Unusual Whales API — Catalogue des endpoints

Source: api.unusualwhales.com/api/openapi (OpenAPI). Généré le 2025-12-24.

Informations générales

title	UnusualWhales Api
version	1.0

Description

For API Support or any questions email: support@unusualwhales.com Documentation for the official UnusualWhales (https://unusualwhales.com) api Enterprise/Professional Subscribers Prospective Enterprise/Professional subscribers can email support@unusualwhales.com (mailto:support@unusualwhales.com) for more information. Please inquire within regarding redistribution licenses or custom solutions. Changelog 2025.09.23 - Added new websocket channels `lit_trades` (https://api.unusualwhales.com/docs#/operations/PublicApi.SocketController.lit_trades) and `off_lit_trades` (https://api.unusualwhales.com/docs#/operations/PublicApi.SocketController.off_lit_trades) to stream live lit (exchange-based) and off-lit (dark pool) trades respectively. 2025.09.22 - Added `newer_than` and `older_than` time filtering parameters to `/alerts` (https://api.unusualwhales.com/docs#/operations/PublicApi.AlertsController.alerts) endpoint with 14-day maximum lookback period for custom alerts queries 2025.08.20 - Added `/market/top-net-impact` (https://api.unusualwhales.com/docs#/operations/PublicApi.MarketController.top_net_impact) endpoint to get the top tickers by net premium (split between bullish and… (description tronquée)

Serveurs

URL	Description
https://api.unusualwhales.com	

Authentification

Schémas de sécurité déclarés: authorization

Sommaire

alerts

GET /api/alerts

summary	Alerts
operationId	PublicApi.AlertsController.alerts
auth	authorization

Returns all the alerts that have been triggered for the user. Time filtering is available using the `newer_than` and `older_than` parameters: - The maximum lookback period is 14 days - If no time range is specified, defaults to the last 14 days - If only one time parameter is provided, the other is automatically calculated to maintain the 14-day limit - If both parameters are provided but exceed 14 days, the range is adjusted to 14 days from the `older_than` timestamp The alerts are the same alerts as the user created on https://unusualwhales.com/custom-alerts (https://unusualwhales.com/custom-alerts)

Paramètres

Nom	Lieu	Requis	Type	Description
limit	query	no	Default 50, Max 500 Min 1	
intraday_only	query	no	DynLimitAqilnusthpqeghicgqznvtwmcumcdgknqkqbtxuochkmrvgdgdy	
config_ids[]	query	no	Configration IDs	
ticker_symbols	query	no	Ticker	
noti_types[]	query	no	Noti Types	
newer_than	query	no	string(datetime)	
older_than	query	no	string(datetime)	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Alert
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/alerts/configuration

summary	Alert configurations
operationId	PublicApi.AlertsController.configs
auth	authorization

Returnst all alert configurations of the user. Users can create alerts for: - Market tide - Gamma exposure (GEX), Vanna exposure (VEX), Charm exposure (CEX) - Interval Contract screeners (replicates and alerts on the Flow Feed) - Analyst ratings, price targets, and actions - Politician trades - Insider trades - OI changes for contract in premarket -

FDA - Flow alerts - Contract screener (replicates and alerts on the Hottest Chains) - Stock screeners - News - Earnings - Dividends - Splits - Trading stats (halts, unhalts) - Economic release - SEC filings The alerts are the same alerts as the user created on https://unusualwhales.com/custom-alerts (https://unusualwhales.com/custom-alerts)

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Alert config
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

congress

GET /api/congress/congress-trader

summary	Recent Reports By Trader
operationId	PublicApi.CongressController.congress_trader
auth	authorization

Returns the recent reports by the given congress member.

Paramètres

Nom	Lieu	Requis	Type	Description
limit	query	no	Default 100 Max 200 Min 1	
date	query	no	Optional Market Date	
ticker	query	no	Optional Ticker	
name	query	no	Congress Member	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Senate Stock
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/congress/late-reports

summary	Recent Late Reports
operationId	PublicApi.CongressController.congress_late_reports
auth	authorization

Returns the recent late reports by congress members. If a date is given, will only return recent late reports, which's report date is <= the given input date.

Paramètres

Nom	Lieu	Requis	Type	Description
limit	query	no	Default 100 Max 200 Min 1	
date	query	no	Optional Market Date	
ticker	query	no	Optional Ticker	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Senate Stock
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/congress/recent-trades

summary	Recent Congress Trades
operationId	PublicApi.CongressController.congress_recent_trades
auth	authorization

Returns the latest transacted trades by congress members. If a date is given, will only return reports, which's transaction date is <= the given input date.

Paramètres

Nom	Lieu	Requis	Type	Description
limit	query	no	Default 100 Max 200 Min 1	
date	query	no	Optional Market Date	
ticker	query	no	Optional Ticker	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Senate Stock
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

darkpool

GET /api/darkpool/recent

summary	Recent Darkpool Trades
operationId	PublicApi.DarkpoolController.darkpool_recent
auth	authorization

Returns the latest darkpool trades.

Paramètres

Nom	Lieu	Requis	Type	Description
limit	query	no	Default 100 Max 200 Min 1	
date	query	no	Optional Market Date	
min_premium	query	no	StockTradesMinPremium	
max_premium	query	no	StockTradesMaxPremium	
min_size	query	no	StockTradesMinSize	
max_size	query	no	StockTradesMaxSize	
min_volume	query	no	StockTradesMinVol	
max_volume	query	no	StockTradesMaxVol	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Darkpool Trade
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/darkpool/{ticker}

summary	Ticker Darkpool Trades
operationId	PublicApi.DarkpoolController.darkpool_ticker
auth	authorization

Returns the darkpool trades for the given ticker on a given day. Date must be the current or a past date. If no date is given, returns data for the current/last market day.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	
newer_than	query	no	NewerThan	
older_than	query	no	OlderThan	
min_premium	query	no	StockTradesMinPremium	
max_premium	query	no	StockTradesMaxPremium	
min_size	query	no	StockTradesMinSize	
max_size	query	no	StockTradesMaxSize	
min_volume	query	no	StockTradesMinVol	
max_volume	query	no	StockTradesMaxVol	
limit	query	no	Default 500 Max 500 Min 1	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Darkpool Trade
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

earnings

GET /api/earnings/afterhours

summary	Afterhours
operationId	PublicApi.EarningsController.afterhours
auth	authorization

Returns the afterhours earnings for a given date.

Paramètres

Nom	Lieu	Requis	Type	Description
date	query	no	Optional Market Date	
limit	query	no	Default 50 Max 100 Min 1	
page	query	no	Page	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Earnings
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/earnings/premarket

summary	Premarket
operationId	PublicApi.EarningsController.premarket
auth	authorization

Returns the premarket earnings for a given date.

Paramètres

Nom	Lieu	Requis	Type	Description
date	query	no	Optional Market Date	
limit	query	no	Default 50 Max 100 Min 1	
page	query	no	Page	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Earnings
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/earnings/{ticker}

summary	Historical Ticker Earnings
operationId	PublicApi.EarningsController.ticker
auth	authorization

Returns the historical earnings for the given ticker.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Historical Ticker Earnings
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

etfs

GET /api/etfs/{ticker}/exposure

summary	Exposure
operationId	PublicApi.EtfController.exposure
auth	authorization

Returns all ETFs in which the given ticker is a holding

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Exposure

GET /api/etfs/{ticker}/holdings

summary	Holdings
operationId	PublicApi.EtfController.holdings
auth	authorization

Returns the holdings of the ETF

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Holdings

GET /api/etfs/{ticker}/in-outflow

summary	Inflow & Outflow
operationId	PublicApi.EtfController.in_outflow
auth	authorization

Returns an ETF's inflow and outflow

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Inflow & Outflow

GET /api/etfs/{ticker}/info

summary	Information
operationId	PublicApi.EtfController.info
auth	authorization

Returns the information about the given ETF ticker.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Etf Info
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/etfs/{ticker}/weights

summary	Sector & Country weights
operationId	PublicApi.EtfController.weights
auth	authorization

Returns the sector & country weights for the given ETF ticker.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Country & Sector exposure

Code	Description	Content-Types	Schema (1er)
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

group_flow

GET /api/group-flow/{flow_group}/greek-flow

summary	Greek flow
operationId	PublicApi.GroupFlowController.greek_flow
auth	authorization

Returns the group flow's greek flow (delta & vega flow) for the given market day broken down per minute. Date must be the current or a past date. If no date is given, returns data for the current/last market day.

Paramètres

Nom	Lieu	Requis	Type	Description
flow_group	path	yes	SingleFlowGroup	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Group Flow

GET /api/group-flow/{flow_group}/greek-flow/{expiry}

summary	Greek flow by expiry
operationId	PublicApi.GroupFlowController.greek_flow_expiry
auth	authorization

Returns the group flow's greek flow (delta & vega flow) for the given market day broken down per minute & expiry. Date must be the current or a past date. If no date is given, returns data for the current/last market day.

Paramètres

Nom	Lieu	Requis	Type	Description
flow_group	path	yes	SingleFlowGroup	
expiry	path	yes	Single expiry date	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Group Flow Expiry

insiders

GET /api/insider/transactions

summary	Transactions
operationId	PublicApi.InsiderController.transactions
auth	authorization

Returns the latest insider transactions. By default all transacations that have been filled by the same person on the same day with the same trade code are aggregated into a single row. Each of those aggregated rows will a field `trade_ids` which contains the ids of the single transactions that were aggregated as well as the amount of transactions that were aggregated. If you want to disable this behaviour you can set the `group` parameter to false to receive the single transacations as they have been filled.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker_symbol	query	no	Ticker	
min_value	query	no	string	Minimum transaction value in dollars
max_value	query	no	string	Maximum transaction value in dollars
min_price	query	no	string	Minimum stock price at the time of transaction
max_price	query	no	string	Maximum stock price at the time of transaction
owner_name	query	no	string	Name of the insider who made the transaction
sectors	query	no	string	Filter by company sector(s)
industries	query	no	string	Filter by company industry or industries
min_marketcap	query	no	Min Marketcap	
max_marketcap	query	no	Max Marketcap	
market_cap_size	query	no	string	Size category of company market cap (small, mid, large)
min_earnings_dte	query	no	string	Minimum days to earnings (filter for companies reporting soon)
max_earnings_dte	query	no	string	Maximum days to earnings
min_amount	query	no	string	Minimum number of shares in transaction
max_amount	query	no	string	Maximum number of shares in transaction
is_director	query	no	boolean	Filter transactions by company directors
is_officer	query	no	boolean	Filter transactions by company officers
is_s_p_500	query	no	boolean	Only include S&P 500 companies
is_ten_percent_owner	query	no	boolean	Filter transactions by 10% owners
common_stock_only	query	no	boolean	Only include common stock transactions
transaction_codes[]	query	no	string	Filter by transaction codes (P=Purchase, S=Sale, etc.)
security_ad_codes	query	no	string	Filter by security acquisition disposition codes
limit	query	no	Default 500 Max 500 Min 1	

Nom	Lieu	Requis	Type	Description
page	query	no	Page	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Insider Trade Agg

GET /api/insider/{sector}/sector-flow

summary	Sector Flow
operationId	PublicApi.InsiderController.sector_flow
auth	authorization

Returns an aggregated view of the insider flow for the given sector. This can be used to quickly examine the buy & sell insider flow for a given trading date

Paramètres

Nom	Lieu	Requis	Type	Description
sector	path	yes	Sector	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Insider Sector Flow

GET /api/insider/{ticker}

summary	Insiders
operationId	PublicApi.InsiderController.insiders
auth	authorization

Returns all insiders for the given ticker

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Insider

GET /api/insider/{ticker}/ticker-flow

summary	Ticker Flow
operationId	PublicApi.InsiderController.ticker_flow
auth	authorization

Returns an aggregated view of the insider flow for the given ticker. This can be used to quickly examine the buy & sell insider flow for a given trading date

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Insider Ticker Flow

institution

GET /api/institution/{name}/activity

summary	Institutional Activity
operationId	PublicApi.InstitutionController.activity
auth	authorization

The trading activities for a given institution.

Paramètres

Nom	Lieu	Requis	Type	Description
name	path	yes	Institution	
date	query	no	Institutional Reporting End Date	
limit	query	no	Default 500 Max 500 Min 1	
page	query	no	Page	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Institutional Activity
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/institution/{name}/holdings

summary	Institutional Holdings
operationId	PublicApi.InstitutionController.holdings
auth	authorization

Returns the holdings for a given institution.

Paramètres

Nom	Lieu	Requis	Type	Description
name	path	yes	Institution	
date	query	no	Optional Market Date	
start_date	query	no	Institutional Report Start Date	
end_date	query	no	Institutional Report End Date	

Nom	Lieu	Requis	Type	Description
security_types	query	no	Security Types	
limit	query	no	Default 500 Max 500 Min 1	
page	query	no	Page	
order	query	no	Institutional Holdings Order By	
order_direction	query	no	OrderDirection	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	An Institution's Holdings
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/institution/{name}/sectors

summary	Sector Exposure
operationId	PublicApi.InstitutionController.sectors
auth	authorization

The sector exposure for a given institution.

Paramètres

Nom	Lieu	Requis	Type	Description
name	path	yes	Institution	
date	query	no	Institutional Report End Date	
limit	query	no	Default 500 Max 500 Min 1	
page	query	no	Page	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	An Institution's Sector Exposure
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/institution/{ticker}/ownership

summary	Institutional Ownership
operationId	PublicApi.InstitutionController.ownership
auth	authorization

The institutional ownership of a given ticker.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	Ticker	
date	query	no	Report Date	
start_date	query	no	Institutional Report Start Date	
end_date	query	no	Institutional Report End Date	
tags[]	query	no	Institution Tags	
order	query	no	Institutional Ownership Order By	
order_direction	query	no	OrderDirection	
limit	query	no	Default 500 Max 500 Min 1	
page	query	no	Page	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Institutional Ownership
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/institutions

summary	List of Institutions
operationId	PublicApi.InstitutionController.list
auth	authorization

Returns a list of institutions.

Paramètres

Nom	Lieu	Requis	Type	Description
name	query	no	Institution	
min_total_value	query	no	MinValue	

Nom	Lieu	Requis	Type	Description
max_total_value	query	no	MaxValue	
min_share_value	query	no	MinValue	
max_share_value	query	no	MaxValue	
tags[]	query	no	Institution Tags	
order	query	no	Institutional List Order By	
order_direction	query	no	OrderDirection	
limit	query	no	Default 500 Max 500 Min 1	
page	query	no	Page	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Institution Summary
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/institutions/latest_filings

summary	Latest Filings
operationId	PublicApi.InstitutionController.latest_filings
auth	authorization

The latest institutional filings.

Paramètres

Nom	Lieu	Requis	Type	Description
name	query	no	Institution	
date	query	no	string	Date in format YYYY-MM-DD
order	query	no	Latest Institutional Filings Order By	
order_direction	query	no	OrderDirection	
limit	query	no	Default 500 Max 500 Min 1	
page	query	no	Page	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Latest Institutional Filings

Code	Description	Content-Types	Schema (1er)
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

market

GET /api/market/correlations

summary	Correlations
operationId	PublicApi.MarketController.correlations
auth	authorization

Returns the correlations between a list of tickers. Date must be the current or a past date. If no date is given, returns data for the current/last market day. You can filter the time period either by: 1. Using the `interval` parameter (e.g. "1y", "6m", "3m", "1m") 2. Using `start_date` and optionally `end_date` (if `end_date` is not provided, it defaults to the current date) If you send `interval` alongside `start_date`, `interval` filter will take priority.

Paramètres

Nom	Lieu	Requis	Type	Description
tickers	query	yes	Ticker	
interval	query	no	Time frame	
start_date	query	no	Correlation Start Date	
end_date	query	no	Correlation End Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Correlation

GET /api/market/economic-calendar

summary	Economic calendar
operationId	PublicApi.MarketController.events
auth	authorization

Returns the economic calendar.

Réponses

Code	Description	Content-Types	Schema (1er)
200	Economic Calendar response	application/json	Economic calendar
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/market/fda-calendar

summary	FDA Calendar
operationId	PublicApi.MarketController.fda_calendar

auth	authorization

Returns FDA calendar data with filtering options. The FDA calendar contains information about: - PDUFA (Prescription Drug User Fee Act) dates - Advisory Committee Meetings - FDA Decisions - Clinical Trial Results - New Drug Applications - Biologics License Applications Date Format Support The target_date parameters support various FDA-specific date formats: - Quarters: YYYY-Q[1-4] (e.g. 2024-Q1) - Half years: YYYY-H[1-2] (e.g. 2024-H1) - Mid-year: YYYY-MID (e.g. 2024-MID) - Late-year: YYYY-LATE (e.g. 2024-LATE) - Standard dates: YYYY-MM-DD

Paramètres

Nom	Lieu	Requis	Type	Description
announced_date_min	query	no	Optional Market Date	Minimum announced date (YYYY-MM-DD)
announced_date_max	query	no	Optional Market Date	Maximum announced date (YYYY-MM-DD)
target_date_min	query	no	FDA Target Date	Minimum target date (supports Q1-Q4, H1-H2, MID, LATE formats)
target_date_max	query	no	FDA Target Date	Maximum target date (supports Q1-Q4, H1-H2, MID, LATE formats)
drug	query	no	Drug Name	Filter by drug name (partial match)
ticker	query	no	Ticker	Filter by ticker symbol
limit	query	no	Default 100 Max 200 Min 1	Maximum number of results to return

Réponses

Code	Description	Content-Types	Schema (1er)
200	FDA Calendar response	application/json	FDA Calendar
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/market/insider-buy-sells

summary	Total Insider Buy & Sells
operationId	PublicApi.MarketController.insider_buy_sells
auth	authorization

Returns the total amount of purchases & sells as well as notional values for insider transactions across the market

Paramètres

Nom	Lieu	Requis	Type	Description
limit	query	no	Min Limit 1	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Insider statistics

Code	Description	Content-Types	Schema (1er)
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/market/market-tide

summary	Market Tide
operationId	PublicApi.MarketController.market_tide
auth	authorization

Market Tide is a proprietary tool that can be viewed from the Market Overview page. The Market Tide chart provides real time data based on a proprietary formula that examines market wide options activity and filters out 'noise'. Date must be the current or a past date. If no date is given, returns data for the current/last market day. Per default data are returned in 1 minute intervals. Use `interval_5m=true` to have this return data in 5 minute intervals instead. For example: - $15,000 in calls transacted at the ask has the effect of increasing the daily net call premium by $15,000. - $10,000 in calls transacted at the bid has the effect of decreasing the daily net call premium by $10,000. The resulting net premium from both of these trades would be $5000 (+ $15,000 - $10,000). Transactions taking place at the mid are not accounted for. In theory: The sentiment in the options market becomes increasingly bullish if: 1. The aggregated CALL PREMIUM is increasing at a faster rate. 2. The aggregated PUT PREMIUM is decreasing at a faster rate. The sentiment in the options market becomes increasingly bearish if: 1. The aggregated CALL PREMIUM is decreasing at a faster rate. 2. The aggregated PUT PREMIUM is increasing at a faster rate. ---- This can be used to build a market overview such as: !market tide (https://i.imgur.com/tuwTCDc.png) Data goes back to 2022-09-28

Paramètres

Nom	Lieu	Requis	Type	Description
date	query	no	Optional Market Date	
otm_only	query	no	UseOtmOnly	
interval_5m	query	no	Use5mCandles	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Daily Market Tide
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/market/oi-change

summary	OI Change
operationId	PublicApi.MarketController.oi_change
auth	authorization

Returns the non-Index/non-ETF contracts and OI change data with the highest OI change (default: descending). Date must be the current or a past date. If no date is given, returns data for the current/last market day.

Paramètres

Nom	Lieu	Requis	Type	Description
date	query	no	Optional Market Date	
limit	query	no	Default 100 Max 200 Min 1	
order	query	no	OrderDirection	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	OI Change

GET /api/market/sector-etfs

summary	Sector Etfs
operationId	PublicApi.MarketController.sector_etfs
auth	authorization

Returns the current trading days statistics for the SPDR sector etfs ---- This can be used to build a market overview such as: !sectors etf (https://i.imgur.com/yQ5o6rR.png)

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Sector ETF
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/market/spike

summary	SPIKE
operationId	PublicApi.MarketController.spike
auth	authorization

Returns the SPIKE values for the given date. Date must be the current or a past date. If no date is given, returns data for the current/last market day.

Paramètres

Nom	Lieu	Requis	Type	Description
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	SPIKE value
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/market/top-net-impact

summary	Top Net Impact
operationId	PublicApi.MarketController.top_net_impact
auth	authorization

Returns the top tickers by net premium (half bullish, half bearish). Defaults to last market day.

Paramètres

Nom	Lieu	Requis	Type	Description
date	query	no	Optional Market Date	
issue_types[]	query	no	Issue types	
limit	query	no	Default 20 Max 100 Min 1	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Top Net Impact
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/market/total-options-volume

summary	Total Options Volume
operationId	PublicApi.MarketController.total_options_volume
auth	authorization

Returns the total options volume and premium for all trade executions that happened on a given trading date. ---- This can be used to build a market options overview such as: !Market State (https://i.imgur.com/IioJyq9.png)

Paramètres

Nom	Lieu	Requis	Type	Description
limit	query	no	Default 1 Max 500 Min 1	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Market Options Volume
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/market/{sector}/sector-tide

summary	Sector Tide
operationId	PublicApi.MarketController.sec_indst
auth	authorization

The Sector tide is similar to the Market Tide. While the market tide is based on options activity of the whole market the sector tide is only based on the options activity of companies which are in that specific sector

Paramètres

Nom	Lieu	Requis	Type	Description
sector	path	yes	Single sector	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Daily Market Tide
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/market/{ticker}/etf-tide

summary	ETF Tide
operationId	PublicApi.MarketController.etf_tide
auth	authorization

The ETF tide is similar to the Market Tide. While the market tide is based on options activity of the whole market the ETF tide is only based on the options activity of the holdings of the specified ETF.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	Ticker	

Nom	Lieu	Requis	Type	Description
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Daily Market Tide
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/net-flow/expiry

summary	Net Flow Expiry
operationId	PublicApi.NetFlowController.expiry
auth	authorization

Returns net premium flow by `tide_type` category, `moneyness` category, and `expiration` category, allowing you to create chart variations like https://unusualwhales.com/zero-dte (https://unusualwhales.com/zero-dte): !zero dte (https://storage.googleapis.com/uwassets/img/zero-dte-type-charts.png) About the query parameters: - **`tide_type`**: For example, setting `tide_type` to "equity_only" will filter out ETFs and indexes, leaving only net premium from single-name equities. - **`moneyness`**: For example, setting `moneyness` to "otm" will filter out any contract that was not out of the money ("OTM") at the time of the transaction, leaving only net premium from contracts that were OTM at the time of the transaction. - **`expiration`**: For example, setting `expiration` to "zero_dte" will filter out any contract not expiring this session, leaving only net premium from contracts expiring at 4PM eastern time today.

Paramètres

Nom	Lieu	Requis	Type	Description
date	query	no	Optional Market Date	Market date to get data for (defaults to last market day)
moneyness	query	no	array[string (all, itm, otm, atm)]	Moneyness filter (defaults to 'all')
tide_type	query	no	array[string (all, equity_only, etf_only, index_only)]	Tide type filter (defaults to 'all')
expiration	query	no	array[string (weekly, zero_dte)]	Expiration filter (defaults to ['weekly', 'zero_dte'])

Réponses

Code	Description	Content-Types	Schema (1er)
200	Net Flow Expiry Response	application/json	Expiry Tide Response
422	Unprocessable Entity	application/json	Error Message

Code	Description	Content-Types	Schema (1er)
500	Internal Server Error	text/plain	Error Message on an internal server error.

news

GET /api/news/headlines

summary	News Headlines
operationId	PublicApi.NewsController.headlines
auth	authorization

Returns the latest news headlines for financial markets. This endpoint provides access to news headlines that may impact the markets, including company-specific news, sector news, and market-wide events. Headlines can be filtered by source, content, ticker, and significance. Use the `search_term` parameter to filter by headline content, or the `ticker` parameter to filter by related ticker symbols. The data includes the headline text, source, related tickers, sentiment, and whether it's considered a major news item.

Paramètres

Nom	Lieu	Requis	Type	Description
sources	query	no	News Sources	
search_term	query	no	News Search Term	
ticker	query	no	News Ticker	
major_only	query	no	Major News Only	
limit	query	no	Default 50 Max 100 Min 1	
page	query	no	Page	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Headline News
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

option-contract

GET /api/option-contract/{id}/flow

summary	Flow Data
operationId	PublicApi.OptionContractController.flow
auth	authorization

Returns the last 50 option trades for the given option chain. Optionally a min premium and a side can be supplied in the query for further filtering. If no date is specified data for the last trading day is being returned.

Paramètres

Nom	Lieu	Requis	Type	Description
id	path	yes	OptionContract	
side	query	no	Side	
min_premium	query	no	StockTradesMinPremium	
limit	query	no	Min Limit 1	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Option Trade
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/option-contract/{id}/historic

summary	Historic Data
operationId	PublicApi.OptionContractController.history
auth	authorization

Returns for every trading day historic data for the given option contract

Paramètres

Nom	Lieu	Requis	Type	Description
id	path	yes	OptionContract	
limit	query	no	Min Limit 1	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Option contract
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/option-contract/{id}/intraday

summary	Intraday Data
operationId	PublicApi.OptionContractController.intraday
auth	authorization

Returns 1 minute interval intraday data for the given option contract. Date must be the current or a past date. If no date is given, returns data for the current/last market day.

Paramètres

Nom	Lieu	Requis	Type	Description
id	path	yes	OptionContract	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Option Contract Minute Ticks
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/option-contract/{id}/volume-profile

summary	Volume Profile
operationId	PublicApi.OptionContractController.volume_profile
auth	authorization

Returns the volume profile (volume - sweep, floor, cross, ask, bid, etc. - per fill price) for an option symbol on a given trading day. Date must be the current or a past date. If no date is given, returns data for the current/last market day.

Paramètres

Nom	Lieu	Requis	Type	Description
id	path	yes	OptionContract	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Option Contract Price Level Volume
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/expiry-breakdown

summary	Expiry Breakdown
operationId	PublicApi.OptionContractController.expiry_breakdown
auth	authorization

Returns all expirations for the given trading day for a ticker.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Expiry breakdown
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/option-contracts

summary	Option contracts
operationId	PublicApi.OptionContractController.option_contracts
auth	authorization

Returns all option contracts for the given ticker

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
expiry	query	no	Single expiry date	
option_type	query	no	OptionType	

Nom	Lieu	Requis	Type	Description
vol_greater_oi	query	no	boolean	Wether to only return chains where volume > open interest
exclude_zero_vol_chains	query	no	boolean	Wether to only return chains where volume > 0
exclude_zero_dte	query	no	boolean	Wether to only return chains which do not expire on the same day
exclude_zero_oi_chains	query	no	boolean	Wether to only return chains where open interest > 0
maybe_otm_only	query	no	boolean	Wether to only return chains which are out of the money
option_symbol	query	no	array[string]	Options symbols to filter by
limit	query	no	Default 500 Max 500 Min 1	
page	query	no	Page	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Option contracts
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

option-trade

GET /api/option-trades/flow-alerts

summary	Flow Alerts
operationId	PublicApi.OptionTradeController.flow_alerts
auth	authorization

Returns the latest flow alerts.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker_symbol	query	no	Ticker	
min_premium	query	no	DynLimitAyfspabcutofapltqkvgakuzeugnhbxmorudchfyyecytfwrbnk	
max_premium	query	no	DynLimitAcxszsbvytztrxtgzekeggvmkmpgyxmlxhdfsrdvrlntdgnmkpc	
min_size	query	no	DynLimitAcuwovnjamkufgbraigocmsozniilxcdrqtxxonmhftsehiqhas	
max_size	query	no	DynLimitAglrizahlaixloxbmeagqjjyseprymmprzxozzndbjzxcedvvux	
min_volume	query	no	DynLimitAqpmukvtnqzjopoweoyvpeharwijcwnkajzocucgocoqugeobql	
max_volume	query	no	DynLimitAlahtlrvqdvguxtordtkfiscaujacykhkaorilrtlcjzudpqxrk	
min_open_interest	query	no	DynLimitAcqmwisfabczorjgqtnspqrgvefxlooepbdmdbnmxtlgnpakurc	
max_open_interest	query	no	DynLimitAcufrcrmynokovqvsfgnaykolfuxvkhzenghkapesjcenokqdoc	
all_opening	query	no	DynLimitAzgxtgzkaqsehpnvmuqluywcryqrjswbekyhabjcauqselwhujm	

Nom	Lieu	Requis	Type	Description
is_floor	query	no	DynLimitAmcyopkxjebmpznsleupobvmjlthajcfusbqrkmwmkdkuuavnkp	
is_sweep	query	no	DynLimitAqiinljimiudbowgxjbmggahntvklxnkdiblmvcvmghqqoxgwbm	
is_call	query	no	DynLimitAffeikqbyekurtovimkansbsiccwgoegywuqqvsoihqzsmxnzaj	
is_put	query	no	DynLimitAvaeipmocfyuzgsdjomzahaezgrqrgqjzusbxjtbqnkywntzzgf	
is_ask_side	query	no	DynLimitAhomldehwnhewskqqhemmslqfwbmnlmtaarnmxippimtslblykl	
is_bid_side	query	no	DynLimitApgtmcbkxuqtpisumkzjwcjljwbxrgaitcsolyxoaaprpsgzhhx	
rule_name[]	query	no	Rule Name	
min_diff	query	no	Min Contract Diff	
max_diff	query	no	Min Contract Diff	
min_volume_oi_ratio	query	no	Min Volume OI Ratio	
max_volume_oi_ratio	query	no	Max Volume OI Ratio	
is_otm	query	no	Is OTM Contract	
issue_types[]	query	no	Issue types	
min_dte	query	no	Min DTE	
max_dte	query	no	Max DTE	
min_ask_perc	query	no	Flow Alerts Min Ask Percentage	
max_ask_perc	query	no	Flow Alerts Max Ask Percentage	
min_bid_perc	query	no	Flow Alerts Min Bid Percentage	
max_bid_perc	query	no	Flow Alerts Max Bid Percentage	
min_bull_perc	query	no	Flow Alerts Min Bull Percentage	

Nom	Lieu	Requis	Type	Description
max_bull_perc	query	no	Flow Alerts Max Bull Percentage	
min_bear_perc	query	no	Flow Alerts Min Bear Percentage	
max_bear_perc	query	no	Flow Alerts Max Bear Percentage	
min_skew	query	no	Flow Alerts Min Skew	
max_skew	query	no	Flow Alerts Max Skew	
min_price	query	no	Flow Alerts Min Price	
max_price	query	no	Flow Alerts Max Price	
min_iv_change	query	no	Flow Alerts Min IV Change	
max_iv_change	query	no	Flow Alerts Max IV Change	
min_size_vol_ratio	query	no	Flow Alerts Min Size Volume Ratio	
max_size_vol_ratio	query	no	Flow Alerts Max Size Volume Ratio	
min_spread	query	no	Flow Alerts Min Spread	
max_spread	query	no	Flow Alerts Max Spread	
min_marketcap	query	no	Min Marketcap	
max_marketcap	query	no	Max Marketcap	
is_multi_leg	query	no	Flow Alerts Is Multi Leg	
size_greater_oi	query	no	Flow Alerts Size Greater Than Open Interest	
vol_greater_oi	query	no	Flow Alerts Volume Greater Than Open Interest	
newer_than	query	no	NewerThan	
older_than	query	no	OlderThan	
limit	query	no	Default 100 Max 200 Min 1	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Flow Alert
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/option-trades/full-tape/{date}

summary	Full Tape
operationId	PublicApi.OptionTradeController.full_tape
auth	authorization

Download all option transactions (the "full tape") for a given trading date. NOTICE: Access to this endpoint is only included in the Advanced API subscription. The last 3 trading days are available to download through this endpoint. You can download the data as a zip file using wget. For example, to download data for Fri Jul 25th, 2025, if your API key is "abc123": ``` wget --header="Authorization: Bearer abc123" https://api.unusualwhales.com/api/option-trades/full-tape/2025-07-25 -O full_tape_20257225.zip ```

Paramètres

Nom	Lieu	Requis	Type	Description
date	path	yes	Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/zip	

politician_portfolios

GET /api/politician-portfolios/holders/{ticker}

summary	Politician Portfolio Holders by Ticker
operationId	PublicApi.PoliticianPortfoliosController.holds_ticker
auth	authorization

Returns all politician portfolio owner names, ID, and holdings for the specified ticker. This is an enterprise only endpoint. Contact dan@unusualwhales.com for details about accessing this data.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	string	Stock ticker symbol (e.g., AAPL, TSLA)
aggregate_all_portfolios	query	no	boolean	If true, aggregates all of a politicians portfolios into a single portfolio named 'aggregated'. Default is false. Note that this does not aggregate holdings within a portfolio, only across portfolios.

Réponses

Code	Description	Content-Types	Schema (1er)
200	Portfolio Holders	application/json	Portfolio Holders
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/politician-portfolios/people

summary	Politicians List
operationId	PublicApi.PoliticianPortfoliosController.people
auth	authorization

Returns all politician names and IDs. This is an enterprise only endpoint. Contact dan@unusualwhales.com for details about accessing this data.

Réponses

Code	Description	Content-Types	Schema (1er)
200	Politicians List	application/json	Politicians List
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/politician-portfolios/recent_trades

summary	Politician Trades
operationId	PublicApi.PoliticianPortfoliosController.recent_trades
auth	authorization

Returns the latest transacted trades by congress members. If a date is given, will only return reports, which's transaction date is <= the given input date. This is an enterprise only endpoint. Contact dan@unusualwhales.com for details about accessing this data.

Paramètres

Nom	Lieu	Requis	Type	Description
limit	query	no	Default 500 Max 500 Min 1	
date	query	no	Optional Market Date	
ticker	query	no	Optional Ticker	
politician_id	query	no	Politician ID	
filter_late_reports	query	no	Filter Late Reports Only	If true, will filter out any trades with a transaction date after the input date.
page	query	no	Page	The page number for the data being requested (default is 1).
disclosure_newer_than	query	no	Disclosure Newer Than	If provided, will only return trades with a disclosure date >= this date.
disclosure_older_than	query	no	Disclosure Older Than	If provided, will only return trades with a disclosure date <= this date.
transaction_newer_than	query	no	Transaction Newer Than	If provided, will only return trades with a transaction date >= this date.
transaction_older_than	query	no	Transaction Older Than	If provided, will only return trades with a transaction date <= this date.

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Senate Stock
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/politician-portfolios/{politician_id}

summary	Politician Portfolios
operationId	PublicApi.PoliticianPortfoliosController.portfolios
auth	authorization

Returns all portfolios and holdings for a politician. This is an enterprise only endpoint. Contact dan@unusualwhales.com for details about accessing this data.

Paramètres

Nom	Lieu	Requis	Type	Description
politician_id	path	yes	string(uuid)	
aggregate_all_portfolios	query	no	boolean	If true, aggregates all portfolios into a single portfolio named 'aggregated'. Default is false. Note that this does not aggregate holdings within a portfolio, only across portfolios.

Réponses

Code	Description	Content-Types	Schema (1er)
200	Politician Portfolios	application/json	Politician Portfolios
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

screener

GET /api/screener/analysts

summary	Analyst Rating
operationId	PublicApi.ScreenerController.analyst_ratings
auth	authorization

Returns the latest analyst rating for the given ticker.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	query	no	SingleTicker	
limit	query	no	integer	How many items to return. Default: 500, Max: 500, Min: 1
action	query	no	Analyst Action	
recommendation	query	no	Analyst Recommendation	

Réponses

Code	Description	Content-Types	Schema (1er)
200	Analyst rating response	application/json	Analyst Rating
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/screener/option-contracts

summary	Hottest Chains
operationId	PublicApi.ScreenerController.contract_screener
auth	authorization

A contract screener endpoint to screen the market for contracts by a variety of filter options. For an example of what can be build with this endpoint check out the Hottest Contracts (https://unusualwhales.com/hottest-contracts?limit=100&hide_index_etf=true) on UnusualWhales. NOTE: Contracts with a volume of less than 200 are not being returned

Paramètres

Nom	Lieu	Requis	Type	Description
ticker_symbol	query	no	Ticker	
sectors[]	query	no	Sectors	
min_underlying_price	query	no	string	The minimum stock price.
max_underlying_price	query	no	string	The maximum stock price.

Nom	Lieu	Requis	Type	Description
is_otm	query	no	boolean	Only include contracts which are currently out of the money.
exclude_ex_div_ticker	query	no	boolean	When set to true, all tickers that trade ex-dividend today will be excluded. This is useful since on the day prior to the ex-dividend date, there will be above-average ITM call flow due to dividend arbitrage traders.
min_dte	query	no	integer	The minimum days to expiry.
max_dte	query	no	integer	The maximum days to expiry.
min_diff	query	no	string	The minimum OTM diff of a contract.
max_diff	query	no	string	The maximum OTM diff of a contract.
min_strike	query	no	string	The minimum strike.
max_strike	query	no	string	The maximum strike.
type	query	no	OptionType	
expiry_dates[]	query	no	Expiry dates	
min_marketcap	query	no	string	The minimum marketcap.
max_marketcap	query	no	string	The maximum marketcap.
min_volume	query	no	integer	The minimum volume on that contract.
max_volume	query	no	integer	The maximum volume on that contract.
min_ticker_30_d_avg_volume	query	no	integer	The minimum 30-day average stock volume for the underlying ticker.
max_ticker_30_d_avg_volume	query	no	integer	The maximum 30-day average stock volume for the underlying ticker.
min_contract_30_d_avg_volume	query	no	integer	The minimum 30-day average options contract volume for the underlying ticker.
max_contract_30_d_avg_volume	query	no	integer	The maximum 30-day average options contract volume for the underlying ticker.
min_multileg_volume_ratio	query	no	string	The minimum multi leg volume to contract volume ratio.
max_multileg_volume_ratio	query	no	string	The maximum multi leg volume to contract volume ratio.
min_floor_volume_ratio	query	no	string	The minimum floor volume to contract volume ratio.
max_floor_volume_ratio	query	no	string	The maximum floor volume to contract volume ratio.
min_perc_change	query	no	string	The minimum % price change of the contract to the previous day. Acceptable range: -1.00 to +inf.
max_perc_change	query	no	string	The maximum % price change of the contract to the previous day. Acceptable range: -1.00 to +inf.
min_daily_perc_change	query	no	string	The minimum intraday price change of the contract from open till now.
max_daily_perc_change	query	no	string	The maximum intraday price change for the contract since market open.
min_premium	query	no	string	The minimum premium on that contract.

Nom	Lieu	Requis	Type	Description
max_premium	query	no	string	The maximum premium on that contract.
min_avg_price	query	no	string	The minimum average price of the contract.
max_avg_price	query	no	string	The maximum average price of the contract.
min_volume_oi_ratio	query	no	string	The minimum contract volume to open interest ratio.
max_volume_oi_ratio	query	no	string	The maximum contract volume to open interest ratio.
min_open_interest	query	no	integer	The minimum open interest on that contract.
max_open_interest	query	no	integer	The maximum open interest on that contract.
min_floor_volume	query	no	integer	The minimum floor volume on that contract.
max_floor_volume	query	no	integer	The maximum floor volume on that contract.
vol_greater_oi	query	no	boolean	Only include contracts where the volume is greater than the open interest.
issue_types[]	query	no	Issue types	
min_ask_perc	query	no	string	The minimum ask percentage of volume that transacted on the ask.
max_ask_perc	query	no	string	The maximum ask percentage of volume that transacted on the ask.
min_bid_perc	query	no	string	The minimum bid percentage of volume that transacted on the bid.
max_bid_perc	query	no	string	The maximum bid percentage of volume that transacted on the bid.
min_skew_perc	query	no	string	The minimum skew percentage. Setting this to 0.8 would return all contracts where either 80% of vol transacted on the ask or bid side
max_skew_perc	query	no	string	The maximum skew percentage.Setting this to 0.8 would return all contracts where max 80% of vol transacted on the ask or bid side
min_bull_perc	query	no	string	The minimum bull percentage.
max_bull_perc	query	no	string	The maximum bull percentage.
min_bear_perc	query	no	string	The minimum bear percentage.
max_bear_perc	query	no	string	The maximum bear percentage.
min_bid_side_perc_7_day	query	no	string	The minimum percentage of days over the last 7 days where the contract traded primarily on the bid side
max_bid_side_perc_7_day	query	no	string	The maximum percentage of days over the last 7 days where the contract traded primarily on the bid side
min_ask_side_perc_7_day	query	no	string	The minimum percentage of days over the last 7 days where the contract traded primarily on the ask side
max_ask_side_perc_7_day	query	no	string	The maximum percentage of days over the last 7 days where the contract traded primarily on the ask side
min_days_of_oi_increases	query	no	integer	The minimum days of consecutive trading days where the open interest increased
max_days_of_oi_increases	query	no	integer	The maximum days of consecutive trading days where the open interest increased

Nom	Lieu	Requis	Type	Description
min_days_of_vol_greater_than_oi	query	no	integer	The minimum days of consecutive days where volume was greater than open interest.
max_days_of_vol_greater_than_oi	query	no	integer	The maximum days of consecutive days where volume was greater than open interest.
min_iv_perc	query	no	string	The minimum implied volatility percentage.
max_iv_perc	query	no	string	The maximum implied volatility percentage.
min_delta	query	no	string	The minimum delta. Acceptable range: -1.00 to +1.00.
max_delta	query	no	string	The maximum delta. Acceptable range: -1.00 to +1.00.
min_gamma	query	no	string	The minimum gamma. Acceptable range: 0.00 to +inf.
max_gamma	query	no	string	The maximum gamma. Acceptable range: 0.00 to +inf.
min_theta	query	no	string	The minimum theta. Acceptable range: -inf to 0.00.
max_theta	query	no	string	The maximum theta. Acceptable range: -inf to 0.00.
min_vega	query	no	string	The minimum vega. Acceptable range: 0.00 to +inf.
max_vega	query	no	string	The maximum vega. Acceptable range: 0.00 to +inf.
min_return_on_capital_perc	query	no	string	The minimum return on capital percentage (ROC).
max_return_on_capital_perc	query	no	string	The maximum return on capital percentage (ROC).
min_oi_change_perc	query	no	string	The minimum open interest change percentage. Acceptable range: -1.00 to +inf.
max_oi_change_perc	query	no	string	The maximum open interest change percentage. Acceptable range: -1.00 to +inf.
min_oi_change	query	no	integer	The minimum open interest change as an absolute change.
max_oi_change	query	no	integer	The maximum open interest change as an absolute change.
min_volume_ticker_vol_ratio	query	no	string	The minimum ratio of contract volume to total option volume of the underlying. Acceptable range: 0.00 to 1.00.
max_volume_ticker_vol_ratio	query	no	string	The maximum ratio of contract volume to total option volume of the underlying. Acceptable range: 0.00 to 1.00.
min_sweep_volume_ratio	query	no	string	The minimum sweep volume ratio. Acceptable range: 0.00 to 1.00.
max_sweep_volume_ratio	query	no	string	The maximum sweep volume ratio. Acceptable range: 0.00 to 1.00.
min_from_low_perc	query	no	string	The minimum percentage change of the current price from todays low. Acceptable range: -1.00 to +inf.
max_from_low_perc	query	no	string	The maximum percentage change of the current price from todays low. Acceptable range: -1.00 to +inf.
min_from_high_perc	query	no	string	The minimum percentage change of the current price from todays high. Acceptable range: -1.00 to +inf.
max_from_high_perc	query	no	string	The maximum percentage change of the current price from todays high. Acceptable range: -1.00 to +inf.
min_earnings_dte	query	no	integer	The minimum days to earnings.
max_earnings_dte	query	no	integer	The maximum days to earnings.

Nom	Lieu	Requis	Type	Description
min_transactions	query	no	integer	The minimum number of transactions.
max_transactions	query	no	integer	The maximum number of transactions.
min_close	query	no	string	The minimum contract price (not underlying price).
max_close	query	no	string	The maximum contract price (not underlying price).
order	query	no	Screener contract order by field	
order_direction	query	no	OrderDirection	
limit	query	no	Default 50, Max 250 Min 1	
page	query	no	Page	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Option Contract Screener response.
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/screener/stocks

summary	Stock Screener
operationId	PublicApi.ScreenerController.stock_screener
auth	authorization

A stock screener endpoint to screen the market for stocks by a variety of filter options. For an example of what can be build with this endpoint check out the Stock Screener (https://unusualwhales.com/flow/ticker_flows) on UnusualWhales.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	query	no	Ticker	
issue_types[]	query	no	Issue types	
min_change	query	no	string	The minimum % change to the previous trading day.
max_change	query	no	string	The maximum % change to the previous trading day.
min_underlying_price	query	no	string	The minimum stock price.
max_underlying_price	query	no	string	The maximum stock price.
is_s_p_500	query	no	boolean	Boolean whether to only include stocks which are part of the S&P 500. Setting this to false has no effect.

Nom	Lieu	Requis	Type	Description
has_dividends	query	no	boolean	Boolean wheter to only include stocks which pay dividends. Setting this to false has no effect.
sectors[]	query	no	Sectors	
min_marketcap	query	no	string	The minimum marketcap.
max_marketcap	query	no	string	The maximum marketcap.
min_perc_3_day_total	query	no	string	The minimum ratio of options volume vs 3 day avg options volume.
max_perc_3_day_total	query	no	string	The maximum ratio of options volume vs 3 day avg options volume.
min_perc_3_day_call	query	no	string	The minimum ratio of call options volume vs 3 day avg call options volume.
max_perc_3_day_call	query	no	string	The maximum ratio of call options volume vs 3 day avg call options volume.
min_perc_3_day_put	query	no	string	The minimum ratio of put options volume vs 3 day avg put options volume.
max_perc_3_day_put	query	no	string	The maximum ratio of put options volume vs 3 day avg put options volume.
min_perc_30_day_total	query	no	string	The minimum ratio of options volume vs 30 day avg options volume.
max_perc_30_day_total	query	no	string	The maximum ratio of options volume vs 30 day avg options volume.
min_perc_30_day_call	query	no	string	The minimum ratio of call options volume vs 30 day avg call options volume.
max_perc_30_day_call	query	no	string	The maximum ratio of call options volume vs 30 day avg call options volume.
min_perc_30_day_put	query	no	string	The minimum ratio of put options volume vs 30 day avg put options volume.
max_perc_30_day_put	query	no	string	The maximum ratio of put options volume vs 30 day avg put options volume.
min_total_oi_change_perc	query	no	string	The minimum open interest change compared to the previous day.
max_total_oi_change_perc	query	no	string	The maximum open interest change compared to the previous day.
min_call_oi_change_perc	query	no	string	The minimum open interest change of call contracts compared to the previous day.
max_call_oi_change_perc	query	no	string	The maximum open interest change of call contracts compared to the previous day.
min_put_oi_change_perc	query	no	string	The minimum open interest change of put contracts compared to the previous day.
max_put_oi_change_perc	query	no	string	The maximum open interest change of put contracts compared to the previous day.
min_implied_move	query	no	string	The minimum implied move.
max_implied_move	query	no	string	The maximum implied move.

Nom	Lieu	Requis	Type	Description
min_implied_move_perc	query	no	string	The minimum implied move perc.
max_implied_move_perc	query	no	string	The maximum implied move perc.
min_volatility	query	no	string	The minimum volatility.
max_volatility	query	no	string	The maximum volatility.
min_iv_rank	query	no	string	The minimum iv rank.
max_iv_rank	query	no	string	The maximum iv rank.
min_volume	query	no	integer	The minimum options volume.
max_volume	query	no	integer	The maximum options volume.
min_call_volume	query	no	integer	The minimum call options volume.
max_call_volume	query	no	integer	The maximum call options volume.
min_put_volume	query	no	integer	The minimum put options volume.
max_put_volume	query	no	integer	The maximum put options volume.
min_premium	query	no	string	The minimum options premium.
max_premium	query	no	string	The minimum options premium.
min_call_premium	query	no	string	The minimum call options premium.
max_call_premium	query	no	string	The minimum call options premium.
min_put_premium	query	no	string	The minimum put options premium.
max_put_premium	query	no	string	The minimum put options premium.
min_net_premium	query	no	string	The minimum net options premium.
max_net_premium	query	no	string	The minimum net options premium.
min_net_call_premium	query	no	string	The minimum net call options premium.
max_net_call_premium	query	no	string	The maximum net call options premium.
min_net_put_premium	query	no	string	The minimum net put options premium.
max_net_put_premium	query	no	string	The maximum net put options premium.
min_oi	query	no	integer	The minimum open interest.
max_oi	query	no	integer	The maximum open interest.
min_oi_vs_vol	query	no	string	The minimum open interest vs options volume ratio.
max_oi_vs_vol	query	no	string	The maximum open interest vs options volume ratio.
min_put_call_ratio	query	no	string	The minimum put to call ratio.
max_put_call_ratio	query	no	string	The maximum put to call ratio.
order	query	no	Screener order by field	
order_direction	query	no	OrderDirection	

Nom	Lieu	Requis	Type	Description
min_stock_volume_vs_avg30_volume	query	no	string	The minimum stock volume vs average 30 day volume.
max_avg30_volume	query	no	string	The maximum stock volume vs average 30 day volume.
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Stock Screener response
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

seasonality

GET /api/seasonality/market

summary	Market Seasonality
operationId	PublicApi.SeasonalityController.market_seasonality
auth	authorization

Returns the average return by month for the tickers SPY, QQQ, IWM, XLE, XLC, XLK, XLV, XLP, XLY, XLRE, XLF, XLI, XLB .

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Seasonality Market
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/seasonality/{month}/performers

summary	Month Performers
operationId	PublicApi.SeasonalityController.month_performers
auth	authorization

Returns the tickers with the highest performance in terms of price change in the month over the years. Per default the result is ordered by 'positive_months_perc' descending, then 'median_change' descending, then 'marketcap' descending.

Paramètres

Nom	Lieu	Requis	Type	Description
month	path	yes	SingleMonthNumber	
min_years	query	no	Min Years	
ticker_for_sector	query	no	SingleTickerForSector	
s_p_500_nasdaq_only	query	no	Nasdaq Only	
min_oi	query	no	Min Open Interest	
limit	query	no	Seasonality Performers Limit	
order	query	no	Seasonality Performance Order By	
order_direction	query	no	OrderDirection	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Seasonality Performers
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/seasonality/{ticker}/monthly

summary	Average return per month
operationId	PublicApi.SeasonalityController.monthly
auth	authorization

Returns the average return by month for the given ticker.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Seasonality Monthly
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/seasonality/{ticker}/year-month

summary	Price change per month per year
operationId	PublicApi.SeasonalityController.year_month
auth	authorization

Returns the relative price change for all past months over multiple years.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Seasonality Year Month
422	Unprocessable Entity	application/json	Error Message

Code	Description	Content-Types	Schema (1er)
500	Internal Server Error	text/plain	Error Message on an internal server error.

short

GET /api/shorts/{ticker}/data

summary	Short Data
operationId	PublicApi.ShortController.short_data
auth	authorization

Returns short data including rebate rate and short shares available for a ticker.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Short Data
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/shorts/{ticker}/ftds

summary	Failures to Deliver
operationId	PublicApi.ShortController.failures_to_deliver
auth	authorization

Returns the short failures to deliver per day for the given ticker starting from the given date. If no date is given, returns the data for the current/last market day.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Failures to Deliver
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/shorts/{ticker}/interest-float

summary	Short Interest and Float
operationId	PublicApi.ShortController.short_interest_and_float
auth	authorization

Returns short interest and float data for percentage calculations for a ticker. This endpoint provides information about the percentage of float that is shorted, the float size, and the days to cover metric.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Short Interest and Float
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/shorts/{ticker}/volume-and-ratio

summary	Short Volume and Ratio
operationId	PublicApi.ShortController.short_volume_and_ratio
auth	authorization

Returns short volume and short ratio data for a ticker.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Short Volume
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/shorts/{ticker}/volumes-by-exchange

summary	Short Volume By Exchange
operationId	PublicApi.ShortController.short_volume_by_exchange
auth	authorization

Returns short volume data broken down by exchange for a ticker.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Short Volume By Exchange
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

stock

GET /api/stock/{sector}/tickers

summary	Companies in Sector
operationId	PublicApi.TickerController.companies_in_sector
auth	authorization

Returns a list of tickers which are in the given sector.

Paramètres

Nom	Lieu	Requis	Type	Description
sector	path	yes	Sector	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Market Sector Tickers
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/atm-chains

summary	ATM Chains
operationId	PublicApi.TickerController.atm_chains
auth	authorization

Returns the ATM chains for the given expirations

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
expirations[]	query	yes	Expiry dates	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Option Contract Screener response.
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/flow-alerts

summary	Flow Alerts
operationId	PublicApi.TickerController.flow_alerts
auth	authorization

This endpoint has been deprecated and will be removed. Please migrate to this Flow Alerts endpoint, which provides a more detailed response: https://api.unusualwhales.com/docs#/operations/PublicApi.OptionTradeController.flow_alerts (https://api.unusualwhales.com/docs#/operations/PublicApi.OptionTradeController.flow_alerts)

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
limit	query	no	Default 100 Max 200 Min 1	
is_ask_side	query	no	DynLimitAoolcyvtynrlhztduwmybbxstmrvmodqmcfjqafxxhbzefyszma	
is_bid_side	query	no	DynLimitArdryaxvxvyovcpnfvysxkmicjnxorhisbiwibpyzbxjsogrgmv	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Flow Alert
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/flow-per-expiry

summary	Flow per expiry
operationId	PublicApi.TickerController.flow_per_expiry
auth	authorization

Returns the option flow per expiry for the last trading day

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Flow per expiry

GET /api/stock/{ticker}/flow-per-strike

summary	Flow per strike
operationId	PublicApi.TickerController.flow_per_strike
auth	authorization

Returns the option flow per strike for a given trading day.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Flow per strike
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/flow-per-strike-intraday

summary	Flow per strike intraday
operationId	PublicApi.TickerController.flow_per_strike_intraday
auth	authorization

Returns the options flow for a given date in one minute intervals (the one minute intervals are not aggregated with each other).

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	
filter	query	no	Filter	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Flow per strike
422	Unprocessable Entity	application/json	Error Message

Code	Description	Content-Types	Schema (1er)
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/flow-recent

summary	Recent flows
operationId	PublicApi.TickerController.flow_recent
auth	authorization

Returns the latest flows for the given ticker. Optionally a min premium and a side can be supplied in the query for further filtering.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
side	query	no	Side	
min_premium	query	no	StockTradesMinPremium	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Flow per expiry
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/greek-exposure

summary	Greek Exposure
operationId	PublicApi.TickerController.greek_exposure
auth	authorization

Greek Exposure is the assumed greek exposure that market makers are exposed to. The most popular greek exposure is gamma exposure (GEX). Investors and large funds lower risk and protect their money by selling calls and buying puts. Market makers provide the liquidity to facilitate these trades. GEX assumes that market makers are part of every transaction and that the bulk of their transactions are buying calls and selling puts to investors hedging their portfolios. If a market maker has one contract open with a gamma value of 0.05, then that market maker is exposed to 0.05 * [100 shares] of gamma. The total market maker exposure is calculated by summing up the exposure values of all open contracts determined by the daily open interest. Market makers profit from the bid-ask spreads and as such, they constantly gamma hedge (they buy and sell shares to keep their positions delta neutral). Long call positions are positive gamma - as the stock price increases and delta rises (approaches 1), market makers hedge by selling shares, and they buy shares if the stock price decreases and delta falls. Short put positions are negative gamma - as the stock price increases and delta falls (approaches -1), market makers hedge by buying shares, and they sell shares if the stock price decreases and delta rises. As such, in the event of large positive gamma, volatility is suppressed as market makers will hedge by buying as the stock price decreases and selling as the stock price increases. And in the event of large negative gamma, volatility is amplified as market makers will hedge by buying as the stock price increases and selling as the stock price decreases.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	
timeframe	query	no	Time frame	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Greek Exposure
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/greek-exposure/expiry

summary	Greek Exposure By Expiry
operationId	PublicApi.TickerController.greek_exposure_by_expiry
auth	authorization

The greek exposure of a ticker grouped by expiry dates across all contracts on a given market date.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Greek Exposure By Expiry
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/greek-exposure/strike

summary	Greek Exposure By Strike
operationId	PublicApi.TickerController.greek_exposure_by_strike

auth	authorization

The greek exposure of a ticker grouped by strike price across all contracts on a given market date.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Greek Exposure By Strike
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/greek-exposure/strike-expiry

summary	Greek Exposure By Strike And Expiry
operationId	PublicApi.TickerController.greek_exposure_by_strike_expiry
auth	authorization

The greek exposure of a ticker grouped by strike price for a specific expiry date.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	
expiry	query	yes	Single expiry date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Greek Exposure By Strike And Expiry
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/greek-flow

summary	Greek flow
operationId	PublicApi.TickerController.greek_flow
auth	authorization

Returns the tickers greek flow (delta & vega flow) for the given market day broken down per minute. Date must be the current or a past date. If no date is given, returns data for the current/last market day.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Greek Flow

GET /api/stock/{ticker}/greek-flow/{expiry}

summary	Greek flow by expiry
operationId	PublicApi.TickerController.greek_flow_expiry
auth	authorization

Returns the tickers greek flow (delta & vega flow) for the given market day broken down per minute & expiry. Date must be the current or a past date. If no date is given, returns data for the current/last market day.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	
expiry	path	yes	Single expiry date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Greek Flow Expiry

GET /api/stock/{ticker}/greeks

summary	Greeks
operationId	PublicApi.TickerController.greeks
auth	authorization

Returns the greeks for each strike for a single expiry date.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	
expiry	query	yes	Single expiry date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Greeks
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/historical-risk-reversal-skew

summary	Historical Risk Reversal Skew
operationId	PublicApi.TickerController.historical_risk_reversal_skew
auth	authorization

Returns the historical risk reversal skew (the difference between put and call volatility) at a delta of 25 or 10 (colloquial for 0.25 or 0.1) for a given expiry date.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	
expiry	query	yes	Single expiry date	
timeframe	query	no	Time frame	
delta	query	yes	Delta	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Historical Risk Reversal Skew
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/info

summary	Information
operationId	PublicApi.TickerController.info
auth	authorization

Returns a information about the given ticker.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Ticker Info
404	Not Found	application/json	Error Message stating that the requested element was not found causing an empty result to be generated.
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/insider-buy-sells

summary	Insider buy & sells
operationId	PublicApi.TickerController.insider_buy_sell
auth	authorization

Returns the total amount of purchases & sells as well as notional values for insider transactions for the given ticker

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Insider statistics
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/interpolated-iv

summary	Interpolated IV
operationId	PublicApi.TickerController.interpolated_iv
auth	authorization

Returns the Interpolated IV for a given trading day. If there is no expiration then the data is calcualted via linear interpolation with the next 2 closest expirations Date must be the current or a past date. If no date is given, returns data for the current/last market day.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Interpolated IV
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/iv-rank

summary	IV Rank
operationId	PublicApi.TickerController.iv_rank
auth	authorization

Returns the IV rank data for a ticker over a period of time. IV rank is a measure of where current implied volatility stands relative to its historical range.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	
timespan	query	no	OptionalTimespan	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	IV Rank
422	Unprocessable Entity	application/json	Error Message

Code	Description	Content-Types	Schema (1er)
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/max-pain

summary	Max Pain
operationId	PublicApi.TickerController.max_pain
auth	authorization

Returns the max pain for all expirations for the given ticker for the last 120 days

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Max Pain
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/net-prem-ticks

summary	Call/Put Net/Vol Ticks
operationId	PublicApi.TickerController.net_prem_ticks
auth	authorization

Returns the net premium ticks for a given ticker which can be used to build the following chart: !Net Prem chart (https://i.imgur.com/Rom1kcB.png) ---- Each tick is resembling the data for a single minute tick. To build a daily chart you would have to add the previous data to the current tick: ```javascript const url = 'https://api.unusualwhales.com/api/stock/AAPL/net-prem-ticks'; const options = { method: 'GET', headers: { Accept: 'application/json', Authorization: 'Bearer YOUR_TOKEN' } }; fetch(url, options) .then(r => r.json()) .then(r => { const {data} = r.data; const fieldsToSum = ["net_call_premium", "net_call_volume", "net_put_premium", "net_put_volume"]; let result = []; data.forEach((e, idx) => { e.net_call_premium = parseFloat(e.net_call_premium); e.net_put_premium = parseFloat(e.net_put_premium); if (idx !== 0) { fieldsToSum.forEach((field) => { e[field] = e[field] + result[idx-1][field]; }) } result.push(e); }) return result; }); ```

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	

Nom	Lieu	Requis	Type	Description
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Net Prem Tick response.
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/nope

summary	Nope
operationId	PublicApi.TickerController.nope
auth	authorization

Returns the tickers NOPE for the given market day broken down per minute. NOPE is the Net Options Pricing Effect, which tracks the intraday net delta of any ticker, but most research has been done on indexes. It functions under 2 assumptions: 1) MM's take short side of any call or put traded during the day 2) MM's try to minimize risk by dynamically hedging their delta-gamma exposure, and do so by buying/shorting the underlying stock in proportion to the total net delta being tradedBased on these assumptions, options trading in large amounts (re: very liquid tickers) can potentially drive the price of the underlying, to a certain extent. Large movements might exacerbate this real time hedging, and drive price movements further in respective directions. In short, NOPE represents a best-estimate of expected number of shares to be hedged at any given time, and will show a general expected direction on the underlying The original NOPE calculation was based on the following formula: `NOPE = (Call Delta - Put Delta) / Stock Volume` where call/put delta is obtained by multiplying each chains volume with its latest delta and then summing those values up. `NOPE fill` on the other hand is based on the delta at the time of the transaction Date must be the current or a past date. If no date is given, returns data for the current/last market day.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Nope

GET /api/stock/{ticker}/ohlc/{candle_size}

summary	OHLC
operationId	PublicApi.TickerController.ohlc

auth	authorization

Returns the Open High Low Close (OHLC) candle data for a given ticker. Results are limited to 2,500 elements even if there are more available. Note: If you select 1d as a candle_size then the candles won't have a start & end time. Note: Suppose you enter end_date value 2024-11-25 which was a Monday. Your response will include 1-2 hours of data from Tuesday 2024-11-26 due to UTC date rollover. Rest-assured, the response data covers the full trading day (based on Eastern time) according to your entered end_date.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
candle_size	path	yes	Candle Size	
timeframe	query	no	Time frame	
end_date	query	no	OHLC End Date	
date	query	no	Market Date	
limit	query	no	Max 2500 Min 1	

Réponses

Code	Description	Content-Types	Schema (1er)
200	OHLC Response	application/json	Candle data
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/oi-change

summary	OI Change
operationId	PublicApi.TickerController.oi_change
auth	authorization

Returns the tickers contracts' OI change data ordered by absolute OI change (default: descending). Date must be the current or a past date. If no date is given, returns data for the current/last market day.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	
limit	query	no	Min Limit 1	
page	query	no	Page	
order	query	no	OrderDirection	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	OI Change

GET /api/stock/{ticker}/oi-per-expiry

summary	OI per Expiry
operationId	PublicApi.TickerController.oi_per_expiry
auth	authorization

Returns the total open interest for calls and puts for a specific expiry date.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200	OI per expiry response	application/json	Open Interest per Expiry
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/oi-per-strike

summary	OI per Strike
operationId	PublicApi.TickerController.oi_per_strike
auth	authorization

Returns the total open interest for calls and puts for a specific strike.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200	OI per strike response	application/json	Open Interest per Strike

Code	Description	Content-Types	Schema (1er)
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/option-chains

summary	Option Chains
operationId	PublicApi.TickerController.option_chains
auth	authorization

Returns all option symbols for the given ticker that were present at the given day. If no date is given, returns data for the current/last market day. You can use the following regex to extract underlying ticker, option type, expiry & strike: `^(?<symbol>[\w]*)(?<expiry>(\d{2})(\d{2})(\d{2}))(?<type>[PC])(?<strike>\d{8})$` Keep in mind that the strike needs to be divided by 1,000.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200	Option chains response	application/json	Option Chains response
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/option/stock-price-levels

summary	Option Price Levels
operationId	PublicApi.TickerController.option_price_level
auth	authorization

Returns the call and put volume per price level for the given ticker. ---- Can be used to build a chart such as following: !Option Price Level chart (https://i.imgur.com/y6BZ4sG.png)

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Option Price Level
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/option/volume-oi-expiry

summary	Volume & OI per Expiry
operationId	PublicApi.TickerController.vol_oi_per_expiry
auth	authorization

Returns the total volume and open interest per expiry for the given ticker.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200	Vol & OI per expiry response	application/json	Volume & OI per Expiry
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/options-volume

summary	Options Volume
operationId	PublicApi.TickerController.options_volume
auth	authorization

Returns the options volume & premium for all trade executions that happened on a given trading date for the given ticker. ---- This can be used to build a ticker options overview such as: !Table (https://i.imgur.com/7FHyuqc.png) ---- !Line (https://i.imgur.com/UnVryDK.png)

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	

Nom	Lieu	Requis	Type	Description
limit	query	no	Default 1 Max 500 Min 1	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Ticker Options Volume
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/ownership

summary	Ownership
operationId	PublicApi.TickerController.ownership
auth	authorization

Returns the institutions, insider trades and politicians with the most shares

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
limit	query	no	Default 20 Max 100 Min 1	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Ownership
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/spot-exposures

summary	Spot GEX exposures per 1min
operationId	PublicApi.TickerController.spot_exposures_one_minute
auth	authorization

Returns the spot GEX exposures for the given ticker per minute. Spot GEX is the assumed $ value of the given greek (ie. gamma) exposure that market makers need to hedge per 1% change of the underlying stock's price movement. A positive value is long and a negative value is short. Investors and large funds lower risk and protect their money by selling calls and buying puts. Market makers provide the liquidity to facilitate these trades. GEX assumes that market makers are part of every transaction and that the bulk of their transactions are buying calls and selling puts to investors hedging their portfolios. If a market maker has one contract open with a gamma value of 0.05, then if the underlying stock price moves by 1%, that market maker is exposed to $[0.05 * 100 shares * 0.01 * stock price * underlying parameter of the greek variable (for gamma this variable is the stock price)]. The total market maker spot exposure is calculated by summing up the spot exposure of all open contracts determined by the daily open interest or by volume. Market makers profit from the bid-ask spreads and as such, they constantly gamma hedge (they buy and sell shares to keep their positions delta neutral). Long call positions are positive gamma - as the stock price increases and delta rises (approaches 1), market makers hedge by selling shares, and they buy shares if the stock price decreases and delta falls. Short put positions are negative gamma - as the stock price increases and delta falls (approaches -1), market makers hedge by buying shares, and they sell shares if the stock price decreases and delta rises. As such, in the event of large positive gamma, volatility is suppressed as market makers will hedge by buying as the stock price decreases and selling as the stock price increases. And in the event of large negative gamma, volatility is amplified as market makers will hedge by buying as the stock price increases and selling as the stock price decreases.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Spot GEX exposures per 1min
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/spot-exposures/expiry-strike

summary	Spot GEX exposures by strike & expiry
operationId	PublicApi.TickerController.spot_exposures_by_strike_expiry_v2
auth	authorization

Returns the most recent spot GEX exposures across all strikes for the given ticker & expiration on a given date. Calculated either with open interest or with volume. Data is available since 2025-01-16. Click here for the spot docs (https://api.unusualwhales.com/docs#/operations/PublicApi.TickerController.spot_exposures_by_strike)

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
expirations[]	query	yes	Expiry dates	
date	query	no	Optional Market Date	
limit	query	no	Default 500 Max 500 Min 1	
page	query	no	Page	

Nom	Lieu	Requis	Type	Description
min_strike	query	no	Min Strike	
max_strike	query	no	Max Strike	
min_dte	query	no	Min DTE	
max_dte	query	no	Max DTE	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Spot greek exposures by strike
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/spot-exposures/strike

summary	Spot GEX exposures by strike
operationId	PublicApi.TickerController.spot_exposures_by_strike
auth	authorization

Returns the most recent spot GEX exposures across all strikes for the given ticker on a given date. Calculated either with open interest or with volume. Spot GEX is the assumed $ value of the given greek (ie. gamma) exposure that market makers need to hedge per 1% change of the underlying stock's price movement. A positive value is long and a negative value is short. Investors and large funds lower risk and protect their money by selling calls and buying puts. Market makers provide the liquidity to facilitate these trades. GEX assumes that market makers are part of every transaction and that the bulk of their transactions are buying calls and selling puts to investors hedging their portfolios. If a market maker has one contract open with a gamma value of 0.05, then if the underlying stock price moves by 1%, that market maker is exposed to $[0.05 * 100 shares * 0.01 * stock price * underlying parameter of the greek variable (for gamma this variable is the stock price)]. The total market maker spot exposure is calculated by summing up the spot exposure of all open contracts determined by the daily open interest or by volume. Market makers profit from the bid-ask spreads and as such, they constantly gamma hedge (they buy and sell shares to keep their positions delta neutral). Long call positions are positive gamma - as the stock price increases and delta rises (approaches 1), market makers hedge by selling shares, and they buy shares if the stock price decreases and delta falls. Short put positions are negative gamma - as the stock price increases and delta falls (approaches -1), market makers hedge by buying shares, and they sell shares if the stock price decreases and delta rises. As such, in the event of large positive gamma, volatility is suppressed as market makers will hedge by buying as the stock price decreases and selling as the stock price increases. And in the event of large negative gamma, volatility is amplified as market makers will hedge by buying as the stock price increases and selling as the stock price decreases. In the case of directionalized volume, the bid/ask spread is used when calculating the exposures. When a trade is made closer to the ask, the Market Maker would be selling the contract and when a trade is closer to the bid then the Market Maker would be buying the contract. For example, the gamma exposure for directional volume is call_gamma_ask, and the value will be negative since a trade made at the ask means the market makers are selling/short the call. To get the full directionalized exposure, just sum up the call ask, call bid, put ask and put bid of a greek and strike.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	

Nom	Lieu	Requis	Type	Description
date	query	no	Optional Market Date	
min_strike	query	no	Min Strike	
max_strike	query	no	Max Strike	
limit	query	no	Default 500 Max 500 Min 1	
page	query	no	Page	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Spot greek exposures by strike
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/spot-exposures/{expiry}/strike

summary	Spot GEX exposures by strike & expiry (Deprecated)
operationId	PublicApi.TickerController.spot_exposures_by_strike_expiry
auth	authorization

This endpoint has been deprecated and will be removed, please migrate to the new endpoint (https://api.unusualwhales.com/docs#/operations/PublicApi.TickerController.spot_exposures_by_strike_expiry_v2)

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
expiry	path	yes	Single expiry date	
date	query	no	Optional Market Date	
min_strike	query	no	Min Strike	
max_strike	query	no	Max Strike	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Spot greek exposures by strike
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/stock-state

summary	Stock State
operationId	PublicApi.TickerController.last_stock_state
auth	authorization

Returns the last stock state for the given ticker. This is the easiest way to retreive the open, close, high, low and volume of the last trading day.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	

Réponses

Code	Description	Content-Types	Schema (1er)
200	Stock State Response	application/json	Stock state
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/stock-volume-price-levels

summary	Off/Lit Price Levels
operationId	PublicApi.TickerController.stock_volume_price_level
auth	authorization

Returns the lit & off lit stock volume per price level for the given ticker. ---- Important: The volume does **NOT** represent the full market dialy volume. It only represents the volume of executed trades on exchanges operated by Nasdaq and FINRA off lit exchanges.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Off Lit Price Level
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/volatility/realized

summary	Realized Volatility
operationId	PublicApi.TickerController.realized_volatility
auth	authorization

The implied and realized volatility of a given ticker. The implied volatility is the expected 30 day forward looking volatility. The realized/historical volatility is the volatility of the stock price in the last 30 days. Since IV is forward looking, the realized volatility is shifted 30 days backwards to see if the past IV pricings were frequently underpricing or overpricing the realized volatility risk.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	
timeframe	query	no	Time frame	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Realized Volatility
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/volatility/stats

summary	Volatility Statistics
operationId	PublicApi.TickerController.volatility_stats
auth	authorization

Returns comprehensive volatility statistics for a ticker on a specific date, including implied volatility data, realized volatility data, and their respective high/low values for the past year.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Volatility Statistics
422	Unprocessable Entity	application/json	Error Message

Code	Description	Content-Types	Schema (1er)
500	Internal Server Error	text/plain	Error Message on an internal server error.

GET /api/stock/{ticker}/volatility/term-structure

summary	Implied Volatility Term Structure
operationId	PublicApi.TickerController.implied_volatility_term_structure
auth	authorization

The average of the latest volatilities for the at the money call and put contracts for every expiry date.

Paramètres

Nom	Lieu	Requis	Type	Description
ticker	path	yes	SingleTicker	
date	query	no	Optional Market Date	

Réponses

Code	Description	Content-Types	Schema (1er)
200		application/json	Implied Volatility Term Structure
422	Unprocessable Entity	application/json	Error Message
500	Internal Server Error	text/plain	Error Message on an internal server error.

websocket

GET /api/socket

summary	WebSocket channels
operationId	PublicApi.SocketController.channels
auth	authorization

Returns the available WebSocket channels for connections. Websocket Guide You can find fully-functional examples that stream data from many channels here: - Python: https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output (https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output) - Javascript: https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output-nodejs (https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output-nodejs) The following channels are available: | Channel | Description | |-----------------------------|--| | option_trades | Receive live option trades throughout the trading session. Expect 6-10M records per day. | | option_trades:TICKER | Similar to `option_trades` but receive all trades only for the specified ticker. | | flow-alerts | Receive live flow alerts (all of them unfiltered). This data can be used to build views like https://unusualwhales.com/option-flow-alerts (https://unusualwhales.com/option-flow-alerts). | | price:TICKER | Receive live price updates for the given ticker. | | news | Receive live headline news. | | lit_trades | Receive live lit (exchange-based) trades throughout the trading session. | | off_lit_trades | Receive live off-lit (dark pool) trades throughout the trading session. | | gex:TICKER | Receive live gex update for the given ticker. | | gex_strike:TICKER | Receive live gex strike updates for every strike of the given ticker. | | gex_strike_expiry:TICKER | Receive live gex strike updates for every strike & expiry of the given ticker. | The `option_trades` channel will stream all 6,000,000 option trades in real-time, `option_trades:<TICKER>` will stream all option trades for the given ticker in real-time. `flow-alerts` will stream from the alerts page (https://unusualwhales.com/option-flow-alerts?limit=50) Connect For a python example script that streams gex by ticker (gex:TICKER), flow alerts (flow-alerts), and all TSLA option trades (option_trades:TSLA), see our "examples" repo on Github: https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output (https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output) We will use websocat (https://github.com/vi/websocat) to demonstrate how to connect to the WebSocket server. ```bash websocat "wss://api.unusualwhales.com/socket?token=<YOUR_API_TOKEN>" {"channel":"option_trades","msg_type":"join"} ``` The server will then reply with ```bash ["option_trades",{"response":{},"status":"ok"}] ``` indicating that the connection was successful. You will then receive data in the following format: ```bash [<CHANNEL_NAME>, <PAYLOAD>] ``` during market hours. To receive the trades only for a specific ticker, use the following command: ```bash {"channel":"option_trades","msg_type":"join"} ``` You can join multiple channels with the same websocket connection: ```bash websocat "wss://api.unusualwhales.com/socket?token=<YOUR_API_TOKEN>" {"channel":"option_trades","msg_type":"join"} ["option_trades",{"response":{},"status":"ok"}] {"channel":"option_trades:JPM","msg_type":"join"} ["option_trades:JPM",{"response":{},"status":"ok"}] ``` Using a client If you are using Python, you can use the websocket-client (https://github.com/websocket-client/websocket-client) library to connect to the server. ```python import websocket import time import rel import json def on_message(ws, msg): msg = json.loads(msg) channel, payload = msg print(f"Got a message on channel {channel}: Payload: {payload}") def on_error(ws, error): print(error) def on_close(ws, close_status_code, close_msg): print("### closed ###") def on_open(ws): print("Opened connection") msg = {"channel":"option_trades","msg_type":"join"} ws.send(json.dumps(msg)) if __name__ == "__main__": websocket.enableTrace(False) ws = websocket.WebSocketApp("wss://api.unusualwhales.com/socket?token=<YOUR_TOKEN>", on_open=on_open, on_message=on_message, on_error=on_error, on_close=on_close) ws.run_forever(dispatcher=rel, reconnect=5) # Set dispatcher to automatic reconnection, 5 second reconnect delay if connection closed unexpectedly rel.signal(2, rel.abort) # Keyboard Interrupt rel.dispatch() Historic data To download/access historic data, use the endpoint /api/option-trades/full-tape (https://api.unusualwhales.com/docs#/operations/PublicApi.OptionTradeController.full_tape)

GET /api/socket/flow_alerts

summary	Flow alerts
operationId	PublicApi.SocketController.flow_alerts
auth	authorization

NOTE: This is the documentation for websocket channel `flow-alerts`. Websocket access for personal use is only available through the Advanced plan (https://unusualwhales.com/pricing?product=api). You can find fully-functional examples that stream data from many channels here: - Python: https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output (https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output) - Javascript: https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output-nodejs (https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output-nodejs) Connect to the websocket URI: `wss://api.unusualwhales.com/socket?token=<YOUR_API_TOKEN>` then `join` the channel you wish to stream: `flow-alerts` for all flow alerts. Payload format: ``` ["flow-alerts", { "rule_id": "5ce5ec11-087c-4c00-b164-08106b015856", "rule_name": "RepeatedHitsDescendingFill", "ticker": "DIA", "option_chain": "DIA241018C00415000", "underlying_price": 415.981, "volume": 106, "total_size": 50, "total_premium": 36466, "total_ask_side_prem": 36466, "total_bid_side_prem": 0, "start_time": 1726670212648, "end_time": 1726670212748, "url": "", "price": 7.3, "has_multileg": false, "has_sweep": false, "has_floor": false, "open_interest": 575, "all_opening_trades": false, "id": "29ed5829-e4ce-4934-876b-51985d2f9b70", "has_singleleg": true, "volume_oi_ratio": 0, "trade_ids": ["417f0cd6-09ae-4d43-8542-38557bb713aa", "4af4c646-4b21-4a27-8326-db7b0698d3d8", "74ddcd55-dcb3-4543-a488-16ee7ca91d45", "4ec49859-74a2-4d32-9911-ea329dd77326", "e164da3a-a6aa-41d9-a948-c17817453a21", "b0d98eeb-1429-4494-9dcc-8d5e7eb46f7d", "81b1dcad-f3f6-48a2-bf51-0bfd362ad372"], "trade_count": 7, "expiry_count": 1, "executed_at": 1726670212748, "ask_vol": 52, "bid_vol": 49, "no_side_vol": 0, "mid_vol": 5, "multi_vol": 0, "stock_multi_vol": 0, "upstream_condition_details": ["auto", "slan"], "exchanges": ["XCBO", "MPRL"], "bid": "7.15", "ask": "7.3" }] ```

GET /api/socket/gex

summary	GEX
operationId	PublicApi.SocketController.gex
auth	authorization

NOTE: This is the documentation for websocket channels `gex:<TICKER>`, `gex_strike:<TICKER>`, and `gex_strike_expiry:<TICKER>`. Websocket access for personal use is only available through theAdvanced plan (https://unusualwhales.com/pricing?product=api). You can find fully-functional examples that stream data from many channels here: - Python: https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output (https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output) - Javascript: https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output-nodejs (https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output-nodejs) Connect to the websocket URI: `wss://api.unusualwhales.com/socket?token=<YOUR_API_TOKEN>` then `join` the channel you wish to stream, for example `gex:SPY` for live GEX updates for SPY, `gex_strike:SPY` for strike-level GEX data, or `gex_strike_expiry:SPY` for strike and expiry level GEX data. Payload format: Format for `gex:<TICKER>`: ``` ["gex:SPY", { "ticker": "SPY", "timestamp": 1726670396000, "gamma_per_one_percent_move_oi": "-262444980.31", "delta_per_one_percent_move_oi": "", "charm_per_one_percent_move_oi": "-1677926539943.05", "vanna_per_one_percent_move_oi": "2842602508.57", "price": "562.86", "gamma_per_one_percent_move_vol": "-934307209.58", "delta_per_one_percent_move_vol": "", "charm_per_one_percent_move_vol": "-556207588704.10", "vanna_per_one_percent_move_vol": "128814703.59", "gamma_per_one_percent_move_dir": "-9372185.61", "charm_per_one_percent_move_dir": "-2055997560.50", "vanna_per_one_percent_move_dir": "-6220855.09" }] ``` Format for `gex_strike:<TICKER>`: ``` ["gex_strike:SPY", { "ticker": "SPY", "timestamp": 1726670426000, "call_gamma_oi": "174792.59", "put_gamma_oi": "-1172037.66", "call_charm_oi": "85658181.72", "put_charm_oi": "-315259003.37", "call_vanna_oi": "-6103.51", "put_vanna_oi": "1337727.64", "call_gamma_vol": "15596.81", "put_gamma_vol": "-236.69", "call_charm_vol": "-326871.58", "put_charm_vol": "-68457.78", "call_vanna_vol": "2063.13", "put_vanna_vol": "845.06", "strike": "290", "price": "562.96", "call_gamma_ask_vol": "-4064.62", "call_gamma_bid_vol": "11532.18", "put_gamma_ask_vol": "-140.95", "put_gamma_bid_vol": "95.73", "call_charm_ask_vol": "85184.72", "call_charm_bid_vol": "-241686.87", "put_charm_ask_vol": "-59412.37", "put_charm_bid_vol": "9045.42", "call_vanna_ask_vol": "-537.66", "call_vanna_bid_vol": "1525.46", "put_vanna_ask_vol": "523.79", "put_vanna_bid_vol": "-321.27" }] ``` Format for `gex_strike_expiry:<TICKER>`: ``` ["gex_strike_expiry:SPY", { "ticker": "SPY", "expiry": "2025-01-24", "timestamp": 1726670426000, "call_gamma_oi": "174792.59", "put_gamma_oi": "-1172037.66", "call_charm_oi": "85658181.72", "put_charm_oi": "-315259003.37", "call_vanna_oi": "-6103.51", "put_vanna_oi": "1337727.64", "call_gamma_vol": "15596.81", "put_gamma_vol": "-236.69", "call_charm_vol": "-326871.58", "put_charm_vol": "-68457.78", "call_vanna_vol": "2063.13", "put_vanna_vol": "845.06", "strike": "290", "price": "562.96", "call_gamma_ask_vol": "-4064.62", "call_gamma_bid_vol": "11532.18", "put_gamma_ask_vol": "-140.95", "put_gamma_bid_vol": "95.73", "call_charm_ask_vol": "85184.72", "call_charm_bid_vol": "-241686.87", "put_charm_ask_vol": "-59412.37", "put_charm_bid_vol": "9045.42", "call_vanna_ask_vol": "-537.66", "call_vanna_bid_vol": "1525.46", "put_vanna_ask_vol": "523.79", "put_vanna_bid_vol": "-321.27" }] ```

GET /api/socket/news

summary	News
operationId	PublicApi.SocketController.news
auth	authorization

NOTE: This is the documentation for websocket channel `news`. Websocket access for personal use is only available through the Advanced plan (https://unusualwhales.com/pricing?product=api). You can find fully-functional examples that stream data from many channels here: - Python: https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output (https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output) - Javascript: https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output-nodejs (https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output-nodejs) Connect to the websocket URI: `wss://api.unusualwhales.com/socket?token=<YOUR_API_TOKEN>` then `join` the channel you wish to stream: `news` for all live headline news. Payload format: ``` ["news", { "headline":"US Energy Secretary foresees many more LNG export deals signed", "timestamp":"2025-06-11T21:40:56Z", "source":"social-media", "tickers":[], "is_trump_ts":false }] ```

GET /api/socket/option_trades

summary	Option trades
operationId	PublicApi.SocketController.option_trades
auth	authorization

NOTE: This is the documentation for websocket channels `option_trades` and `option_trades:<TICKER>`. Websocket access for personal use is only available through the Advanced plan (https://unusualwhales.com/pricing?product=api). You can find fully-functional examples that stream data from many channels here: - Python: https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output (https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output) - Javascript: https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output-nodejs (https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output-nodejs) Connect to the websocket URI: `wss://api.unusualwhales.com/socket?token=<YOUR_API_TOKEN>` then `join` the channel(s) you wish to stream, for example `option_trades` for all tickers or `option_trades:TSLA` for TSLA transactions only. Payload format: ``` { "id":"a4dc6020-0611-4c23-b0bc-99944c7348ab", "underlying_symbol":"UVIX", "executed_at":1726670167412, "nbbo_bid":"0.01", "nbbo_ask":"0.09", "size":1, "price":"0.01", "option_symbol":"UVIX240920C00025000", "created_at":1726670167461, "report_flags":[ ], "tags":["bid_side", "bearish", "etf"], "expiry":"2024-09-20", "option_type":"call", "open_interest":410, "strike":"25.0000000000", "premium":"1.00", "volume":105, "underlying_price":"4.9261", "ewma_nbbo_ask":"0.09", "ewma_nbbo_bid":"0.01", "implied_volatility":"8.46381958089369", "delta":"0.01132315610146539", "theta":"-0.02291485773244166", "gamma":"0.00962272181839715", "vega":"0.0001082948756510385", "rho":"0.000002508438316242667", "theo":"0.01", "trade_code":"slan", "exchange":"XCBO", "ask_vol":10, "bid_vol":95, "no_side_vol":0, "mid_vol":0, "multi_vol":0, "stock_multi_vol":0 } ```

GET /api/socket/price

summary	Price
operationId	PublicApi.SocketController.price
auth	authorization

NOTE: This is the documentation for websocket channel `price:<TICKER>`. Websocket access for personal use is only available through theAdvanced plan (https://unusualwhales.com/pricing?product=api). You can find fully-functional examples that stream data from many channels here: - Python: https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output (https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output) - Javascript: https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output-nodejs (https://github.com/unusual-whales/api-examples/tree/main/examples/ws-multi-channel-multi-output-nodejs) Connect to the websocket URI: `wss://api.unusualwhales.com/socket?token=<YOUR_API_TOKEN>` then `join` the channel you wish to stream, for example `price:SPY` for live price updates for SPY. Payload format: ``` ["price:SPY",{"close":"562.82","time":1726670327692,"vol":6015555}] ```