

LAUNCH FTSRT: FROM THE FTS SYSTEM MANAGER

FTS System Manager

User Tips Moderators Options Help

FTS System Manager

Student Applications Moderator Applications

Student Applications

--- FTS RT Client (2020 Version)

Download again before running

Run Selected Application

Configuration information received

FTS Real Time Client with Socket Python Interface, Financial Ratios

Back Forward Refresh Stop

- **Instructors/Moderators**
 - Contact us to set up trading names and passwords for your students
 - You have to select which cases you want to use.
 - The available cases are [listed here](#).
 - [FTS Real Time Teaching Guide](#). This also includes a description of the student projects.
 - [Guide to Features](#) of the FTS Real Time Client
 - [Video Guide to the FTS Real Time Client](#)
- **Students**
 - Instructor assigns you the trading case, trading name, and password
 - Select the "FTS Real Time Client" in the dropdown menu to the left, then click "Run Selected Application"
 - Select the trading, enter your trading name and password, and click Login
 - [Quick Guide to Features](#) of the FTS Real Time Client
 - [Excel Interface](#)
 - [Python Interface](#)
 - [The FTS Real Time Projects](#)
 - The [Mobile, Mac and Windows Version of the FTS Real Time Trader](#)

LOGIN TO RTFTS

- Select your trading case
- Enter trading name, password
- Login

The screenshot shows the 'FTS Real Time Client' window. The 'Login' tab is active. The form contains the following fields and controls:

- Select Trading Case:** A dropdown menu currently showing 'FTS 500 Stocks Case'. A red arrow points to this dropdown.
- Server IP Address:** A text box containing '#####'. A red arrow points to this field.
- Port Number:** A text box containing '23566'.
- Enter Trading Name:** An empty text box. A red arrow points to this field.
- Enter Password:** An empty password field. A red arrow points to this field.
- Login/Logout Buttons:** Two buttons at the bottom. A red arrow points to the 'Login' button.

To the right of the main form is a 'Change Password' dialog box with the following fields:

- New Password:** An empty text box.
- Re-enter new password:** An empty text box.
- Show Characters:** A checkbox that is currently unchecked.
- E-mail address:** An empty text box.
- Submit/Cancel Buttons:** Two buttons at the bottom of the dialog.

At the bottom of the window, there is a banner for 'FTS REAL TIME SYSTEM' with a background of green digital data and a computer monitor. The status bar at the very bottom reads 'Nothing Selected'.

POSITION AND TRADE TAB

FTS Real Time Client

File Edit Help

Server Time: 8/21/2020 11:11:06 AM Global Value: 1,000,041.69

login Position and Trade Limit Orders Reports API Stock Research

Security	Ticker	Position	Last	Value
US Dollar Value				1,000,041.69
US Dollar	USDUSD	1,000,041.69	1.00	1,000,041.69

Trade

Enter Ticker, Click Go

Trade Type

Enter Quantity

Tickers

Double click a ticker to trade it

Search for Ticker

Ticker	Security
USDUSD	US Dollar
A	Agilent Technologies Inc.
AAL	American Airlines Group Inc.
AAP	Advance Auto Parts Inc.
AAPL	Apple Inc.
ABBV	AbbVie Inc.
ABC	AmerisourceBergen Corporation
ABMD	ABIOMED Inc.
ABT	Abbott Laboratories
ACN	Accenture Plc Class A
ADBE	Adobe Inc.
ADI	Analog Devices Inc.
ADM	Archer-Daniels-Midland Company
ADP	Automatic Data Processing Inc.
ADSK	Autodesk Inc.
AEE	Ameren Corporation
AEP	American Electric Power Company Inc.

Enter a ticker in the dropdown and click Go or double click a displayed ticker. Available trade choices will appear. Select a trade, click “Submit Order”

These are “market orders”

Security	Ticker	Position	Last	Value
US Dollar Value				1,000,041.69
US Dollar	USDUSD	1,000,041.69	1.00	1,000,041.69

US Dollar	US Dollar Values
Cash Position	1,000,041.69
Cash Borrowed	0.00
Credit Remaining	100,000.00
Buy VWAP	0.00000
Sell VWAP	0.00000

Trade

Enter Ticker, Click Go

Trade Type

Enter Quantity

- Please select the trade...
- Cash Purchase
- Cash Sale
- Margin Purchase
- Margin Sale
- Short Sell
- Short Cover

American Airlines Group Inc.	
Position Value	
Position	0
Cash Purchases	0
Margin Purchases	0
Short Sales	0
Div's Receivable	0.00
Buy VWAP	0.00
Sell VWAP	0.00
Buy Volume	0.00
Sell Volume	0.00

Tickers

Double click a ticker to trade it

Search for Ticker

Ticker	Security
USDUSD	US Dollar
A	Agilent Technologies Inc.
AAL	American Airlines Group Inc.
AAP	Advance Auto Parts Inc.
AAPL	Apple Inc.
ABBV	AbbVie Inc.
ABC	AmerisourceBergen Corporation
ABMD	ABIOMED Inc.
ABT	Abbott Laboratories
ACN	Accenture Plc Class A
ADBE	Adobe Inc.
ADI	Analog Devices Inc.
ADM	Archer-Daniels-Midland Company
ADP	Automatic Data Processing Inc.
ADSK	Autodesk Inc.
AEE	Ameren Corporation
AEP	American Electric Power Company Inc.

EXAMPLE TRADE: BUY 100 SHARES OF AAPL

FTS Real Time Client

File Edit Help

Server Time: 8/21/2020 11:14:38 AM Global Value: 1,000,041.25

Login Position and Trade Limit Orders Reports API Stock Research

Security	Ticker	Position	Last	Val
US Dollar Value				1.0
US Dollar	USDUSD	998,791.25	1.00	99
American Airlines Group Inc.	AAL	100.00	12.50	

Trade

Enter Ticker, Click Go:

Trade Type:

Enter Quantity:

American Airlines Group Inc.	Values
Position Value	1,240.50
Position	100
Cash Purchases	100
Margin Purchases	0
Short Sales	0
Div's Receivable	0.00
Buy VWAP	12.41
Sell VWAP	0.00
Buy Volume	100.00
Sell Volume	0.00

US Dollar	US Dollar Values
Cash Position	998,791.25
Cash Borrowed	0.00
Credit Remaining	100,000.00
Buy VWAP	0.00000
Sell VWAP	0.00000

Tickers

Double click a ticker to trade it

Search for Ticker:

Ticker	Security
USDUSD	US Dollar
A	Agilent Technologies Inc.
AAL	American Airlines Group Inc.
AAP	Advance Auto Parts Inc.
AAPL	Apple Inc.
ABBV	AbbVie Inc.
ABC	AmerisourceBergen Corporation
ABMD	ABIOMED Inc.
ABT	Abbott Laboratories
ACN	Accenture Plc Class A
ADBE	Adobe Inc.
ADI	Analog Devices Inc.
ADM	Archer-Daniels-Midland Company
ADP	Automatic Data Processing Inc.
ADSK	Autodesk Inc.
AEE	Ameren Corporation
AEP	American Electric Power Company Inc.

TRADE TYPES

- Cash purchase: purchase with cash
 - Cash sale: sell shares previously purchased with cash
- Margin purchase: buy on margin
 - Margin sale: sell shares previously purchased on margin
- Short sale: establish a short position
 - Short cover: buy back shares previously sold short
 - Note: positions are netted, so if you have bought shares and then sell short, the shares you own are sold first and then a short position is established with any remaining shares

LIMIT ORDERS

- Same as trading except you specify a limit price at which the trade is to be executed.
- You can submit a limit order, stop order, or a trailing stop order

The screenshot shows the FTS Real Time Client interface. At the top, it displays the server time as 8/21/2020 11:19:38 AM and a global value of 1,000,030.75. The main window is divided into two primary sections: 'Limit Orders' and 'Tickers'.

Limit Orders Section:

- Ticker: AAPL
- Price: 480
- Quantity: 100
- Order Type: Cash Sell
- Trade Type: Limit Order
- Action: Submit New Order
- Submit button

Below the form is a table showing the submitted order:

Order ID	Ticker	Order type	Price	Quantity
1	AAPL	limit cashsell	480.0000	100

Tickers Section:

Double click a ticker to trade it

Search for Ticker: AAPL

Ticker	Security	Quote
USDUSD	US Dollar	1.00
A	Agilent Technologies Inc.	97.78
AAL	American Airlines Group Inc.	12.40
AAP	Advance Auto Parts Inc.	157.44
AAPL	Apple Inc.	473.10
ABBV	AbbVie Inc.	95.20
ABC	AmerisourceBergen Corporation	99.04
ABMD	ABIOMED Inc.	310.01
ABT	Abbott Laboratories	101.63
ACN	Accenture Plc Class A	236.61
ADBE	Adobe Inc.	478.48
ADI	Analog Devices Inc.	117.45
ADM	Archer-Daniels-Midland Company	43.49
ADP	Automatic Data Processing Inc.	139.15
ADSK	Autodesk Inc.	249.15
AEE	Ameren Corporation	80.47
AEP	American Electric Power Company Inc.	79.41

REPORTS AND TRADE CONFIRMATIONS

The screenshot displays the FTS Real Time Client interface. The main window is titled "FTS Real Time Client" and includes a menu bar (File, Edit, Help) and a status bar (Server Time: 8/21/2020 11:27:08 AM, Global Value: 997,755.38). Below the menu bar, there are navigation options: Login, Position and Trade, Limit Orders, Reports, API, and Stock Research. A dropdown menu is set to "P/L Report", with "Go" and "Refresh" buttons below it.

Trader	Security	Date	Time	Action	Quote	Price
ftsdemo1	US Dollar	8/21/2020		Summary	0.00000	1.0
ftsdemo1	Cisco Systems Inc.	8/20/2020	3:19:18 PM	auto cashbuy	42.33	42.3
ftsdemo1	Cisco Systems Inc.	8/21/2020		Summary	41.96500	41.9
ftsdemo1	International Business Machines Corporation	8/20/2020	3:19:18 PM	auto cashbuy	123.425	123.
ftsdemo1	International Business Machines Corporation	8/20/2020	3:20:08 PM	auto cashbuy	123.42	123.
ftsdemo1	International Business Machines Corporation	8/21/2020		Summary	122.66000	122.
ftsdemo1	Amazon.com Inc.	8/20/2020	3:19:18 PM	auto cashbuy	3301.225	3301
ftsdemo1	Amazon.com Inc.	8/21/2020		Summary	3,289.19500	3,289
ftsdemo1	Boeing Company	8/20/2020	3:19:19 PM	auto cashbuy	169.72	169.
ftsdemo1	Boeing Company	8/21/2020		Summary	168.73500	168.
ftsdemo1	Microsoft Corporation	8/20/2020	3:19:19 PM	auto cashbuy	214.545	214.
ftsdemo1	Microsoft Corporation	8/20/2020	3:20:08 PM	auto cashsell	214.305	214.
ftsdemo1	Microsoft Corporation	8/21/2020		Summary	215.02000	215.
ftsdemo1	Automatic Data Processing Inc.	8/21/2020	11:26:59 AM	cashbuy	137.51	137.
ftsdemo1	Automatic Data Processing Inc.	8/21/2020		Summary	137.50000	137.

Below the main table, there is a "Trade Confirmations" window. It has a table with the following data:

Time	Trade Confirmation	Trades Left
8/21/2020 11:26:58 AM	CASHBUY BY FTSTRD1SP500 of 10 of Automatic Data Processing Inc. at 137.51	100

- You can generate reports
 - End of day market values
 - Performance statistics
 - Relative performance
 - Relative to others in your section
 - P/L report as shown here
- Instructors get reports for everyone in the section

API

- Allows you to connect to the FTS RT client with an external application
- An example showing you how to link a Python script and run a trading strategy is given at <http://www.ftsmmodules.com/public/modules/ftsRT/RT2020/>

STOCK RESEARCH

- This is explained using the links at <http://www.ftsmmodules.com/public/modules/ftsRT/RT2020/>