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FXCM Socket REST API User Guide

Revision History		
Version	Last Updated	Comments
2.1.1	Feb 6, 2019	Remove offer, leverage profile and properties from list of possible tables to be subscribed to
2.1	Feb 2, 2019	Added enumeration descriptions in trading tables and array descriptions for price updates
2.0	Jan 16, 2018	Clean up after OAuth removal and re-add get_instruments, update_subscriptions
1.9	Sept 13, 2017	Add table description on appendix
1.8	July 29, 2017	Begin modifying requests to POST versions and standardizing style
1.7	July 27, 2017	Remove sample code, replaced by sample program (will be upload to github for public access), to make documents nice and neat.
1.6	July 27, 2017	Change accountId to account_id
1.5	July 25, 2017	Remove /trading/changePassword
1.4	June 28, 2017	Replaced GET functions with POST, PATCH /DELETE
1.3	June 27, 2017	Removed command line and redundant functions
1.2	June 26, 2017	Add Historical data
1.2	June 22, 2017	
1.0	May 15, 2017	Added response, requests, diagrams, sample code

Contents

1 Overview

FXCM offers a web-based REST API which can be used to establish secure connectivity with FXCM's trading systems for the purpose of receiving market data and trading.

This document provides an overview of this API, optional tools and sample implementations.

2 Getting Started

2.1 Prerequisites

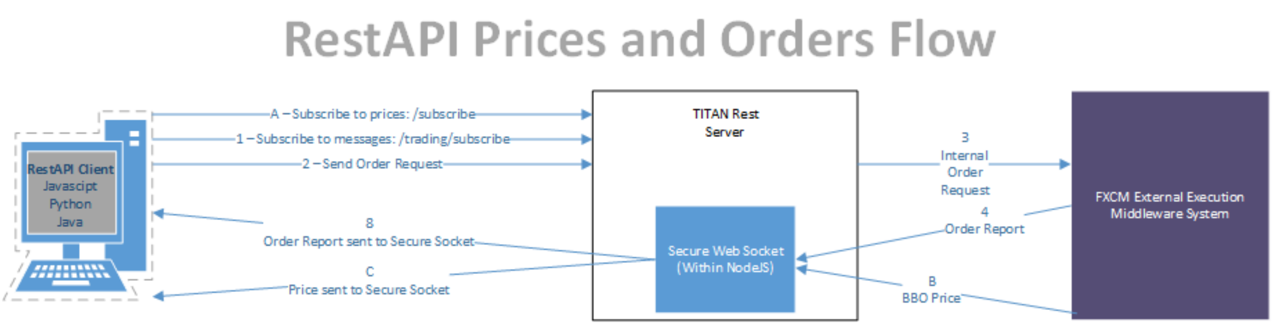
To use the REST API, you will need:

- Access Token generated with Trading Station Web https://tradingstation.fxcm.com/
- Socket.IO client library: https://socket.io/docs/client-api/
    - using JavaScript: https://www.npmjs.com/package/socket.io
    - using Python: https://pypi.python.org/pypi/socketIO-client

2.2 Logon and Authentication

REST API uses a persistent Access Token. You can generate this token by logging into Trading Station Web at https://tradingstation.fxcm.com/.

2.3 Message Flow



Clients should establish a persistent WebSocket connection using socket.io library. All non-solicited updates will be sent over this connection. Client requests are to be sent via normal HTTP messages. Every HTTP message must contain following parameters:

REQUEST Header	Description	Values	Req'd
HTTP version	Version of HTTP used	HTTP/1.1	Y
User-Agent	Identification of the client software	request	Y
Accept	Acceptable response MIME type	application/json	Y
Content-Type	Media type of the request	application/x-www-form-urlencoded	Y

Authorization	Authorization string containing "Bearer ", ID of socket.io connection and persistent token.	'Bearer ' + socket_id + api_token	Y

3 Authentication Messages

3.1 Open Socket and get socket_id by passing access_token

Socket connection can be established automatically using socket.io-client library. The connection needs to have access_token obtained from Trading Station Web.

REQUEST			
Header	**Description**	**Values**	**Req'd**
Method	HTTP method	GET	Y
URI	Resource	/socket.io	Y
Parameter	**Description**	**Values**	**Req'd**
access_token	access_token	String, 40 digit hex value obtained in **Error! Reference ource not found.**	Y

Sample Request

```
GET /socket.io/?access_token=cj5wedhq3007v61fe935ihqed&EIO=3&transport=polling&t=Lsd_lZY&b64=1
HTTP/1.1
User-Agent: node-XMLHttpRequest
Accept: */*
Host: api.fxcm.com
Connection: close
```

RESPONSE		
Parameter	**Description**	**Values**
Sid	Socket ID	40 digit hex value to be used as socket_id in all future requests
upgrades	Type of socket	String. Internal variable of socket.io
pingInterval	Interval between pings	Integer value in milliseconds. Internal variable of socket.io
pingTimeout	Timeout of pings	Integer value in milliseconds. Internal variable of socket.io

Sample Response

```
HTTP/1.1 200 OK
Content-Type: text/plain; charset=UTF-8
Content-Length: 100
Access-Control-Allow-Origin: *
Set-Cookie: io=HHGqC3Gao2ENa5tNAAEu
Date: Thu, 03 Aug 2017 12:08:11 GMT
Connection: close
Set-Cookie: BIGipServerapi.fxcm.com=3698998282.42783.0000; path=/; Httponly; Secure
Last-Modified: Thu, 03 Aug 2017 12:08:11 UTC

97:0{"sid":"HHGqC3Gao2ENa5tNAAEu","upgrades":["websocket"],"pingInterval":25000,"pingTimeout":60
000}
```

4 Market Data

4.1 Request a list of all available symbols

We need to know which symbols are available for subscription.

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REQUEST			
Header	**Description**	**Values**	**Req'd**
Method	HTTP method	GET	Y
URI	Resource	/trading/get_instruments	Y
Parameter	**Description**	**Values**	**Req'd**

Sample Request

```
GET /trading/get_instruments/? HTTP/1.1
User-Agent: request
Accept: application/json
Content-Type: application/x-www-form-urlencoded
Authorization: Bearer n5BoWSRFJvYi2GEQAAKya11f7bc3d6b14ff77f65dd9d21df16ac1b4c41ea
Host: api-demo.fxcm.com
Connection: close
```

RESPONSE		
Parameter	**Description**	**Values**
executed	Execution successful	Boolean
data	Data of the response	Object
instrument	List of instruments	Array
symbol	Representation of the instrument	Symbol
visivle	Is symbol visible in Offers table	Boolean
order	Ordering number	Number

Sample Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Methods: GET,PUT,POST,DELETE
Access-Control-Allow-Headers: X-Requested-With, X-HTTP-Method-Override, Content-Type, Accept
X-Content-Type-Options: nosniff
Content-Type: application/json; charset=utf-8
Content-Length: 2869
ETag: W/"b35-wJL+EwQsbuYSjtvqcCGh1g"
Date: Tue, 16 Jan 2018 17:27:44 GMT
Connection: close
Last-Modified: Tue, 16 Jan 2018 17:27:44 UTC
Vary: Accept-Encoding

{"response":{"executed":true},"data":{"instrument":[{"symbol":"EUR/USD","visible":true,"order":1
},…
```

4.2 Subscribe to Market Data stream

After subscribing, market price updates will be pushed to the client via the socket.

REQUEST			
Header	**Description**	**Values**	**Req'd**
Method	HTTP method	POST	Y
URI	Resource	/subscribe	Y
Parameter	**Description**	**Values**	**Req'd**
pairs	Symbols to be subscribed to	String, representation of the requested symbol	Y

Sample Request

```
POST /subscribe HTTP/1.1
User-Agent: request
Accept: application/json
Content-Type: application/x-www-form-urlencoded
Authorization: Bearer n5BoWSRFJvYi2GEQAAKya11f7bc3d6b14ff77f65dd9d21df16ac1b4c41ea
Host: api.fxcm.com
Connection: close
Transfer-Encoding: chunked

55
pairs=EUR%2FUSD
0
```

RESPONSE

Parameter	Description	Values
executed	Execution successful	Boolean
error	Type of socket	String. Internal variable of socket.io
pairs	Symbol information	Object containing information about the symbol
Updated	Timestamp of last update	Number, Epoch timestamp in milliseconds
Rates	Current rates	Array of Numbers, [Bid, Ask, Session High, Session Low]
Symbol	Symbol	String representing the symbol

Sample Response

```
HTTP/1.1 200 OK
Vary: X-HTTP-Method-Override
Access-Control-Allow-Methods: GET,PUT,POST,DELETE
Access-Control-Allow-Headers: X-Requested-With, X-HTTP-Method-Override, Content-Type, Accept
X-Content-Type-Options: nosniff
Content-Type: application/json; charset=utf-8
Content-Length: 157
ETag: W/"9d-YFo+3OmAbWV4Q8hgjKPcMA"
Date: Fri, 28 Jul 2017 22:48:36 GMT
Connection: close
Set-Cookie: BIGipServerapi.fxcm.com=3698998282.42783.0000; path=/; Httponly; Secure
Last-Modified: Fri, 28 Jul 2017 22:48:36 UTC

{"response":{"executed":true,"error":""},"pairs":"{\"Updated\":1501275479,\"Rates\":[1.17481,1.1
7513,1.17653,1.167,1.17481,1.17513],\"Symbol\":\"EUR/USD\"}"}
```

4.3 Unsubscribe from Market Data stream

REQUEST

Header	Description	Values	Req'd
Method	HTTP method	POST	Y
URI	Resource	/unsubscribe	Y
Parameter	**Description**	**Values**	**Req'd**
pairs	Symbols to be unsubscribed from	String representing the symbol	Y

Sample Request

```
POST /unsubscribe HTTP/1.1
User-Agent: request
Accept: application/json
Content-Type: application/x-www-form-urlencoded
Authorization: Bearer n5BoWSRFJvYi2GEQAAKya11f7bc3d6b14ff77f65dd9d21df16ac1b4c41ea
Host: api.fxcm.com
Connection: close
Transfer-Encoding: chunked

55
pairs=EUR%2FUSD
0
```

RESPONSE

Parameter	Description	Values
Sid	Socket ID	40 digit hex value to be used as socket_id in all future requests
upgrades	Type of socket	String. Internal variable of socket.io
pingInterval	Interval between pings	Integer value in milliseconds. Internal variable of socket.io
pingTimeout	Timeout of pings	Integer value in milliseconds. Internal variable of socket.io

Sample Response

```
HTTP/1.1 200 OK
Vary: X-HTTP-Method-Override
Access-Control-Allow-Methods: GET,PUT,POST,DELETE
Access-Control-Allow-Headers: X-Requested-With, X-HTTP-Method-Override, Content-Type, Accept
X-Content-Type-Options: nosniff
Content-Type: application/json; charset=utf-8
Content-Length: 59
ETag: W/"3b-3vU5f74yKnWdV/dyTgPejA"
Date: Fri, 28 Jul 2017 22:48:40 GMT
Connection: close
Set-Cookie: BIGipServerapi.fxcm.com=3698998282.42783.0000; path=/; Httponly; Secure
Last-Modified: Fri, 28 Jul 2017 22:48:40 UTC

{"response":{"executed":true,"error":""},"pairs":"EUR/USD"}
```

4.4 Price updates

RESPONSE

Parameter	Description	Values
Updated	Time of the update	Integer epoch time in seconds
Rates	Price information	[Bid, Ask, Session High, Session Low]
Symbol	Instrument of the update	String representation of the instrument

Sample Response

```
["EUR/USD","{\"Updated\":1503314642,\"Rates\":[1.17614,1.17637,1.1771,1.17298],\"Symbol\":\"EUR/
USD\"}"]
```

5 Trading Tables

5.1 Subscribe to trading tables

Subscribes to the updates of the data models. Update will be pushed to client via the socket.

REQUEST

Header	Description	Values	Req'd
Method	HTTP method	POST	Y
URI	Resource	/trading/subscribe	Y
Parameter	**Description**	**Values**	**Req'd**
models	Name of the table model to be subscribed to	String, one or more of: 'OpenPosition', 'ClosedPosition', 'Order', 'Account', 'Summary'	Y

Sample Request

```
POST /trading/subscribe HTTP/1.1
User-Agent: request
Accept: application/json
Content-Type: application/x-www-form-urlencoded
Authorization: Bearer n5BoWSRFJvYi2GEQAAKya11f7bc3d6b14ff77f65dd9d21df16ac1b4c41ea
Host: api.fxcm.com
Connection: close
Transfer-Encoding: chunked

52
models=Order
0
```

RESPONSE

Parameter	Description	Values
executed	Execution successful	Boolean

Sample Response

```
HTTP/1.1 200 OK
Vary: X-HTTP-Method-Override
Access-Control-Allow-Methods: GET,PUT,POST,DELETE
Access-Control-Allow-Headers: X-Requested-With, X-HTTP-Method-Override, Content-Type, Accept
X-Content-Type-Options: nosniff
Content-Type: application/json; charset=utf-8
Content-Length: 30
ETag: W/"1e-/mvovEuhtN1hYjWJCVVEGQ"
Date: Fri, 28 Jul 2017 23:19:59 GMT
Connection: close
Set-Cookie: BIGipServerapi.fxcm.com=3698998282.42783.0000; path=/; Httponly; Secure
Last-Modified: Fri, 28 Jul 2017 23:19:59 UTC

{"response":{"executed":true}}
```

5.2 Unsubscribe from trading tables

Unsubscribes from the updates of the data models that are being pushed via the socket.

REQUEST

Header	Description	Values	Req'd
Method	HTTP method	POST	Y
URI	Resource	/trading/unsubscribe	Y
Parameter	**Description**	**Values**	**Req'd**
models	Name of the table model to be unsubscribed to	String, one or more of: 'Offer', 'OpenPosition', 'ClosedPosition', 'Order', 'Account', 'Summary', 'LeverageProfile', 'Properties'	Y

Sample Request

```
POST /trading/unsubscribe HTTP/1.1
User-Agent: request
Accept: application/json
Content-Type: application/x-www-form-urlencoded
Authorization: Bearer n5BoWSRFJvYi2GEQAAKya11f7bc3d6b14ff77f65dd9d21df16ac1b4c41ea
Host: api.fxcm.com
Connection: close
Transfer-Encoding: chunked

52
models=Order
0
```

RESPONSE

Parameter	Description	Values
executed	Execution successful	Boolean

Sample Response

```
HTTP/1.1 200 OK
Vary: X-HTTP-Method-Override
Access-Control-Allow-Methods: GET,PUT,POST,DELETE
Access-Control-Allow-Headers: X-Requested-With, X-HTTP-Method-Override, Content-Type, Accept
X-Content-Type-Options: nosniff
Content-Type: application/json; charset=utf-8
Content-Length: 30
ETag: W/"1e-/mvovEuhtN1hYjWJCVVEGQ"
Date: Fri, 28 Jul 2017 23:20:05 GMT
Connection: close
Set-Cookie: BIGipServerapi.fxcm.com=3698998282.42783.0000; path=/; Httponly; Secure
Last-Modified: Fri, 28 Jul 2017 23:20:05 UTC

{"response":{"executed":true}}
```

5.3 Request a snapshot of trading tables

In case continuous updates of the trading tables is not needed, it is possible to request a one-time snapshot.

Gets current content snapshot of the specified data models.

Model choices: 'Offer', 'OpenPosition', 'ClosedPosition', 'Order', 'Summary', 'LeverageProfile', 'Account', 'Properties'.

REQUEST

Header	Description	Values	Req'd
Method	HTTP method	GET	Y
URI	Resource	/trading/get_model	Y
Parameter	**Description**	**Values**	**Req'd**
models	Name of the table model to be unsubscribed to	String, one or more of: 'Offer', 'OpenPosition', 'ClosedPosition', 'Order', 'Account', 'Summary', 'LeverageProfile', 'Properties'	Y

Sample Request
```
GET
/trading/get_model/?models=Offer&models=OpenPosition&models=ClosedPosition&models=Order&models=S
ummary&models=Account&models=LeverageProfile&models=Properties HTTP/1.1
Host: api.fxcm.com
Connection: close
```

RESPONSE

Parameter	Description	Values
executed	Execution successful	Boolean
<models>	Requested tables	Table models. See chapter 5.4

Sample Response
```
HTTP/1.1 200 OK
Access-Control-Allow-Methods: GET,PUT,POST,DELETE
Access-Control-Allow-Headers: X-Requested-With, X-HTTP-Method-Override, Content-Type, Accept
X-Content-Type-Options: nosniff
Content-Type: application/json; charset=utf-8
Content-Length: 12264
ETag: W/"2fe8-79HiV0VI0lZqcM4i27YT1w"
Date: Mon, 14 Aug 2017 15:01:06 GMT
Connection: close
Set-Cookie: BIGipServerapi.fxcm.com=3698998282.42783.0000; path=/; Httponly; Secure
Last-Modified: Mon, 14 Aug 2017 15:01:06 UTC
Vary: Accept-Encoding

{"response":{"executed":true},(…)
```

5.4 Trading table responses

5.4.1 Offers table

This section describes the Offers table that contains information about trading instruments, current prices, and high/low trading day prices.

RESPONSE

Parameter	Description	Values
t	ID number of the table	0
ratePrecision	The price precision of the instrument. It defines number of digits after the decimal point in the instrument price quote.	Number
offerId	The unique identification number of the instrument.	Number
rollB	The interest amount added to the account balance for holding a one lot long (buy) position overnight. In the case of FX instruments, lot size is determined by the system base unit size. In the case of CFD instruments, lot size equals to one contract. The interest amount is expressed in the account currency and can be positive or negative.	Number
rollS	The interest amount added to the account balance for holding a one lot short (sell) position overnight. In the case of FX instruments, lot size is determined by the system base unit size. In the case of CFD instruments, lot size equals to one contract. The interest amount is expressed in the account currency and can be positive or negative.	Number
fractionDigits	The price precision of the instrument. It defines number of digits after the decimal point in the instrument price quote.	Number

pip	The size of one pip. It used to define the smallest move the instrument can make. In the case of FX instruments, it is expressed in the instrument counter currency. In the case of CFD instruments, it is expressed in the instrument native currency.	Number
defaultSortOrder	Sorting index of the instrument	Number
currency	The symbol of the instrument.	String
instrumentType	The type of the instrument. The possible values are: 1 – Forex 2 – Indices 3 – Commodity 4 – Treasury 5 – Bullion 6 – Shares 7 – FXIndex	Number
valueDate	The simulated delivery date. The date and time when the position opened in the instrument could be automatically closed. The value of this field is provided in the yyyyMMdd format. It is applicable only when instrument trades on account with the day netting trading. Otherwise, the value of this field is blank.	String
time	The date and time of the last update of the instrument. ISO 8601 format.	String
sell	The current market price the instrument can be sold at.	Number
buy	The current market price the instrument can be bought at.	Number
sellTradable	The usage of the sell price. It defines whether the sell price of the instrument is available for trading or not.	Boolean
buyTradable	The usage of the buy price. It defines whether the buy price of the instrument is available for trading or not.	Boolean
high	The highest buy price of the instrument for the current trading day.	Number
low	The lowest sell price of the instrument for the current trading day.	Number
volume	The tick volume of the current minute. The value of this field represents the number of ticks happened during the current minute.	Number
pipFraction	Minimum price change for the instrument.	Number
spread	Difference between Buy and Sell price in pips.	Number
mmr	Maintenance margin level.	Number
emr	Entry margin level.	Number
lmr	Limitation margin level.	Number
pipCost	The cost of one pip per lot. It is expressed in the account currency and used to calculate the P/L value in the account currency.	Number
action	Type of update. Only applicable to updates through the socket. Possible values are: I – Insert U – Update D – Delete	String

Sample Response

"offers":[{"t":0,"ratePrecision":5,"offerId":1,"rollB":-2.208,"rollS":1.053,"fractionDigits":5,"pip":0.0001,"defaultSortOrder":100,"currency":"EUR/USD","instrumentType":1,"valueDate":"09152017","time":"2017-09-13T15:26:49.000Z","sell":1.18983,"buy":1.19008,"sellTradable":true,"buyTradable":true,"high":1.19962,"low":1.18977,"volume":1,"pipFraction":0.1,"spread":2.5,"mmr":0.013,"emr":0,"lmr":0,"pipCost":0.0001}]

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5.4.1.1 Changing symbols subscribed to in Offers table

Offers table will show only symbols that we have subscribed to using update_subscriptions. For a list of symbols available for subscription please see 4.1

REQUEST

Header	Description	Values	Req'd
Method	HTTP method	POST	Y
URI	Resource	/trading/update_subscriptions	Y
Parameter	**Description**	**Values**	**Req'd**
symbol	Requested symbol	String	Y
visible	Should the symbol be visible in Offers table	Boolean	

Sample Request

```
POST /trading/update_subscriptions HTTP/1.1
User-Agent: request
Accept: application/json
Content-Type: application/x-www-form-urlencoded
Authorization: Bearer n5BoWSRFJvYi2GEQAAKya11f7bc3d6b14ff77f65dd9d21df16ac1b4c41ea
Host: api-demo.fxcm.com
Connection: close
Transfer-Encoding: chunked

1d
symbol=EUR%2FUSD&visible=true
0
```

RESPONSE

Parameter	Description	Values
executed	Execution successful	Boolean

Sample Response

```
HTTP/1.1 200 OK
Vary: X-HTTP-Method-Override
Access-Control-Allow-Methods: GET,PUT,POST,DELETE
Access-Control-Allow-Headers: X-Requested-With, X-HTTP-Method-Override, Content-Type, Accept
X-Content-Type-Options: nosniff
Content-Type: application/json; charset=utf-8
Content-Length: 30
ETag: W/"1e-/mvovEuhtN1hYjWJCVVEGQ"
Date: Tue, 16 Jan 2018 17:45:51 GMT
Connection: close
Last-Modified: Tue, 16 Jan 2018 17:45:50 UTC

{"response":{"executed":true}}
```

5.4.2 Open Positions table

This section describes the Open Positions table that contains open positions data such as floating profit/loss, charged commission, cumulative interest, and so on.

RESPONSE

Parameter	Description	Values
t	ID number of the table	1
ratePrecision	The price precision of the instrument. It defines number of digits after the decimal point in the instrument price quote.	Number

tradeId	The unique identification number of the open position. The number is unique within the same database that stores the account the position is opened on.	String
accountName	The unique name of the account the position is opened on. The name is unique within the database where the account is stored.	String
accountId	The unique identification number of the account the position is opened on. The number is unique within the database where the account is stored.	String
roll	The cumulative amount of funds that is added the account balance for holding the position overnight.	Number
com	The amount of funds subtracted from the account balance to pay for the broker's service in accordance with the terms and conditions of the account trading agreement.	Number
open	The price the position is opened at.	Number
valueDate	The simulated delivery date. The date when the position could be automatically closed. The date is provided in the yyyyMMdd format. It is applicable only for positions opened on accounts with the day netting trading mode. Otherwise, the value of this field is blank.	String
grossPL	The current profit/loss of the position. It is expressed in the account currency.	Number
close	The price at which the position can be closed at the moment.	Number
visiblePL	The current profit/loss per one lot of the position. It is expressed in the account currency.	Number
isDisabled		Boolean
currency	The symbol of the instrument.	String
isBuy	The trade operation the position is opened by. The possible values are: True – Buy False – Sell	Boolean
amountK	The amount of the position in thousand units.	Number
currencyPoint	?	Number
time	The date and time when the position was opened.	String
usedMargin	The amount of funds currently committed to maintain the position.	Number
stop	The price of the associated stop order (loss limit level).	Number
stopMove	The number of pips the market should move before the stop order moves the same number of pips after it. If the trailing order is dynamic (automatically updates every 0.1 of a pip), then the value of this field is 1. If the order is not trailing, the value of this field is 0.	Number
limit	The price of the associated limit order (profit limit level).	Number
isTotal	Indicates the row is a summary of for whole table.	Boolean
action	Type of update. Only applicable to updates through the socket. Possible values are: I – Insert U – Update D – Delete	String

Sample Response
"open_positions":[{"t":1,"ratePrecision":5,"tradeId":"122743073","accountName":"01027808","accountId":"1027808","roll":0,"com":5,"open":1.19719,"valueDate":"","grossPL":1.74,"close":1.19632,"visiblePL":8.7,"isDisabled":false,"currency":"EUR/USD","isBuy":false,"amountK":2,"currencyPoint":0.2,"time":"09152017143932","usedMargin":52,"stop":0,"stopMove":0,"limit":0}]

5.4.3 Closed Positions table

This section describes the Closed Positions table that contains information about the positions closed during the current trading day such as realized profit/loss, charged commission, cumulative interest, and so on.

RESPONSE		
Parameter	Description	Values
t	ID number of the table	2
ratePrecision	The price precision of the instrument. It defines number of digits after the decimal point in the instrument price quote.	Number
tradeId	The unique identification number of the open position. The number is unique within the same database that stores the account the position is opened on.	String
accountName	The unique name of the account the position is opened on. The name is unique within the database where the account is stored.	String
roll	The cumulative amount of funds that is added the account balance for holding the position overnight.	Number
com	The amount of funds subtracted from the account balance to pay for the broker's service in accordance with the terms and conditions of the account trading agreement.	Number
open	The price the position is opened at.	Number
valueDate	The simulated delivery date. The date when the position could be automatically closed. The date is provided in the yyyyMMdd format. It is applicable only for positions opened on accounts with the day netting trading mode. Otherwise, the value of this field is blank.	String
grossPL	The current profit/loss of the position. It is expressed in the account currency.	Number
close	The price at which the position can be closed at the moment.	Number
visiblePL	The current profit/loss per one lot of the position. It is expressed in the account currency.	Number
currency	The symbol of the instrument.	String
isBuy	The trade operation the position is opened by. The possible values are: True – Buy False – Sell	Boolean
amountK	The amount of the position in thousand units.	Number
currencyPoint		Number
openTime	The date and time when the position was opened.	String
closeTime	The date and time when the position was closed.	String
isTotal	Indicates the row is a summary of for whole table.	

action	Type of update. Only applicable to updates through the socket. Possible values are: I – Insert U – Update D – Delete	String
Sample Response "closed_positions":[{"t":2,"ratePrecision":5,"tradeId":"122643271","accountName":"01027808","roll":3.85,"com":10,"open":1.19446,"valueDate":"","grossPL":-30.3,"close":1.19749,"visiblePL":-30.3,"currency":"EUR/USD","isBuy":false,"amountK":10,"currencyPoint":1,"openTime":"09062017152749","closeTime":"09152017143928"}		

5.4.4 Orders table

This section describes the Orders table that contains information about orders. The data is kept in this table until all the orders are executed.

RESPONSE Parameter	Description	Values
t	ID number of the table	3
ratePrecision	The price precision of the instrument. It defines number of digits after the decimal point in the instrument price quote.	Number
orderId	The unique identification number of the order. The number is unique within the same database that stores the account the order is placed on.	String
time	The time when the order was created.	String
accountName	The unique name of the account the position is opened on. The name is unique within the database where the account is stored.	String
accountId	The unique identification number of the account the position is opened on. The number is unique within the database where the account is stored.	String
timeInForce	The time-in-force option of the order. The possible values are: GTC – Good Till Cancelled IOC – Immediate Or Cancel FOK – Fill Or Kill DAY – Day Order GTD – Good Till Date	String
expireDate	Time at which the order will expire.	Number
currency	The symbol of the instrument.	String
isBuy	The trade operation the position is opened by. The possible values are: True – Buy False – Sell	Boolean
buy	The price the order is placed at.	Number
sell	The price the order is placed at.	Number

type	The order type. The possible values are: S – Stop ST – Trailing Stop L – Limit SE – Entry Stop LE – Entry Limit STE – Trailing Entry Stop LTE – Trailing Entry Limit C – Close CM – Close Market CR – Close Range O – Open OM – Open Market OR – Open Range M – Margin Call	String
status	The state of the order. The possible values are: 0 – Unknown 1 – Waiting 2 – InProcess 3 – Canceled 4 – Requoted 5 – MarginCall 6 – Executing 7 – Pending 8 – EquityStop 9 – Executed 10 – Activated	Number
amountK	The amount of the position in thousand units.	Number
currencyPoint		Number
stopMove	The number of pips the market should move before the stop order moves the same number of pips after it. If the trailing order is dynamic (automatically updates every 0.1 of a pip), then the value of this field is 1. If the order is not trailing, the value of this field is 0.	Number
stop	The price of the associated stop order (loss limit level).	Number
stopRate		Number
limit	The price of the associated limit order (profit limit level).	Number
limitRate		Number
isEntryOrder	Indicates if the order is of Entry type (resting order).	Boolean
ocoBulkId	The unique identifier of an existing OCO group which the order is linked to. The number is unique within the same database that stores the account the contingent order is placed on.	Number
isNetQuantity	Indicates if the order is of Net Amount type.	Boolean
isLimitOrder	Indicates if the order is of Limit type.	Boolean
isStopOrder	Indicates if the order is of Stop type.	Boolean
isELSOrder	Indicates if the order is of Entry with Limit and Stop type.	Boolean
stopPegBaseType		Number

limitPegBaseType		Number
range		Number
action	Type of update. Only applicable to updates through the socket. Possible values are: I – Insert U – Update D – Delete	String

Sample Response

"orders":[{"t":3,"ratePrecision":5,"orderId":"236780744","tradeId":"123022436","time":"10172017103642","accountName":"01073265","accountId":"1073265","timeInForce":"GTD","expireDate":"10182017205900","currency":"EUR/USD","isBuy":true,"buy":1.16079,"sell":0,"type":"LE","status":1,"amountK":1,"currencyPoint":0.1,"stopMove":0,"stop":0,"stopRate":0,"limit":0,"limitRate":0,"isEntryOrder":true,"ocoBulkId":0,"isNetQuantity":false,"isLimitOrder":true,"isStopOrder":false,"isELSOrder":false,"stopPegBaseType":-1,"limitPegBaseType":-1,"range":0}]

5.4.5 Summary table

This section describes the Summary table that contains summarized information such as the average entry price, profit/loss, and so on for every instrument currently traded.

RESPONSE Parameter	Description	Values
t	ID number of the table	5
ratePrecision	The price precision of the instrument. It defines number of digits after the decimal point in the instrument price quote.	Number
offerId	The unique identification number of the instrument.	Number
currency	The symbol of the instrument.	String
plSell	The current profit/loss of all Sell positions. It does not include commissions and interests.	Number
amountKSell	The sum of amounts of Sell positions in thousand units.	Number
avgSell	The average open price of Sell positions.	Number
closeBuy	The current market price, at which Sell positions can be closed.	Number
closeSell	The current market price, at which Buy positions can be closed.	Number
avgBuy	The average open price of Buy positions.	Number
amountKBuy	The sum of amounts of Buy positions in thousand units.	Number
rollSum	The cumulative amount of funds that is added the account balance for holding the positions overnight.	Number
usedMarginSell	The amount of funds currently committed to maintain Sell positions.	Number
usedMarginBuy	The amount of funds currently committed to maintain Buy positions.	Number
isSellDisabled		Boolean
isBuyDisabled		Boolean
plBuy	The current profit/loss of all Buy positions. It does not include commissions and interests.	Number
amountK	The sum of amounts of all positions in thousand units.	Number
currencyPoint		Number
grossPL	The current profit/loss of all positions. It does not include commissions and interests.	Number

netPL	The current profit/loss of all positions. It includes commissions and interests.	Number
netStop		Number
netStopMove		Number
netLimit		Number
isTotal	Indicates the row is a summary of for whole table.	Boolean
action	Type of update. Only applicable to updates through the socket. Possible values are: I – Insert U – Update D – Delete	String

Sample Response

"summary":[{"t":5,"ratePrecision":5,"offerId":1,"currency":"EUR/USD","plSell":6.09,"amountKSell":7,"avgSell":1.19719,"closeBuy":1.19632,"closeSell":0,"avgBuy":0,"amountKBuy":0,"rollSum":0,"usedMarginSell":182,"usedMarginBuy":0,"isSellDisabled":false,"isBuyDisabled":true,"plBuy":0,"amountK":-7,"currencyPoint":-0.7,"grossPL":6.09,"netPL":1.09,"netStop":0,"netStopMove":0,"netLimit":0}]

5.4.6 Accounts table

This section describes the Accounts table that contains the trading account data such as funds used in trading, idle funds, profits/losses, certain account limitations, and so on.

RESPONSE		
Parameter	**Description**	**Values**
t	ID number of the table	6
ratePrecision	The price precision of the instrument. It defines number of digits after the decimal point in the instrument price quote.	Number
accountId	The unique identification number of the account the position is opened on. The number is unique within the database where the account is stored.	String
balance	The amount of funds on the account. This amount does not include floating profit and loss	Number
usdMr	The amount of funds used to maintain all open positions on the account.	Number
mc	The limitation state of the account. Each state defines the operations that can be performed on the account. The possible values are: Y – Margin call (all positions are liquidated, new positions cannot be opened). W – Warning of a possible margin call (positions may be closed, new positions cannot be opened). Q – Equity stop (all positions are liquidated, new positions cannot be opened up to the end of the trading day). A – Equity alert (positions may be closed, new positions cannot be opened up to the end of the trading day). N – No limitations (no limitations are imposed on the account operations).	String
accountName	The unique name of the account the position is opened on. The name is unique within the database where the account is stored.	String
usdMr3	The amount of funds used to maintain all open positions on the account with the three-level margin policy.	Number

hedging	The type of the position maintenance. It defines how trade operations can be performed on the account. The possible values are: Y – Hedging is allowed. In other words, both buy and sell positions can be opened for the same instrument at the same time. To close each buy or sell position, an individual order is required. N – Hedging is not allowed. In other words, either a buy or a sell position can be opened for the same instrument at a time. Opening a position for the instrument that already has open position(s) of the opposite trade operation always causes closing or partial closing of the open position(s). 0 – Netting only. In other words, for each instrument there exists only one open position. The amount of the position is the total amount of the instrument, either bought or sold, that has not yet been offset by opposite trade operations. D – Day netting. In other words, for each instrument there exists only one open position. Same as Netting only, but within a trading day. If the position is not offset during the same trading day it is opened, it is closed automatically on simulated delivery date. F – FIFO. Positions open and close in accordance with the FIFO (First-in, First-out) rule. Hedging is not allowed.	String
usableMargin3		Number
usableMarginPerc		Number
usableMargin3Perc		Number
equity	The amount of funds on the account, including profits and losses of all open positions (the floating balance of the account).	Number
usableMargin	The amount of funds available to open new positions or to absorb losses of the existing positions.	Number
dayPL	The amount of profits and losses (both floating and realized) of the current trading day.	Number
grossPL	The amount of profits and losses of all open positions on the account.	Number
isTotal	Indicates the row is a summary of for whole table.	Boolean
action	Type of update. Only applicable to updates through the socket. Possible values are: I – Insert U – Update D – Delete	String

Sample Response

"accounts":[{"t":6,"ratePrecision":0,"accountId":"1027808","balance":39208.63,"usdMr":116,"mc":"N","accountName":"01027808","usdMr3":58,"hedging":"N","usableMargin3":39152.26234,"usableMarginPerc":99.70416,"usableMargin3Perc":99.85208,"equity":39210.26234,"usableMargin":39094.26234,"dayPL":-63.21766,"grossPL":1.63234}]

6 Trading Orders

6.1 /trading/open_trade

REQUEST

Header	Description	Values	Req
Method	HTTP method	POST	Y

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Email: api@fxcm.com ● www.fxcm.com

URI	Resource	/trading/open_trade	Y
Parameter	**Description**	**Values**	**Req'd**
account_id	The trade's account identifier. Can be found in Accounts trading table as accountId 5.4.6. Not to be confused with accountName.	String	Y
symbol	The trade's currency pair or instrument.	String	Y
is_buy	Defines the order's market side. Valid values: 'true', 'false'. If 'true, order is a buy. If 'false', order is a sell.	Boolean	Y
amount	The trade's amount in lots.	String	Y
stop	Rate of the stop order attached to the position created by the AtMarket or MarketRange order's execution.	Number	N
trailing_step	Rate of the limit order attached to the position created by the AtMarket or MarketRange order's execution.	Number	N
limit	Rate of the limit order attached to the position created by the AtMarket or MarketRange order's execution.	Number	N
is_in_pips	Defines if the trade's stop/limit rate is in pips.	Boolean	N
at_market	For MarketRange orders, the 'at_market' value is added to the BBO to define the market range. If not sent, a value of 0 is used.	Number	N
order_type	The type of the order execution. Market Order type choices: "AtMarket", "MarketRange".	String	Y
time_in_force	For AtMarket orders, valid value are: DAY, GTC, IOC, FOK. For MarketRange orders, valid values are: IOC, FOK.	String	Y

Sample Request

```
POST /trading/open_trade HTTP/1.1
Content-Type: application/x-www-form-urlencoded
Authorization: Bearer n5BoWSRFJvYi2GEQAAKya11f7bc3d6b14ff77f65dd9d21df16ac1b4c41ea
Host: api.fxcm.com
Connection: close
Transfer-Encoding: chunked

ba
account_id=01027808&symbol=EUR%2FUSD&is_buy=false&rate=0&amount=10&at_market=0&order_type=AtMark
et&time_in_force=FOK
0
```

Response

Parameter	Description	Values
executed	Execution successful	Boolean
data	Contains array of created orders.	Array of Objects
type	Defines the type of the order.	Number
orderID	The order identifier.	Number

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Email: api@fxcm.com ● www.fxcm.com

Sample Response

```
HTTP/1.1 200 OK
Vary: X-HTTP-Method-Override
Access-Control-Allow-Methods: GET,PUT,POST,DELETE
Access-Control-Allow-Headers: X-Requested-With, X-HTTP-Method-Override, Content-Type, Accept
X-Content-Type-Options: nosniff
Content-Type: application/json; charset=utf-8
Content-Length: 42
ETag: W/"2a-hJHeaXvf4OSF9grD6BYptQ"
Date: Fri, 18 Aug 2017 21:05:21 GMT
Connection: close
Set-Cookie: BIGipServerapi.fxcm.com=3698998282.42783.0000; path=/; Httponly; Secure
Last-Modified: Fri, 18 Aug 2017 21:05:21 UTC

{"response":{"executed":true},"data":{"type":0,"orderId":81712802}}
```

6.2 /trading/close_trade

REQUEST

Header	Description	Values	Req
Method	HTTP method	POST	Y
URI	Resource	/trading/close_trade	Y
Parameter	**Description**	**Values**	**Req'd**
trade_id	The trade identifier	String	Y
rate	The trade's rate.	Number	N
amount	The trade's amount in lots.	Number	Y
at_market	Defines the market range.	Number	Y*
order_type	The type of the order execution. Market Order type choices: "AtMarket", "MarketRange".	String	Y
time_in_force	The time in force of the order execution. Time in force choices: "IOC", "GTC", "FOK", "DAY", "GTD".	String	Y

Sample Request

```
POST /trading/close_trade HTTP/1.1
Content-Type: application/x-www-form-urlencoded
Authorization: Bearer n5BoWSRFJvYi2GEQAAKya11f7bc3d6b14ff77f65dd9d21df16ac1b4c41ea
Host: api.fxcm.com
Connection: close
Transfer-Encoding: chunked

9a
trade_id=81713394&rate=0&amount=8&at_market=0&order_type=AtMarket&time_in_force=GTC
0
```

Conditional Requirements

*) at_market is required if order_type is set to "MarketRange"

RESPONSE

Parameter	Description	Values
executed	Execution successful	Boolean
data	Contains array of created orders.	Array of Objects
type	Defines the type of the order.	Number
orderID	The order identifier.	Number

Sample Response

```
HTTP/1.1 200 OK
Vary: X-HTTP-Method-Override
Access-Control-Allow-Methods: GET,PUT,POST,DELETE
Access-Control-Allow-Headers: X-Requested-With, X-HTTP-Method-Override, Content-Type, Accept
X-Content-Type-Options: nosniff
Content-Type: application/json; charset=utf-8
Content-Length: 42
ETag: W/"2a-hJHeaXvf4OSF9grD6BYptQ"
Date: Fri, 18 Aug 2017 21:06:49 GMT
Connection: close
Set-Cookie: BIGipServerapi.fxcm.com=3698998282.42783.0000; path=/; Httponly; Secure
Last-Modified: Fri, 18 Aug 2017 21:06:49 UTC

{"response":{"executed":true},"data":{"type":0,"orderId":81713394}}
```

6.3 /trading/change_order

REQUEST

Header	Description	Values	Req
Method	HTTP method	POST	Y
URI	Resource	/trading/change_order	Y
Parameter	**Description**	**Values**	**Req'd**
order_id	The order identifier.	String	Y
rate	The order's new rate.	Number	Y
range	The order's range (is used for "RangeEntry" orders only).	Number	Y
amount	The trade's amount in lots.	String	Y
trailing_step	The trailing step for the stop rate.	Number	N

Sample Request

```
POST /trading/change_order HTTP/1.1
Content-Type: application/x-www-form-urlencoded
Authorization: Bearer n5BoWSRFJvYi2GEQAAKya11f7bc3d6b14ff77f65dd9d21df16ac1b4c41ea
Host: api.fxcm.com
Connection: close
Transfer-Encoding: chunked

82
order_id=235045369&rate=1.7&range=0&amount=1&trailing_step=2
0
```

RESPONSE

Parameter	Description	Values
executed	Execution successful	Boolean
Data	Always null	Null

Sample Response

```
HTTP/1.1 200 OK
Vary: X-HTTP-Method-Override
Access-Control-Allow-Methods: GET,PUT,POST,DELETE
Access-Control-Allow-Headers: X-Requested-With, X-HTTP-Method-Override, Content-Type, Accept
X-Content-Type-Options: nosniff
Content-Type: application/json; charset=utf-8
Content-Length: 42
ETag: W/"2a-hJHeaXvf4OSF9grD6BYptQ"
Date: Tue, 22 Aug 2017 12:37:52 GMT
Connection: close
Set-Cookie: BIGipServerapi.fxcm.com=3698998282.42783.0000; path=/; Httponly; Secure
Last-Modified: Tue, 22 Aug 2017 12:37:52 UTC

{"response":{"executed":true},"data":null}
```

6.4 /trading/delete_order

REQUEST

Header	Description	Values	Req
Method	HTTP method	POST	Y
URI	Resource	/trading/delete_order	Y
Parameter	**Description**	**Values**	**Req'd**
order_id	The order's identifier	String	Y

Sample Request

```
POST /trading/delete_order HTTP/1.1
Content-Type: application/x-www-form-urlencoded
Authorization: Bearer n5BoWSRFJvYi2GEQAAKya11f7bc3d6b14ff77f65dd9d21df16ac1b4c41ea
Host: api.fxcm.com
Connection: close
Transfer-Encoding: chunked

58
order_id=235045369
0
```

RESPONSE

Parameter	Description	Values
executed	Execution successful	Boolean
Data	Always null	null

Sample Response

```
HTTP/1.1 200 OK
Vary: X-HTTP-Method-Override
Access-Control-Allow-Methods: GET,PUT,POST,DELETE
Access-Control-Allow-Headers: X-Requested-With, X-HTTP-Method-Override, Content-Type, Accept
X-Content-Type-Options: nosniff
Content-Type: application/json; charset=utf-8
Content-Length: 42
ETag: W/"2a-hJHeaXvf4OSF9grD6BYptQ"
Date: Fri, 18 Aug 2017 21:12:26 GMT
Connection: close
Set-Cookie: BIGipServerapi.fxcm.com=3698998282.42783.0000; path=/; Httponly; Secure
Last-Modified: Fri, 18 Aug 2017 21:12:26 UTC

{"response":{"executed":true},"data":null}
```

6.5 /trading/create_entry_order

REQUEST

Header	Description	Values	Req
Method	HTTP method	POST	Y
URI	Resource	/trading/create_entry_order	Y
Parameter	**Description**	**Values**	**Req'd**
account_id	The trade's account identifier. Can be found in Accounts trading table as accountId 5.4.6. Not to be confused with accountName.	String	Y
symbol	The trade's symbol.	String	Y
is_buy	Defines the trade's market side (if true, then buy trade, otherwise sell trade). Temporarily not required by the server and defaults to true but this will change.	Boolean	N
rate	The trade's rate.	Number	N
amount	The trade's amount in lots.	String	Y
stop	The trade's stop rate.	Number	N
trailing_step	The trailing step for the stop rate.	Number	N
trailing_stop_step	The trailing step for the order stop rate.	Number	N
limit	The trade's limit rate.	Number	Y
is_in_pips	Defines if the trade's stop/limit rate is in pips.	Boolean	Y
range	The order's range for "RangeEntry"	Number	N
order_type	The type of order = "Entry" or "RangeEntry"	String	Y
time_in_force	Valid values: "GTC","DAY","GTD","IOC","FOK"	String	Y
expiration	The order's expiration date for GTD. Format is "YYYY-MM-DD hh:mm" or "YYYY-MM-DD" in UTC. Not including time sets the expiration at start of trading day.	String	N

Sample Request

```
POST /trading/create_entry_order HTTP/1.1
Content-Type: application/x-www-form-urlencoded
Authorization: Bearer n5BoWSRFJvYi2GEQAAKya11f7bc3d6b14ff77f65dd9d21df16ac1b4c41ea
Host: api.fxcm.com
Connection: close
Transfer-Encoding: chunked

be
account_id=01027808&symbol=EUR%2FUSD&is_buy=true&rate=1.16&is_in_pips=false&amount=10&order_type
=Entry&time_in_force=GTC
0
```

RESPONSE

Parameter	Description	Values
executed	Execution successful	Boolean
data	Contains array of created orders.	Array of Objects
type	Defines the type of the order.	Number
orderID	The order identifier.	Number

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Sample Response

```
HTTP/1.1 200 OK
Vary: X-HTTP-Method-Override
Access-Control-Allow-Methods: GET,PUT,POST,DELETE
Access-Control-Allow-Headers: X-Requested-With, X-HTTP-Method-Override, Content-Type, Accept
X-Content-Type-Options: nosniff
Content-Type: application/json; charset=utf-8
Content-Length: 42
ETag: W/"2a-hJHeaXvf4OSF9grD6BYptQ"
Date: Tue, 22 Aug 2017 12:51:08 GMT
Connection: close
Set-Cookie: BIGipServerapi.fxcm.com=3698998282.42783.0000; path=/; Httponly; Secure
Last-Modified: Tue, 22 Aug 2017 12:51:08 UTC

{"response":{"executed":true},"data":{"type":0,"orderId":81716002}}
```

6.6 /trading/simple_oco

REQUEST

Header	Description	Values	Req
Method	HTTP method	POST	Y
URI	Resource	/trading/open_trade	Y
Parameter	**Description**	**Values**	**Req'd**
account_id	The trade's account identifier. Can be found in Accounts trading table as accountId 5.4.6. Not to be confused with accountName.	String	Y
symbol	The trade's symbol.	String	Y
amount	The trade's amount in lots.	String	Y
is_in_pips	Defines if the order's stop/limit rate is in pips.	Boolean	Y
time_in_force	The time in force of the order execution. Time in force choices: "IOC", "GTC", "FOK", "DAY", "GTD".	String	Y
expiration	The order's expiration date. Format is "YYYY-MM-DD hh:mm" or "YYYY-MM-DD" in UTC. Not including time sets the expiration at start of trading day.	String	Y
is_buy	Defines the trade's market side (if true, then buy trade, otherwise sell trade). Temporarily not required by the server and defaults to true but this will change.	Boolean	N
rate	The trade's rate.	Number	Y
stop	The trade's stop rate.	Number	Y
trailing_step	The trailing step for the stop rate.	Number	Y
trailing_stop_step	The trailing step for the first order's stop rate.	Number	Y
limit	The trade's limit rate.	Number	Y
is_in_pips	Defines if the trade's stop/limit rate is in pips.	Boolean	Y
at_market	Defines the market range.	Number	Y

order_type	The type of the order execution. Market Order type choices: “AtMarket”, “MarketRange”.	String	Y
is_buy2	Defines the trade‘s market side (if true, then buy trade, otherwise sell trade). Temporarily not required by the server and defaults to true but this will change.	Boolean	N
rate2	The second order‘s rate.	Number	Y
stop2	The second order‘s stop rate.	Number	Y
trailing_step2	The trailing step for the second order‘s rate.	Number	Y
trailing_stop_step2	The trailing step for the second order‘s stop rate.	Number	Y
limit2	The second order‘s limit rate.	Number	Y

Sample Request

```
POST /trading/simple_oco HTTP/1.1
Content-Type: application/x-www-form-urlencoded
Authorization: Bearer n5BoWSRFJvYi2GEQAAKya11f7bc3d6b14ff77f65dd9d21df16ac1b4c41ea
Host: api.fxcm.com
Connection: close
Transfer-Encoding: chunked

12f
account_id=01027808&symbol=EUR%2FUSD&amount=10&is_buy=true&is_in_pips=false&time_in_force=GTC&ra
te=1.17&stop=1.16&trailing_step=0&trailing_stop_step=0&limit=1.18&is_buy2=false&rate2=1.09&stop2
=0&trailing_step2=0&trailing_stop_step2=0
0
```

RESPONSE

Parameter	Description	Values
executed	Execution successful	Boolean
Data	Always null	null

Sample Response

```
HTTP/1.1 200 OK
Vary: X-HTTP-Method-Override
Access-Control-Allow-Methods: GET,PUT,POST,DELETE
Access-Control-Allow-Headers: X-Requested-With, X-HTTP-Method-Override, Content-Type, Accept
X-Content-Type-Options: nosniff
Content-Type: application/json; charset=utf-8
Content-Length: 49
ETag: W/"31-L3CcNxew4MPQRwvnuhu6jw"
Date: Tue, 22 Aug 2017 12:53:30 GMT
Connection: close
Set-Cookie: BIGipServerapi.fxcm.com=3698998282.42783.0000; path=/; Httponly; Secure
Last-Modified: Tue, 22 Aug 2017 12:53:30 UTC

{"response":{"executed":true},"data":[null,null]}
```

6.7 /trading/add_to_oco

REQUEST

Header	Description	Values	Req
Method	HTTP method	POST	Y
URI	Resource	/trading/add_to_oco	Y
Parameter	**Description**	**Values**	**Req’d**

orderIds	The list orders identifiers.	String	Y
ocoBulkId	The oco bulk identifier (if equals zero then new oco order will be created).	Number	Y

Sample Request

```
POST /trading/add_to_oco HTTP/1.1
Content-Type: application/x-www-form-urlencoded
Authorization: Bearer n5BoWSRFJvYi2GEQAAKya11f7bc3d6b14ff77f65dd9d21df16ac1b4c41ea
Host: api.fxcm.com
Connection: close
Transfer-Encoding: chunked

77
orderIds=235053902&orderIds=235053904&ocoBulkId=0
0
```

RESPONSE

Parameter	Description	Values
executed	Execution successful	Boolean
Data	Always null	null

Sample Response

```
HTTP/1.1 200 OK
Vary: X-HTTP-Method-Override
Access-Control-Allow-Methods: GET,PUT,POST,DELETE
Access-Control-Allow-Headers: X-Requested-With, X-HTTP-Method-Override, Content-Type, Accept
X-Content-Type-Options: nosniff
Content-Type: application/json; charset=utf-8
Content-Length: 49
ETag: W/"31-L3CcNxew4MPQRwvnuhu6jw"
Date: Sun, 20 Aug 2017 22:43:50 GMT
Connection: close
Set-Cookie: BIGipServerapi.fxcm.com=3698998282.42783.0000; path=/; Httponly; Secure
Last-Modified: Sun, 20 Aug 2017 22:43:50 UTC

{"response":{"executed":true},"data":[null,null]}
```

6.8 /trading/remove_from_oco

REQUEST

Header	Description	Values	Req
Method	HTTP method	POST	Y
URI	Resource	/trading/remove_from_oco	Y
Parameter	**Description**	**Values**	**Req'd**
orderIds	The list orders identifiers.	string[]	Y

Sample Request

```
POST /trading/remove_from_oco HTTP/1.1
Content-Type: application/x-www-form-urlencoded
Authorization: Bearer n5BoWSRFJvYi2GEQAAKya11f7bc3d6b14ff77f65dd9d21df16ac1b4c41ea
Host: api.fxcm.com
Connection: close
Transfer-Encoding: chunked

77
orderIds=235053902&orderIds=235053904&ocoBulkId=0
0
```

RESPONSE

FXCM Group
20 Gresham Street, 4th Floor, London EC2V 7JE, UK
Email: api@fxcm.com ● **www.fxcm.com**

Parameter	Description	Values
executed	Execution successful	Boolean
Data	Always null	null

Sample Response

```
HTTP/1.1 200 OK
Vary: X-HTTP-Method-Override
Access-Control-Allow-Methods: GET,PUT,POST,DELETE
Access-Control-Allow-Headers: X-Requested-With, X-HTTP-Method-Override, Content-Type, Accept
X-Content-Type-Options: nosniff
Content-Type: application/json; charset=utf-8
Content-Length: 49
ETag: W/"31-L3CcNxew4MPQRwvnuhu6jw"
Date: Tue, 22 Aug 2017 12:22:17 GMT
Connection: close
Set-Cookie: BIGipServerapi.fxcm.com=3698998282.42783.0000; path=/; Httponly; Secure
Last-Modified: Tue, 22 Aug 2017 12:22:17 UTC

{"response":{"executed":true},"data":[null,null]}
```

6.9 /trading/edit_oco

REQUEST

Header	Description	Values	Req
Method	HTTP method	POST	Y
URI	Resource	/trading/edit_oco	Y
Parameter	**Description**	**Values**	**Req'd**
ocoBulkId	The oco bulk identifier	Number	Y
addOrderIds	The list orders identifiers to add to the oco order.	String	Y
removeOrderIds	The list orders identifiers to remove from the oco order.	String	Y

Sample Request

```
POST /trading/edit__oco HTTP/1.1
Content-Type: application/x-www-form-urlencoded
Authorization: Bearer n5BoWSRFJvYi2GEQAAKya11f7bc3d6b14ff77f65dd9d21df16ac1b4c41ea
Host: api.fxcm.com
Connection: close
Transfer-Encoding: chunked

77
ocoBulkId=236175794&addOrderIds=235053904&ocoBulkId=0
0
```

RESPONSE

Parameter	Description	Values
executed	Execution successful	Boolean
Data	Always null	null

Sample Response

6.10 /trading/change_trade_stop_limit

REQUEST

Header	Description	Values	Req
Method	HTTP method	POST	Y
URI	Resource	/trading/change_trade_stop_limit	Y
Parameter	**Description**	**Values**	**Req'd**
trade_id	The trade identifier.	String	Y
is_stop	Defines stop or limit should be changed (if true, then stop should be changed, otherwise limit).	Boolean	Y
rate	The new rate for the trade's stop/limit order.	Number	Y
is_in_pips	Defines if the order's stop/limit rate is in pips.	Boolean	Y
trailing_step	The trailing step for the stop rate.	Number	Y

Sample Request

```
POST /trading/change_trade_stop_limit HTTP/1.1
Content-Type: application/x-www-form-urlencoded
Authorization: Bearer n5BoWSRFJvYi2GEQAAKya11f7bc3d6b14ff77f65dd9d21df16ac1b4c41ea
Host: api.fxcm.com
Connection: close
Transfer-Encoding: chunked

77
trade_id=122835946&is_stop=true&rate=1.19611&is_in_pips=false&trailing_step=0
0
```

RESPONSE

Parameter	Description	Values
executed	Execution successful	Boolean
Data	Always null	null

Sample Response

```
HTTP/1.1 200 OK
Vary: X-HTTP-Method-Override
Access-Control-Allow-Methods: GET,PUT,POST,DELETE
Access-Control-Allow-Headers: X-Requested-With, X-HTTP-Method-Override, Content-Type, Accept
X-Content-Type-Options: nosniff
Content-Type: application/json; charset=utf-8
Content-Length: 42
ETag: W/"2a-hJHeaXvf4OSF9grD6BYptQ"
Date: Fri, 18 Aug 2017 21:17:10 GMT
Connection: close
Set-Cookie: BIGipServerapi.fxcm.com=3698998282.42783.0000; path=/; Httponly; Secure
Last-Modified: Fri, 18 Aug 2017 21:17:10 UTC

{"response":{"executed":true},"data":null}
```

6.11 /trading/change_order_stop_limit

REQUEST

Header	Description	Values	Req
Method	HTTP method	POST	Y
URI	Resource	/trading/open_trade	Y
Parameter	**Description**	**Values**	**Req'd**
order_id	The order identifier.	String	Y

limit	The new rate for the trade's limit order.	Number	Y
is_limit_in_pips	Defines if the order's limit rate is in pips.	Boolean	Y
stop	The new rate for the trade's stop order.	Number	Y
is_stop_in_pips	Defines if the order's stop rate is in pips.	Boolean	Y
trailing_step	The trailing step for the stop rate.	Number	N

Sample Request

```
POST /trading/change_order_stop_limit HTTP/1.1
User-Agent: request
Accept: application/json
Content-Type: application/x-www-form-urlencoded
Authorization: Bearer 4hACTl5oon9EvtM8AARAa11f7bc3d6b14ff77f65dd9d21df16ac1b4c41ea
Host: api-demo.fxcm.com
Connection: close
Transfer-Encoding: chunked

53
order_id=72513348&limit=1.19&is_limit_in_pips=false&stop=1.18&is_stop_in_pips=false
0
```

RESPONSE

Parameter	Description	Values
executed	Execution successful.	Boolean
data	Contains array of modified orders.	Array of Objects
type	Defines the type of the order.	Number
orderID	The order identifier.	Number

Sample Response

```
HTTP/1.1 200 OK
Vary: X-HTTP-Method-Override
Access-Control-Allow-Methods: GET,PUT,POST,DELETE
Access-Control-Allow-Headers: X-Requested-With, X-HTTP-Method-Override, Content-Type, Accept
X-Content-Type-Options: nosniff
Content-Type: application/json; charset=utf-8
Content-Length: 99
ETag: W/"63-Yx45ecYLqzqI+h55XtkeqA"
Date: Wed, 10 Jan 2018 16:44:21 GMT
Connection: close
Last-Modified: Wed, 10 Jan 2018 16:44:21 UTC
```

{"response":{"executed":true},"data":[{"type":0,"orderId":72513878},{"type":0,"orderId":72513881}]}

6.12 /trading/close_all_for_symbol

REQUEST

Header	Description	Values	Req
Method	HTTP method	POST	Y
URI	Resource	/trading/close_all_for_symbol	Y
Parameter	**Description**	**Values**	**Req'd**
account_id	The order's account identifier. Can be found in Accounts trading table as accountId 5.4.6. Not to be confused with accountName.	String	Y
forSymbol	Defines if trades should be closed for the specified symbol.	Boolean	Y

symbol	The trades symbol.	String	Y
order_type	The type of the order execution. Market Order type choices: “AtMarket”, “MarketRange”.	String	Y
time_in_force	The time in force of the order execution. Time in force choices: “IOC”, “GTC”, “FOK”, “DAY”, “GTD”.	String	Y

Sample Request

```
POST /trading/close_all_for_symbol HTTP/1.1
Content-Type: application/x-www-form-urlencoded
Authorization: Bearer n5BoWSRFJvYi2GEQAAKya11f7bc3d6b14ff77f65dd9d21df16ac1b4c41ea
Host: api.fxcm.com
Connection: close
Transfer-Encoding: chunked

9f
account_id=01027808&forSymbol=true&symbol=EUR%2FUSD&order_type=AtMarket&time_in_force=GTC
0
```

RESPONSE

Parameter	Description	Values
executed	Execution successful	Boolean
Data	Always null	null

Sample Response

```
HTTP/1.1 200 OK
Vary: X-HTTP-Method-Override
Access-Control-Allow-Methods: GET,PUT,POST,DELETE
Access-Control-Allow-Headers: X-Requested-With, X-HTTP-Method-Override, Content-Type, Accept
X-Content-Type-Options: nosniff
Content-Type: application/json; charset=utf-8
Content-Length: 42
ETag: W/"2a-hJHeaXvf4OSF9grD6BYptQ"
Date: Fri, 18 Aug 2017 21:12:43 GMT
Connection: close
Set-Cookie: BIGipServerapi.fxcm.com=3698998282.42783.0000; path=/; Httponly; Secure
Last-Modified: Fri, 18 Aug 2017 21:12:43 UTC

{"response":{"executed":true},"data":null}
```

7 Historical Data

Allow user to retrieve candles for a given instrument at a given time frame. If time range is specified, number of candles parameter is ignored, but still required.

REQUEST

Header	Description	Values	Req’d
Method	HTTP method	GET	Y
URI	Resource	/candles/{offer_id}/{period_id}	Y
{offer_id}	ID of requested symbol	Integer from Offer trading table (see section 5.4.1)	Y
{period_id}	Requested timeframe	String, one of: m1,m5,m15,m30,H1,H2,H3,H4,H6,H8,D1,W1,M1	Y
Parameter	**Description**	**Values**	**Req’d**
num	Number of candles requested	Integer value between 1 and 10,000	Y
from	Beginning of time range	Integer representing Epoch time in seconds	N

to	End of time range	Integer representing Epoch time in seconds	N

Sample Request

```
GET /candles/1/h1/?num=10
HTTP/1.1
User-Agent: request
Accept: application/json
Content-Type: application/x-www-form-urlencoded
Authorization: Bearer n5BoWSRFJvYi2GEQAAKya11f7bc3d6b14ff77f65dd9d21df16ac1b4c41ea
Host: www-beta3.fxcorporate.com
Connection: close
```

Response

Parameter	Description	Values
executed	Execution successful	Boolean
error	Error text. Empty if no error	String
instrument_id	ID of requested symbol	Integer from Offer trading table (see section 5.4.1)
period_id	Timeframe of the candles	String, one of: m1,m5,m15,m30,H1,H2,H3,H4,H6,H8,D1,W1,M1
candles	Array of candles	Format of candles: [timestamp (epoch), BidOpen, BidClose, BidHigh, BidLow, AskOpen, AskClose, AskHigh, AskLow, TickQty]

Sample Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Methods: GET,PUT,POST,DELETE
Access-Control-Allow-Headers: X-Requested-With, X-HTTP-Method-Override, Content-Type, Accept
X-Content-Type-Options: nosniff
Content-Type: application/json; charset=utf-8
Content-Length: 903
ETag: W/"387-HuKY4xMbqr0aSMecoNI5XA"
Date: Thu, 22 Jun 2017 18:58:26 GMT
Connection: close
Last-Modified: Thu, 22 Jun 2017 18:58:26 UTC
Cache-Control: public, max-age=86400
Strict-Transport-Security: max-age=31536000; includeSubDomains
Vary: Accept-Encoding
```


```
{"response":{"executed":true,"error":""},"instrument_id":"1","period_id":"h1",
"candles":
[[1498125600,1.11641,1.11643,1.11664,1.11592,1.11664,1.11667,1.11688,1.11616,10423],
[1498129200,1.11643,1.11641,1.11654,1.11558,1.11667,1.11664,1.11677,1.1158,11229],
[1498132800,1.11641,1.116,1.11712,1.11578,1.11664,1.11622,1.11735,1.11602,16846],
[1498136400,1.116,1.11586,1.1163,1.11513,1.11622,1.1161,1.11653,1.11537,18744],
[1498136400,1.116,1.11586,1.1163,1.11513,1.11622,1.11611,1.11653,1.11537,18743],
[1498140000,1.11586,1.11558,1.11613,1.11495,1.1161,1.11582,1.11637,1.11518,20571],
[1498140000,1.11586,1.11558,1.11613,1.11495,1.1161,1.11582,1.11637,1.11518,20572],
[1498143600,1.11558,1.11457,1.116,1.11442,1.11582,1.11481,1.11623,1.11466,15800],
[1498147200,1.11457,1.11542,1.11549,1.11457,1.11481,1.11566,1.11572,1.11481,7491],
[1498150800,1.11542,1.1142,1.11563,1.11382,1.11566,1.11444,1.11588,1.11406,8687]]}
```