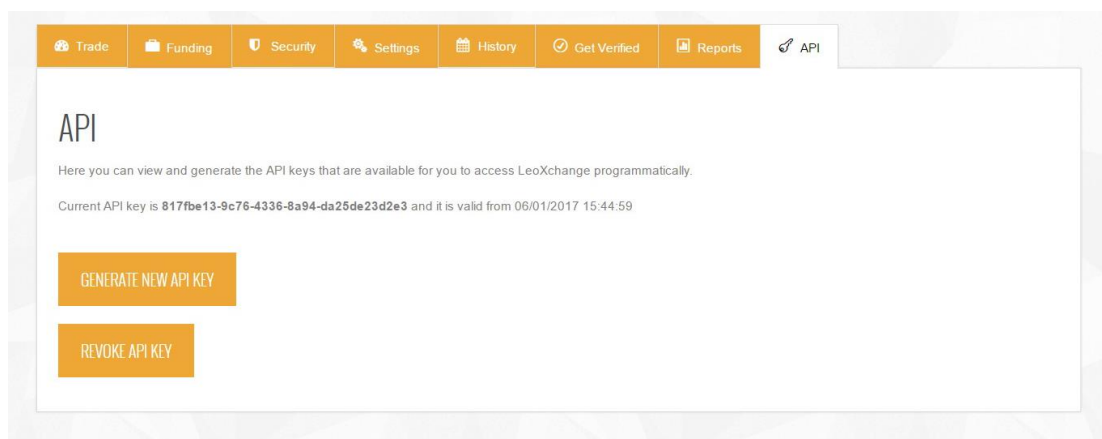


Image 1

GetBalances

Description	Returns Coin Names and Balance Quantities for the current User
Route	https://restapi.leoxchange.com/Trading/GetBalances
Parameters	
Methods:	POST
Returns	<pre>{ Success: true Data: { string – Coin Name decimal – Balance Quantity } }</pre>
Errors	405 Method Not Allowed OR <pre>{ Success: false Data: "An unexpected error occurred. Please contact system administrator and pass the following error identifier:" + (Guid - Error ID) }</pre>
Sample Call	https://restapi.leoxchange.com/Trading/GetBalances

GetBalanceDetails

Description	Returns Coin Names with Balance availability and balance reserved for orders of the current User
Route	https://restapi.leoxchange.com/Trading/GetBalanceDetails
Parameters	
Methods:	POST
Returns	<pre>{ Success: true Data: { string – Coin Name { available: decimal – Available Balance onOrders: decimal – Reserved For Orders } } }</pre>
Errors	405 Method Not Allowed OR <pre>{ Success: false Data: "An unexpected error occurred. Please contact system administrator and pass the following error identifier: " + (Guid - Error ID) }</pre>
Sample Call	https://restapi.leoxchange.com/Trading/GetBalanceDetails

GetDepositAddresses

Description	Returns a Coin's Deposit Addresses for each Coin for the current User
Route	https://restapi.leoxchange.com/Trading/GetDepositAddresses
Parameters	
Methods:	POST
Returns	<pre>{ Success: true Data: { string – Coin Name [string] – Deposit Addresses } }</pre>
Errors	405 Method Not Allowed OR <pre>{ Success: false Data: "An unexpected error occurred. Please contact system administrator and pass the following error identifier: " + (Guid - Error ID) }</pre>
Sample Call	https://restapi.leoxchange.com/Trading/GetDepositAddresses

GenerateDepositAddress

Description	Generates a Deposit Address, up to a maximum of 10, for the current User
Route	https://restapi.leoxchange.com/Trading/GenerateDepositAddress
Parameters	coin: string – Coin Name
Methods:	POST
Returns	<pre>{ Success: true Data: string – Address Created }</pre>
Errors	<p>405 Method Not Allowed OR</p> <pre>{ Success: false Data: "An unexpected error occurred. Please contact system administrator and pass the following error identifier: " + (Guid - Error ID) } OR { Success: false Data: "You have already assigned the maximum number of addresses for the selected coin type." } OR { Success: false Data: "The coin type you provided is not supported." } OR { Success: false Data: "You need to provide a coin type for address generation." }</pre>
Sample Call	https://restapi.leoxchange.com/Trading/GenerateDepositAddress

GetWithdrawAddresses

Description	Returns Active Coins and Withdrawal Addresses for each Coin for the current User
Route	https://restapi.leoxchange.com/Trading/GetWithdrawAddresses
Parameters	
Methods:	POST
Returns	<pre>{ Success: true Data: { string – Coin Name [string] – Withdrawal Addresses } }</pre>
Errors	<p>405 Method Not Allowed OR</p> <pre>{ Success: false Data: "An unexpected error occurred. Please contact system administrator and pass the following error identifier: " + (Guid - Error ID) }</pre>
Sample Call	https://restapi.leoxchange.com/Trading/GetWithdrawAddresses

AddWithdrawalAddress

Description	Adds a Valid Withdraw Address, for the Current User
Route	https://restapi.leoxchange.com/Trading/AddWithdrawalAddress
Parameters	coin: string – Coin Name address – Withdrawal Address
Methods:	POST
Returns	{ Success: true Data: 1 }
Errors	405 Method Not Allowed OR { Success: false Data: "An unexpected error occurred. Please contact system administrator and pass the following error identifier: " + (Guid - Error ID) } OR { Success: false Data: "The address already exists and is assigned." } OR { Success: false Data: "The address is not valid." } OR { Success: false Data: "You need to provide coin type and address." }
Sample Call	https://restapi.leoxchange.com/Trading/AddWithdrawalAddress

GetDepositsWithdrawals

Description	Returns Deposits AND/OR Withdrawals from a start date to an end with a default Pagination of 10 records with an optional maximum of 50 records for the current User
Route	https://restapi.leoexchange.com/Trading/GetDepositsWithdrawals
Parameters	start: string – From Date e.g. "2016-12-27 18:00:00" end: string – To Date currency: string – Optional Coin Name type: string – Optional "deposits" OR "withdrawals"
Methods:	POST
Returns	<pre>{ Success: true Data: { string - "deposits" OR "withdrawals" [Coin: string – Coin Name Address: string – Deposit/Withdrawal Address Quantity: decimal – Deposit/Withdrawal Quantity Confirmations: int – Confirmations TxId: string: Wallet Transaction Id Timestamp: string – Date Created Status: string – Transaction Status] } }</pre>
Errors	<p>405 Method Not Allowed OR 404: Not Found OR</p> <pre>{ Success: false Data: "An unexpected error occurred. Please contact system administrator and pass the following error identifier: " + (Guid - Error ID) } OR { Success: false Data: "You need to provide start and end parameters as \"YYYY-MM-DD HH:mm:ss\" timestamp." }</pre>
Sample Call	https://restapi.leoexchange.com/Trading/GetDepositsWithdrawals

GetOpenOrders

Description	Returns Open Orders for Current User
Route	https://restapi.leoexchange.com/Trading/GetOpenOrders
Parameters	currencyPair: string – Optional CoinPair String
Methods:	POST
Returns	<pre>{ Success: true Data: [{ Id: string – Order Id Quality: decimal – Order Quantity Price: decimal – Order Price Type: string – Side Text (“Buy/Limit” OR “Sell/Limit”) Pair: string - CoinPair String }] }</pre>
Errors	405 Method Not Allowed OR 404: Not Found OR <pre>{ Success: false Data: “An unexpected error occurred. Please contact system administrator and pass the following error identifier: ” + (Guid - Error ID) }</pre>
Sample Call	https://restapi.leoexchange.com/Trading/GetOpenOrders

GetTradeHistory

Description	Returns Trades for Current User
Route	https://restapi.leoexchange.com/Trading/GetTradeHistory
Parameters	pageIndex: [int] – Optional Page Index pageSize:[int] – Optional Page Record No
Methods:	POST
Returns	<pre>{ Success: true Data: [{ Date: string – Trade Timestamp Type: string – Side Text (“Buy/Limit” OR “Sell/Limit”) Rate: decimal – Trade Price Amount: decimal – Trade Quantity Total: decimal – Trade Total Value CoinPair: CoinPair String }] }</pre>
Errors	405 Method Not Allowed OR 404: Not Found OR <pre>{ Success: false Data: “An unexpected error occurred. Please contact system administrator and pass the following error identifier: ” + (Guid - Error ID) }</pre>
Sample Call	https://restapi.leoexchange.com/Trading/GetTradeHistory

GetOrderTrades

Description	Returns Trades for a specified order for the current User
Route	https://restapi.leoexchange.com/Trading/GetOrderTrades
Parameters	Id: string – Order Id
Methods:	POST
Returns	<pre> { Success: true Data: [Date: string – Trade Timestamp Type: string – Side Text (“Buy/Limit” OR “Sell/Limit”) Rate: decimal – Trade Price Amount: decimal – Trade Quantity Total: decimal – Trade Total Value CoinPair: CoinPair String] } </pre>
Errors	<p>405 Method Not Allowed OR 404: Not Found OR</p> <pre> { Success: false Data: “An unexpected error occurred. Please contact system administrator and pass the following error identifier: ” + (Guid - Error ID) } OR { Success: false Data: “You must provide order id.” } OR { Success: false Data: “No orders with matching ID found on your account.” } </pre>
Sample Call	https://restapi.leoexchange.com/Trading/GetOrderTrades

PlaceOrder

Description	Places an Order for the current User
Route	https://restapi.leoexchange.com/Trading/PlaceOrder
Parameters	OrderType: int – Type of Order Price: decimal – Order Item Price Quantity: decimal Order Quantity Side: int - Order Side (1(Buy), 2(Sell) or 5(SellShort)) Symbol: string – Coin Pair String CoinName: string – Coin Name
Methods:	POST
Returns	{ Success: true Data: Guid – New Order’s ID }
Errors	405 Method Not Allowed OR 404: Not Found OR { Success: false Data: “An unexpected error occurred. Please contact system administrator and pass the following error identifier: ” + (Guid - Error ID) } OR { Success: false Data: [Name: – Error Type Name Data: – Error Description] }
Sample Call	https://restapi.leoexchange.com/Trading/PlaceOrder

CancelOrder

Description	Cancels an Order for the current User
Route	https://restapi.leoexchange.com/Trading/CancelOrder
Parameters	Id: string – Order Id
Methods:	POST
Returns	{ Success: true Data: 1 }
Errors	405 Method Not Allowed OR 404: Not Found OR { Success: false Data: “An unexpected error occurred. Please contact system administrator and pass the following error identifier: ” + (Guid - Error ID) } OR { Success: false Data: “No orders with matching ID found on your account.” } OR { Success: false Data: “You must provide order Id.” }
Sample Call	https://restapi.leoexchange.com/Trading/CancelOrder

MakeWithdrawal

Description	Makes a Withdrawal from a Withdrawal Address for the current User
Route	https://restapi.leoxchange.com/Trading/MakeWithdrawal
Parameters	Coin: string – Coin Name Quantity: decimal – Quantity to Withdraw Address: decimal – Withdraw Address
Methods:	POST
Returns	<pre>{ Success: true Data: { remainingBalance: decimal – User Remaining Balance IsSuccessful: bool – KYC Success message: "You have successfully submitted your withdrawal request. Please check your email for verification of this request." } }</pre>
Errors	<p>405 Method Not Allowed OR 404: Not Found OR { Success: false, Data: "An unexpected error occurred. Please contact system administrator and pass the following error identifier: " + (Guid - Error ID) } OR { Success: false, Data: "Please Provide Coin for Withdrawal." } OR { Success: false, Data: "Please Provide Withdrawal Quantity." } OR { Success: false, Data: "Please Provide Withdrawal Address." } OR { Success: false, Data: "Invalid Coin. Please Provide a Valid Coin." } OR { Success: false, Data: "Please verify your previous transaction before requesting a new withdrawal." } OR { Success: false, Data: "Bitcoin transactions will be disabled for 48 hours" } OR { Success: false, Data: "User is locked out." } OR { Success: false, Data: "User is not allowed to Withdraw. Please contact support@LEOxChange.com for more information." } OR { Success: false, Data: "Your previous transaction is still pending. Please note that the previous transaction needs to be completed in order to proceed." } OR { Success: false, Data: "The entered amount is below the minimum withdrawal amount." } OR { Success: false, Data: "You have insufficient balance to proceed with this withdrawal." } OR { Success: false, Data: "The Withdrawal Address was not found." } OR { Success: false, Data: "The Withdrawal Address does not exist." }</p>
Sample Call	https://restapi.leoxchange.com/Trading/MakeWithdrawal

Parameters examples

Parameters are used without

Parameter name	Description	example
Public		
symbol	string (required) – CoinPair	
currency	string (required)	
value	decimal (required)	
start	string (optional) – Start From DateTime	
end	string (optional) – End To DateTime	
rows	int (optional) – number of rows to return	
Private		
coin	string – Coin Name	"LEO" or "BTC" ...
address	Withdrawal Address	"sdjklfp8438734n7te08rudgfoiap843284utrfls!"
start	string – From Date	"2016-12-27 18:00:00"
end	string – To Date	"2016-12-28 18:30:00"
Currency	string – Optional Coin Name	"LEO" or "BTC"
type	string – Optional	"deposits" or "withdrawals"
currencyPair	string – Optional CoinPair	"LEO/BTC"
pageIndex	int – Optional Page Index	"1"
pageSize	int – Optional Page Record No	"100"
Id	string – Order Id	"66B5463C-A063-461D-AE15-000191B36378"
OrderType	int – Type of Order	"2" = Limit
Price	decimal – Order Item Price	"1.404567"
Quantity	decimal - Withdraw or Order Quantity	"20.5468764"
Side	Int - Order Side	"1" = Buy "2" = Sell "5" = SellShort
Symbol	string – Coin Pair String	"LEO/BTC"
CoinName	string – Coin Name	"LEO"