

Indicators in Bokmap: Cumulative Volume Delta



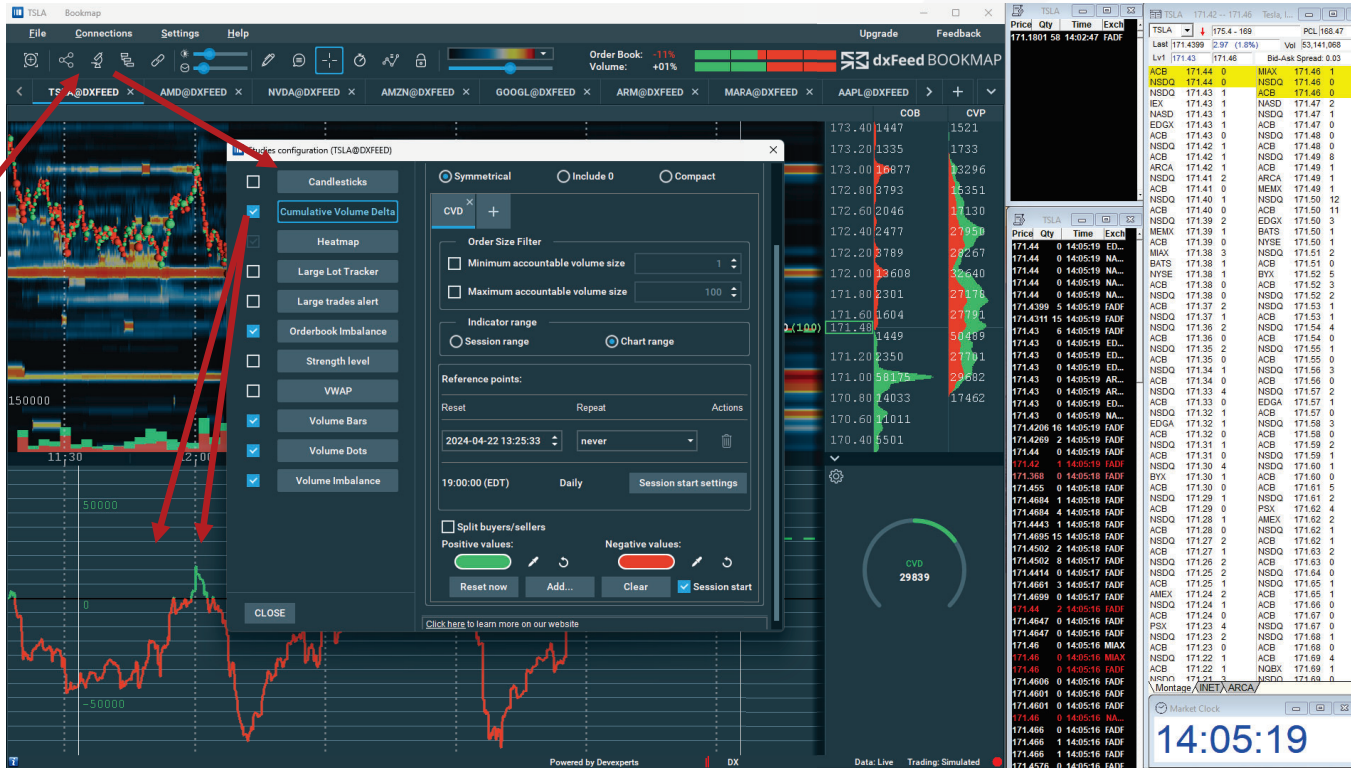
Outline

Indicators in Bookmap:

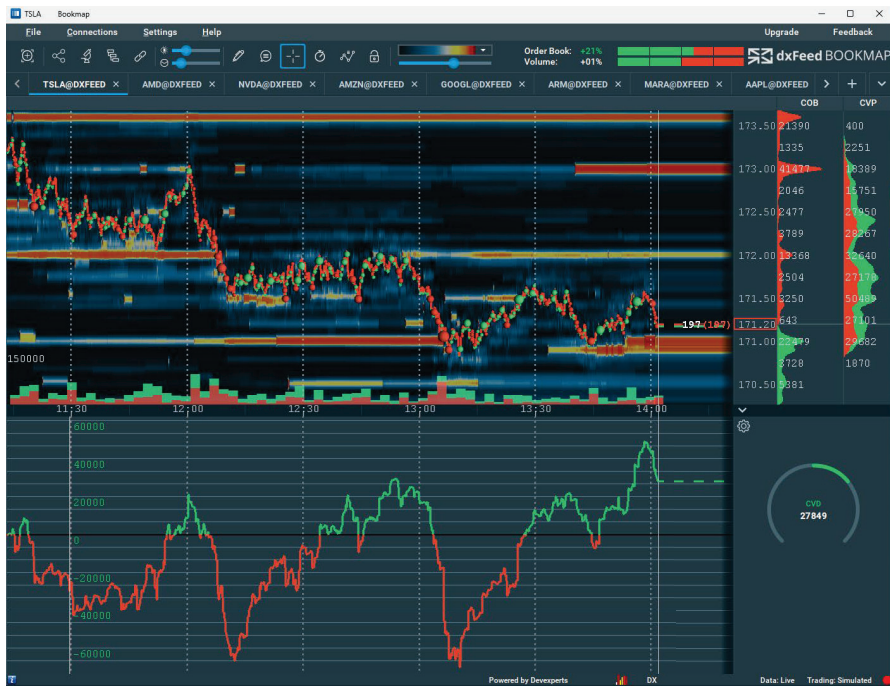
- **Cumulative Volume Delta** is used to monitor **aggressive** market participants (**Market orders**



Cumulative Volume Delta (CVD) Indicator



CVD Indicator is used to identify who is prevailing in the market, aggressive **buyers** or **sellers**.



The **Cumulative Volume Delta (CVD)** shows the cumulative changes (net difference) in volume traded between **buy** and **sell market** orders over a specific time (e.g. each tick).

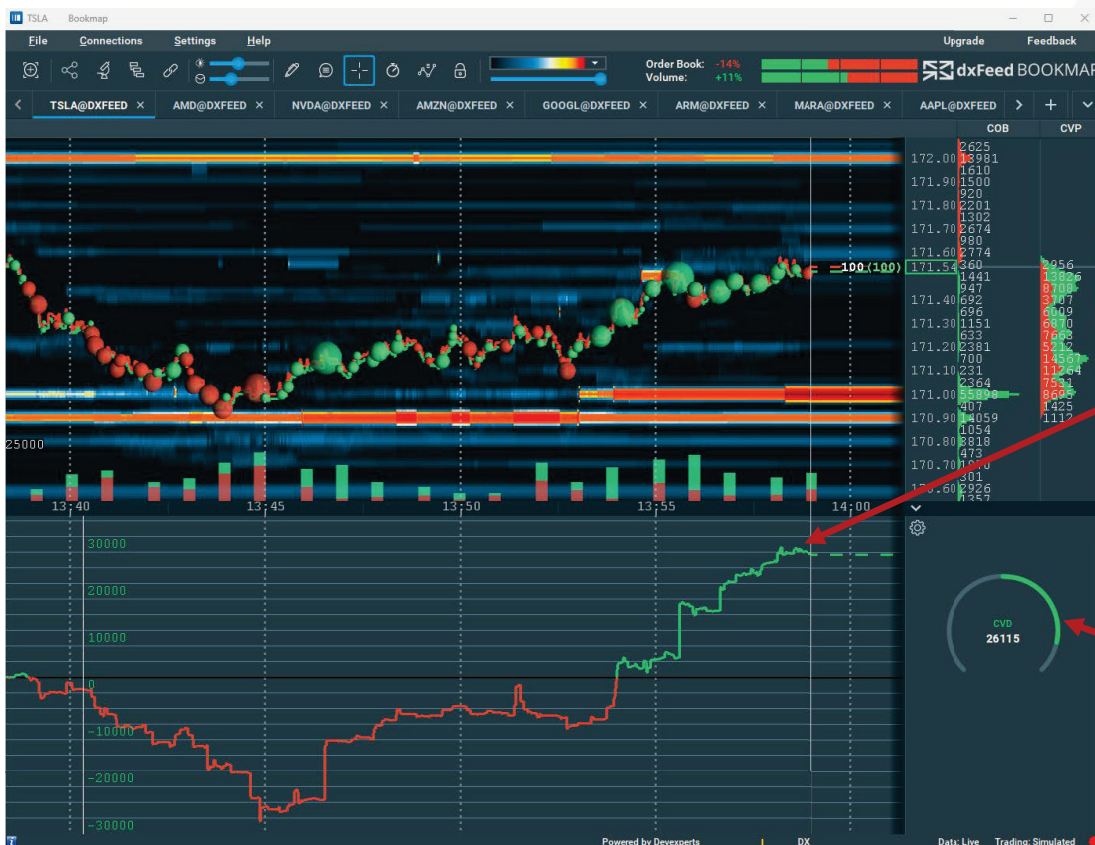
In other words, CVD represents cumulative volume at defined moment in time between aggressive **buy** and aggressive **sell** participants.

CVD = Buying volume (trades on the **Ask**) – **Selling** volume (trades on the **Bid**)

Displayed in sub-chart widget panel.



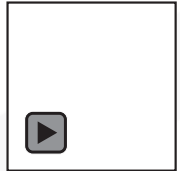
Cumulative Volume Delta (CVD) Indicator: aggressive buyers in charge.



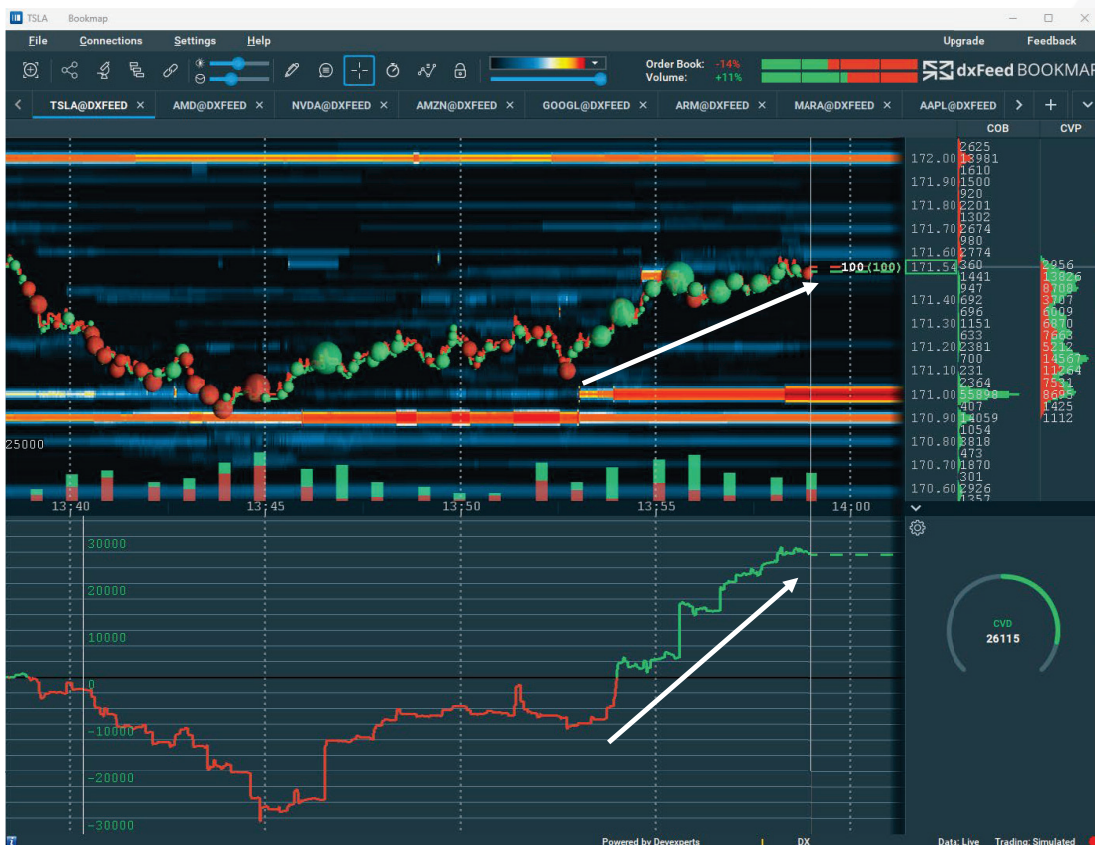
Green line ABOVE number 0 represents more aggressive buyers (more market Buy orders being filled on the Ask).

Same information for current CVD is represented in different way the widget by green line skewed on the speedometer placed to the right.

Displayed in sub-chart widget panel.



Cumulative Volume Delta (CVD) Indicator: aggressive buyers in charge.

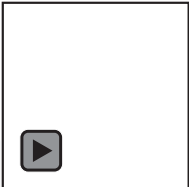


If the CVD is positive, it suggests that **buyers** are more aggressive, possibly indicating **increase** in price.

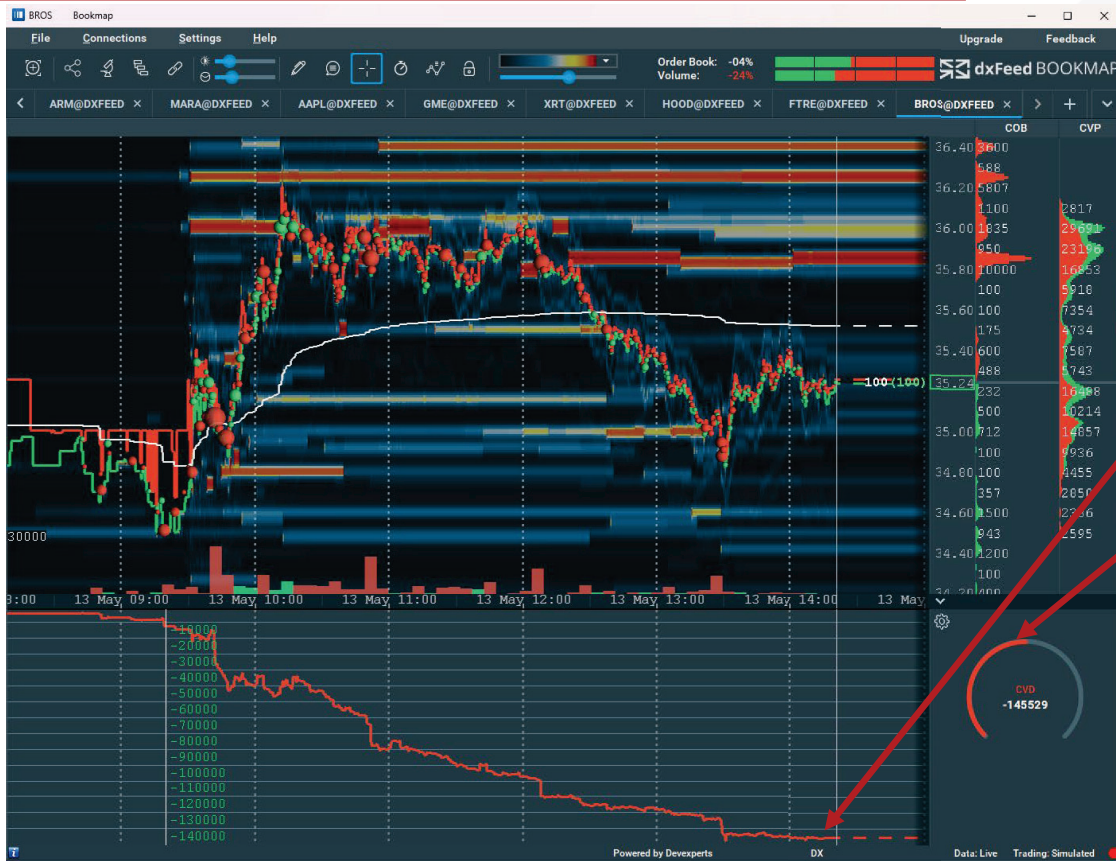
Expected increase in price-to-CVD behavior: both price and CVD are moving **higher** after 13:53 PM.



Displayed in sub-chart widget panel.



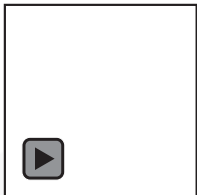
Cumulative Volume Delta (CVD) Indicator



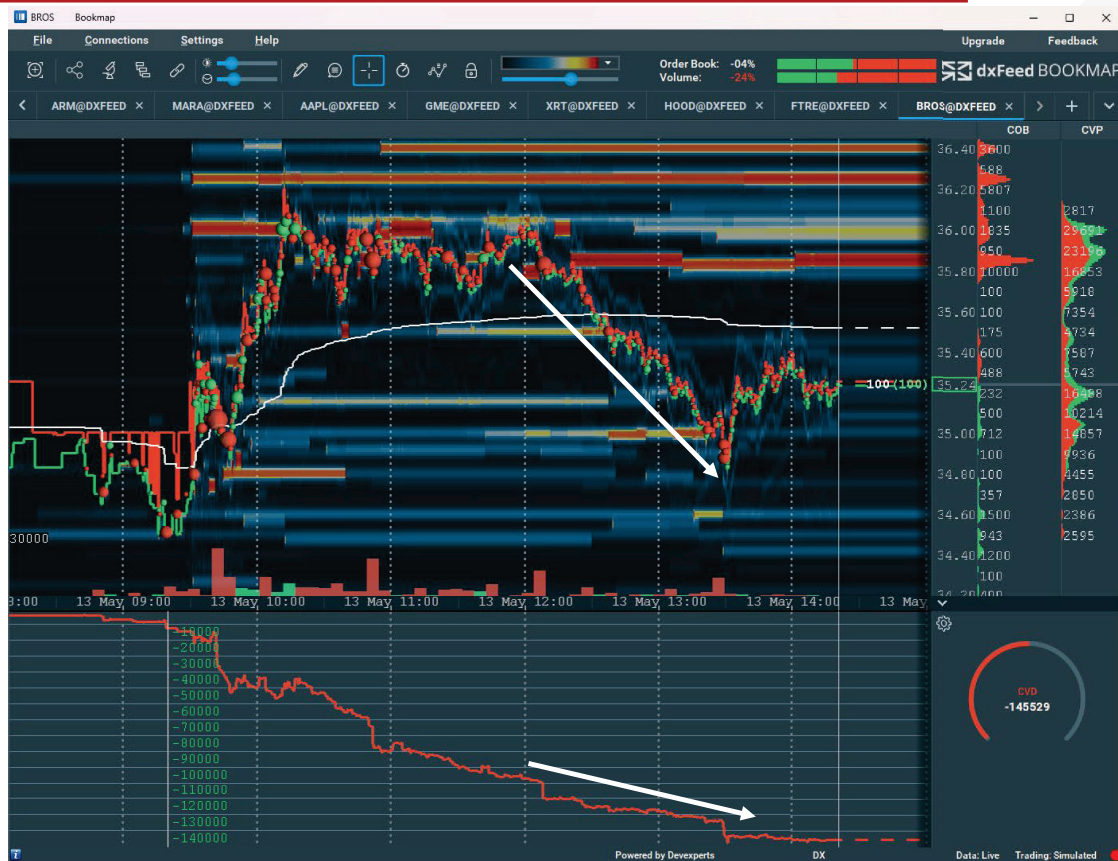
Red line BELOW number 0 represents more aggressive **sellers** (more market **Sell** orders being filled on the **Bid**).

Same information is represented in different way the widget by green line skewed to the right.

Displayed in sub-chart widget panel.



Cumulative Volume Delta (CVD) Indicator: aggressive sellers in charge.



If the CVD is **negative**, it suggests that **sellers** are more aggressive, possibly indicating **decrease** in price.

Expected decrease in price-to-CVD behavior: both price and CVD are moving **lower** after 11:55 AM.

Displayed in sub-chart widget panel.



Cumulative Volume Delta (CVD) Indicator: Anomaly 1.



CVD is displayed in sub-chart widget panel.

Anomaly 1:

Discrepancy in price-to-CVD behavior:

Price is moving **higher** while CVD is moving **lower** till about 10 AM.

CVD is signaling that more **selling pressure** is coming into market despite of price going up!



Cumulative Volume Delta (CVD) Indicator: Anomaly 1.



CVD is displayed in sub-chart widget panel.

In other words, CVD is signaling that **buyers** are **losing** their buying momentum strength.

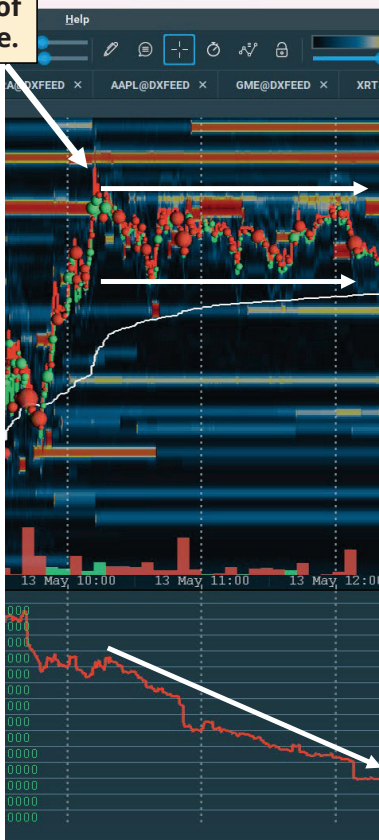
CVD can signal potential reversal:

If **prices** are making **higher highs** while **CVD is making lower highs**, it could indicate that the buying pressure is weakening, and a reversal might be soon happening.



Cumulative Volume Delta (CVD) Indicator: Anomaly 2.

Exhaustion of buyers example.



CVD is displayed in sub-chart widget panel.

Anomaly 2:

Discrepancy in price-to-CVD behavior:

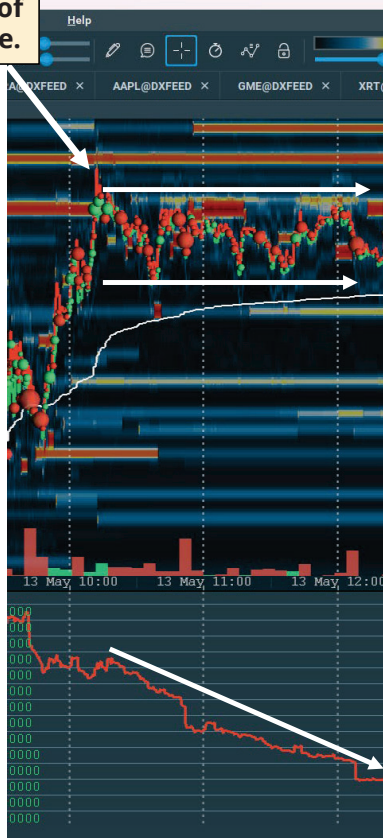
Price is moving **side-ways (in range)** while CVD is moving **lower** between 10:00 and 11:55 AM.

CVD is signaling that more **selling pressure** is coming into market despite of price trading in the range (Distribution phase)!



Cumulative Volume Delta (CVD) Indicator: Anomaly 2.

Exhaustion of buyers example.



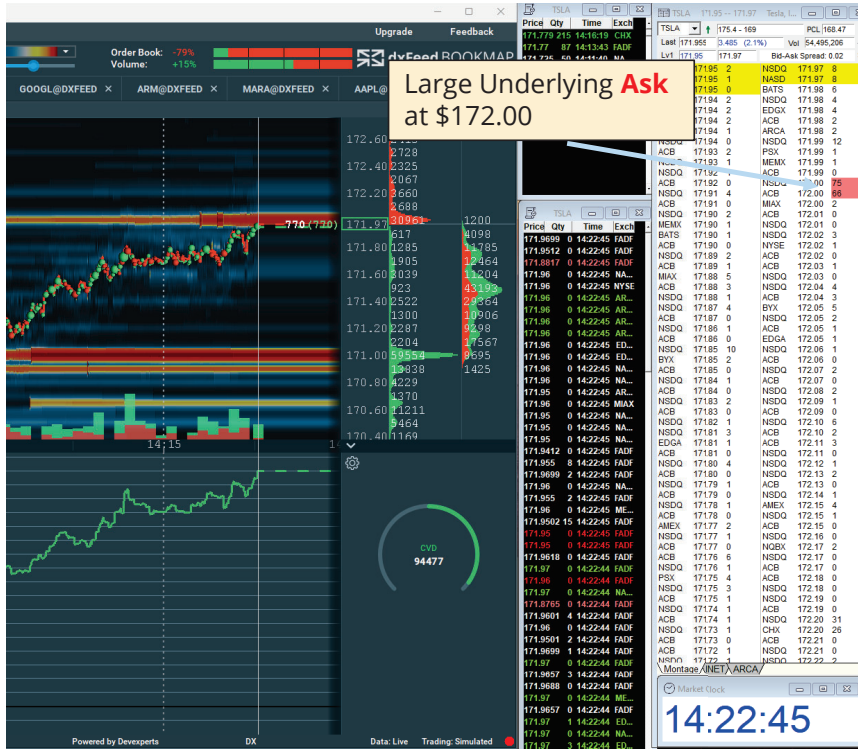
CVD can signal potential Resistance point:

If prices are moving sideways while CVD is making lower highs, it could indicate that the buying pressure is weakening, and a resistance price range is reached.

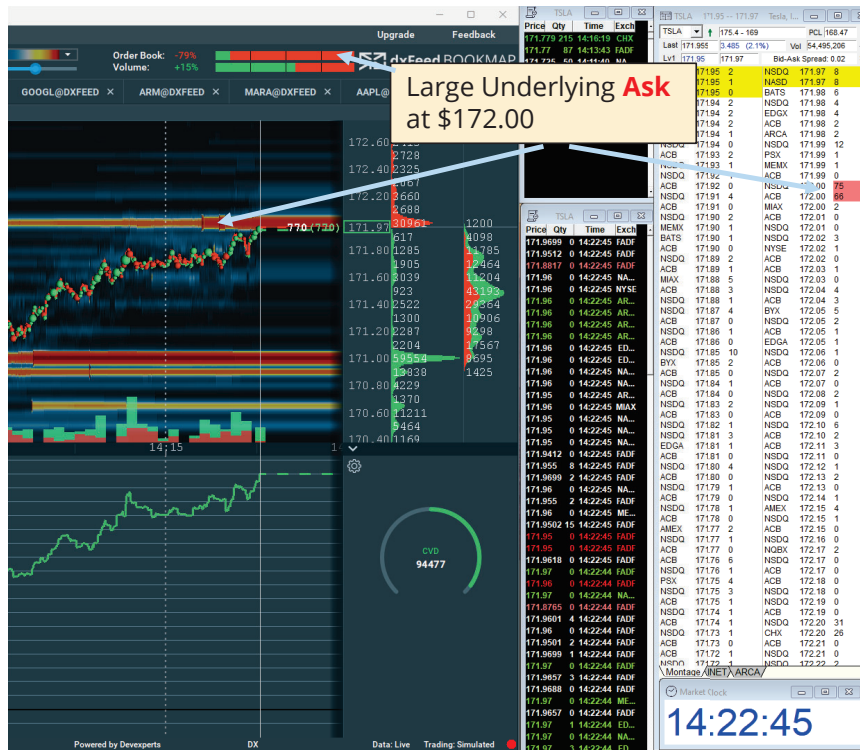
CVD is displayed in sub-chart widget panel.



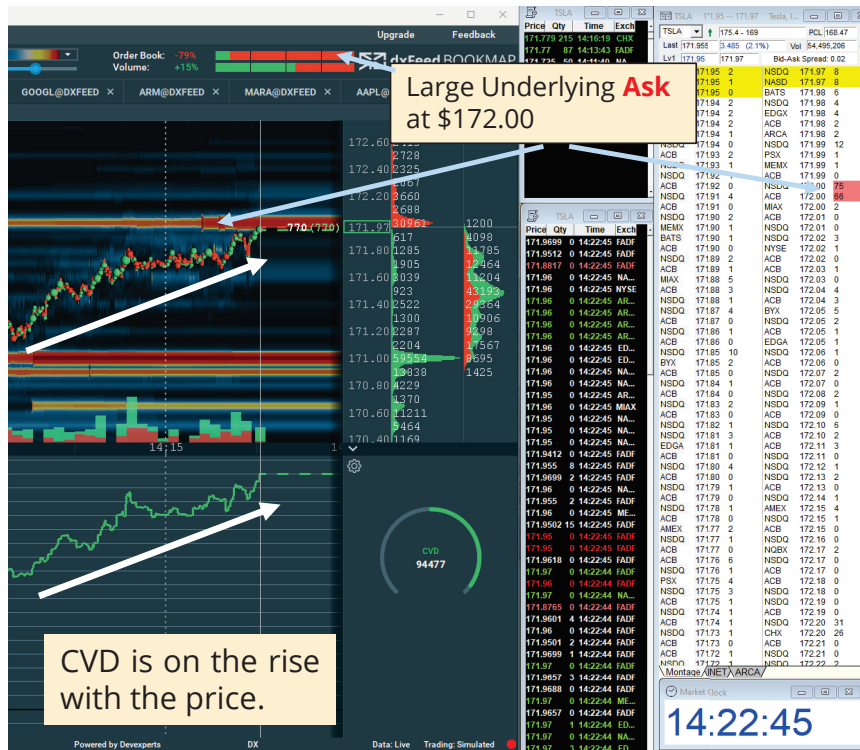
Cumulative Volume Delta (CVD) Indicator integrated: Breakout.



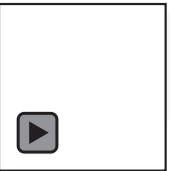
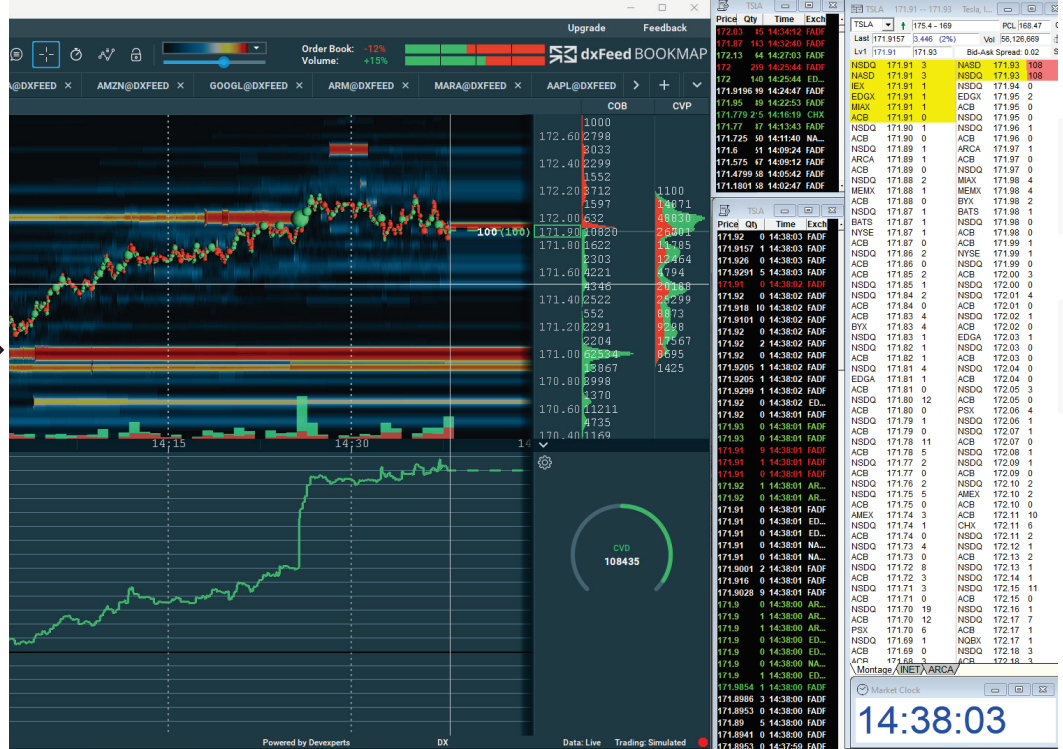
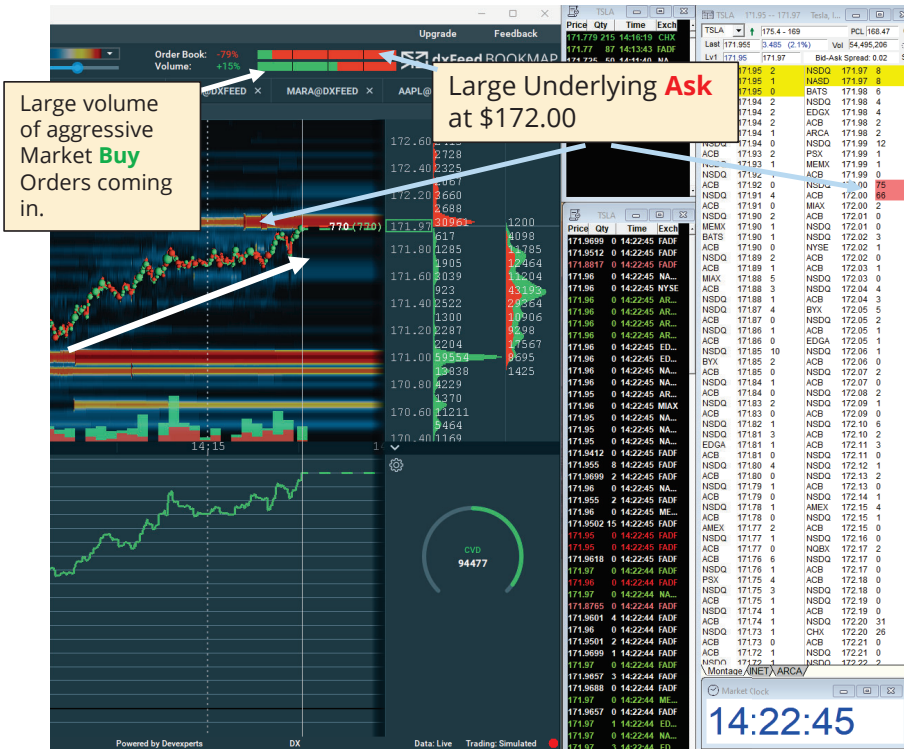
Cumulative Volume Delta (CVD) Indicator integrated: Breakout.



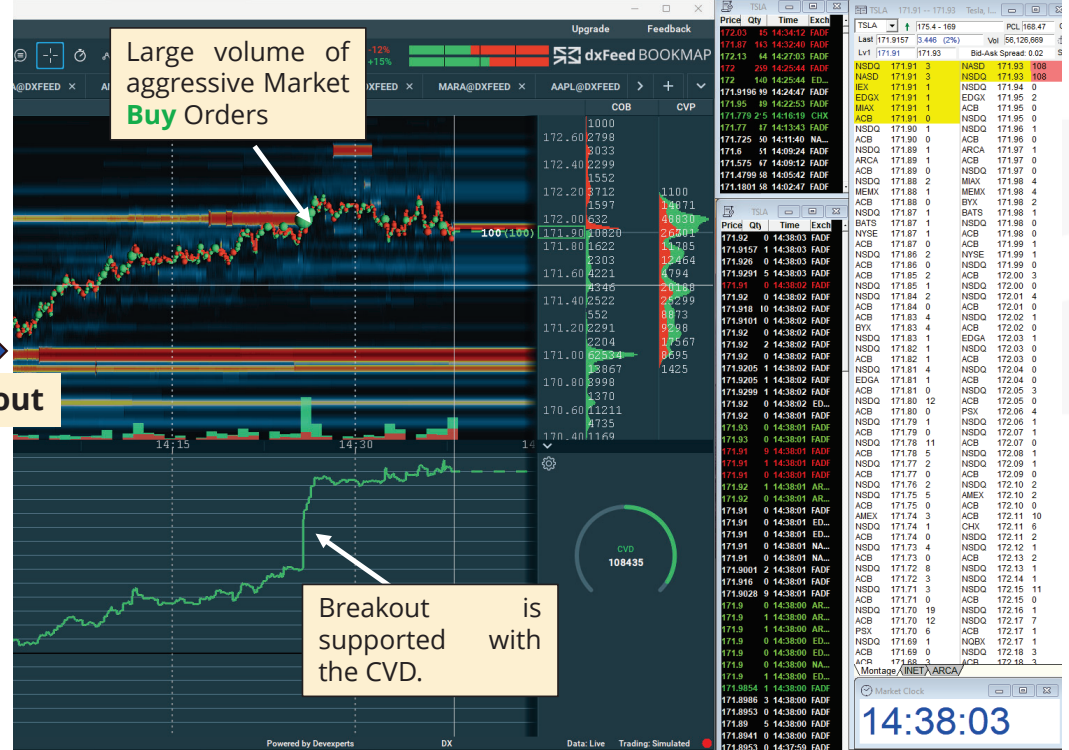
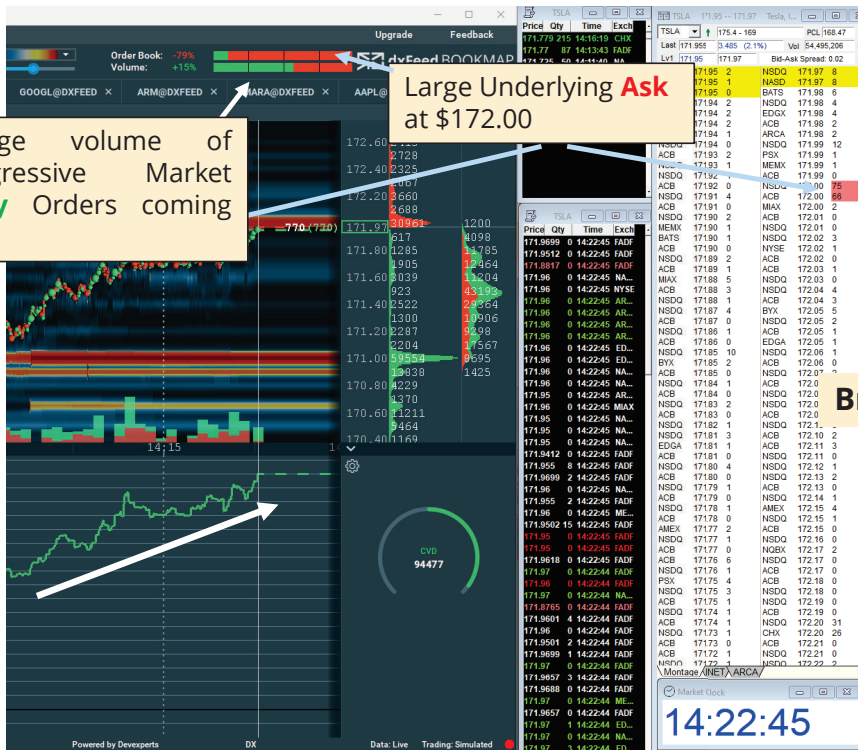
Cumulative Volume Delta (CVD) Indicator integrated: Breakout.



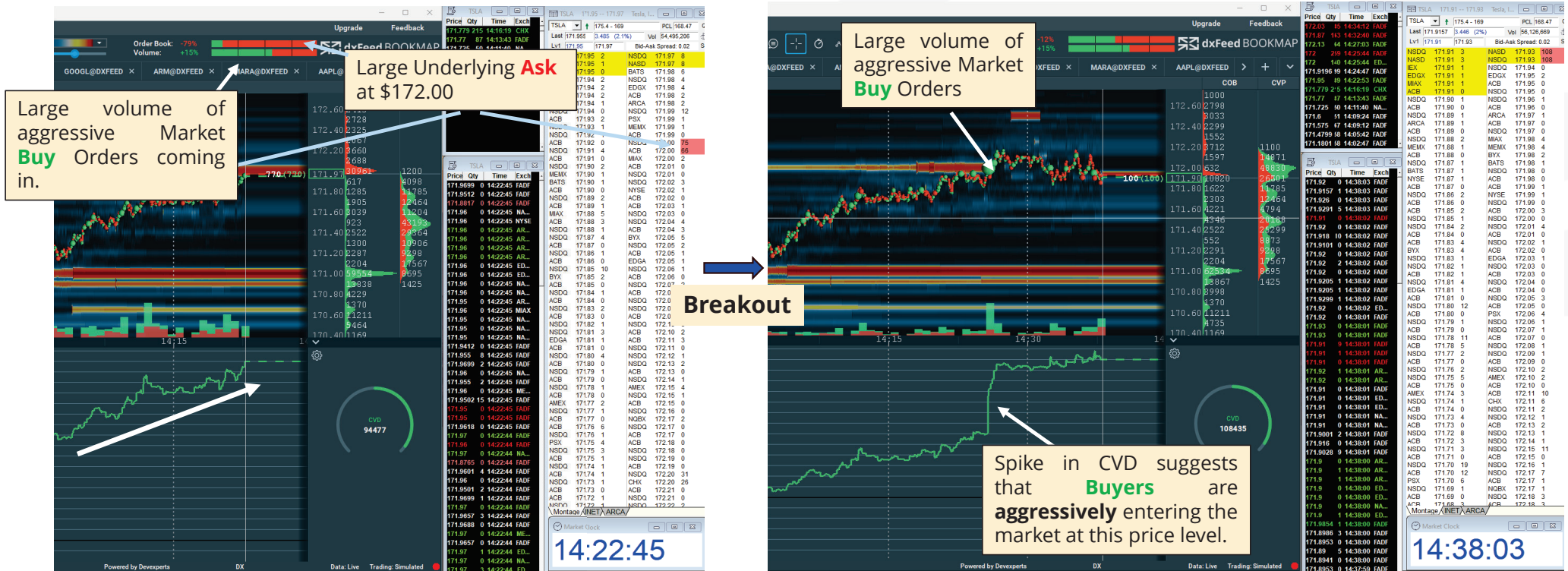
Cumulative Volume Delta (CVD) Indicator integrated: Breakout.



Cumulative Volume Delta (CVD) Indicator integrated: Breakout.



Cumulative Volume Delta (CVD) Indicator integrated: Breakout.



Cumulative Volume Delta (CVD) Indicator: Advanced Settings.

Studies configuration (TSLA@DXFEED)

- Candlesticks
- Cumulative Volume Delta
- Heatmap
- Large Lot Tracker
- Large trades alert
- Orderbook Imbalance
- Strength level
- VWAP
- Volume Bars
- Volume Dots
- Volume Imbalance

Cumulative Volume Delta

- Highlight zero line
- Use same scale for all indicators

Price range:

Symmetrical Include 0 Compact

CVD

Order Size Filter

- Minimum accountable volume size
- Maximum accountable volume size

Indicator range

Session range Chart range

Reference points:

Reset	Repeat	Actions
<input type="text" value="2024-04-22 13:25:33"/>	<input type="text" value="never"/>	<input type="button" value="🗑️"/>

19:00:00 (EDT) Daily

Split buyers/sellers

Positive values:

Negative values:

Session start

[Click here to learn more on our website](#)



Summary 1:

- **Cumulative Volume Delta (CVD)** is used to identify net difference between **aggressive buyers** and **sellers**.
- **If the CVD is positive or slope of the curve is trending UP**, it suggests that buyers are more aggressive, possibly indicating increase in price.
- **If the CVD is negative or slope of the curve is trending DOWN**, it suggests that sellers are more aggressive, possibly indicating decrease in price.
- CVD can be used in the Tradebook/Strategy to confirm resistance/support and potential trend reversals
- CVD can be used in the Tradebook/Strategy to confirm potential breakout points: Spike in CVD.



Summary 2: anomalies and divergence

- **CVD bullish divergence** occurs when the *price* makes **lower lows** while **CVD** makes **higher lows**, indicating **increased** participation of **aggressive buyers**.
- **CVD bearish divergence** occurs when the *price* makes **higher highs** while **CVD** makes **lower highs**, indicating **increased** participation of **aggressive sellers**.

