

Real-Time Data

StockDataStream

```
class alpaca.data.live.stock.StockDataStream(api_key: str, secret_key: str,  
    raw_data: bool = False, feed: DataFeed = DataFeed.IEX, websocket_params:  
    Optional[Dict] = None, url_override: Optional[str] = None)
```

A WebSocket client for streaming live stock data.

`async close() → None`

Closes the websocket connection.

`register_trade_cancels(handler: Callable[[Union[TradeCancel, Dict]], Awaitable[None]]) → None`

Register a trade cancel handler. You can only subscribe to trade cancels by subscribing to the underlying trades.

PARAMETERS:

handler (*Callable[[Union[TradeCancel, Dict]], Awaitable[None]]*) – The coroutine callback function to handle the incoming data.

`register_trade_corrections(handler: Callable[[Union[TradeCorrection, Dict]], Awaitable[None]]) → None`

Register a trade correction handler. You can only subscribe to trade corrections by subscribing to the underlying trades.

PARAMETERS:

handler (*Callable[[Union[TradeCorrection, Dict]], Awaitable[None]]*) – The coroutine callback function to handle the incoming data.

`run() → None`

Starts up the websocket connection's event loop

`stop() → None`

Stops the websocket connection.

`async stop_ws() → None`

Signals websocket connection should close by adding a closing message to the `stop_stream_queue`

`subscribeBars(handler: Callable[[Union[Bar, Dict]], Awaitable[None]], *symbols: str) → None`

Subscribe to minute bars

PARAMETERS:

- **handler** (*Callable[[Union[Trade, Dict]], Awaitable[None]]*) – The coroutine callback function to handle the incoming data.
- ***symbols** – List of ticker symbols to subscribe to. "*" for everything.

`subscribe_daily_bars(handler: Callable[[Union[Bar, Dict]], Awaitable[None]], *symbols: str) → None`

Subscribe to daily bars

PARAMETERS:

- **handler** (*Callable[[Union[Bar, Dict]], Awaitable[None]]*) – The coroutine callback function to handle the incoming data.
- ***symbols** – List of ticker symbols to subscribe to. "*" for everything.

```
subscribe_quotes(handler: Callable[[Union[Quote, Dict]], Awaitable[None]],  
    *symbols: str) → None
```

Subscribe to quotes

PARAMETERS:

- **handler** (*Callable[[Union[Trade, Dict]], Awaitable[None]]*) – The coroutine callback function to handle the incoming data.
- ***symbols** – List of ticker symbols to subscribe to. "*" for everything.

```
subscribe_trades(handler: Callable[[Union[Trade, Dict]], Awaitable[None]],  
    *symbols: str) → None
```

Subscribe to trades.

PARAMETERS:

- **handler** (*Callable[[Union[Trade, Dict]], Awaitable[None]]*) – The coroutine callback function to handle the incoming data.
- ***symbols** – List of ticker symbols to subscribe to. "*" for everything.

```
subscribe_trading_statuses(handler: Callable[[Union[TradingStatus, Dict]],  
    Awaitable[None]], *symbols) → None
```

Subscribe to trading statuses (halts, resumes)

PARAMETERS:

- **handler** (*Callable[[Union[TradingStatus, Dict]], Awaitable[None]]*) – The coroutine callback function to handle the incoming data.
- ***symbols** – List of ticker symbols to subscribe to. "*" for everything.

```
subscribe_updated_bars(handler: Callable[[Union[Bar, Dict]],  
    Awaitable[None]], *symbols: str) → None
```

Subscribe to updated minute bars

PARAMETERS:

- **handler** (*Callable[[Union[Bar, Dict]], Awaitable[None]]*) – The coroutine callback function to handle the incoming data.
- ***symbols** – List of ticker symbols to subscribe to. "*" for everything.

```
unsubscribe_bars(*symbols: str) → None
```

Unsubscribe from minute bars

PARAMETERS:

***symbols** (*str*) – List of ticker symbols to unsubscribe from. "*" for everything.

`unsubscribe_daily_bars(*symbols: str) → None`

Unsubscribe from daily bars

PARAMETERS:

***symbols** (*str*) – List of ticker symbols to unsubscribe from. "*" for everything.

`unsubscribe_quotes(*symbols: str) → None`

Unsubscribe from quotes

PARAMETERS:

***symbols** (*str*) – List of ticker symbols to unsubscribe from. "*" for everything.

`unsubscribe_trades(*symbols: str) → None`

Unsubscribe from trades

PARAMETERS:

***symbols** (*str*) – List of ticker symbols to unsubscribe from. "*" for everything.

`unsubscribe_trading_statuses(*symbols: str) → None`

Unsubscribe from trading statuses

PARAMETERS:

***symbols** (*str*) – List of ticker symbols to unsubscribe from. "*" for everything.

`unsubscribe_updated_bars(*symbols: str) → None`

Unsubscribe from updated bars

PARAMETERS:

***symbols** (*str*) – List of ticker symbols to unsubscribe from. "*" for everything.