

Image — Next Gate Tech

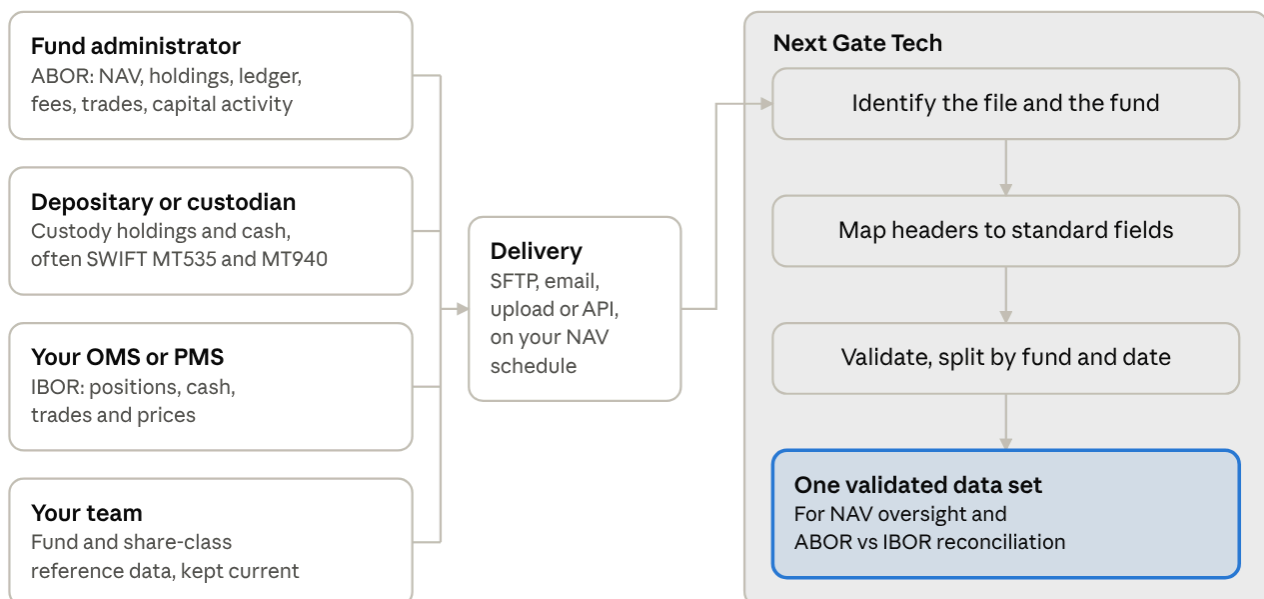
Connecting your data to SPARK

SPARK by Next Gate Tech connects to the providers you already use and turns their files into one consistent, validated data set. It sits on top of your existing infrastructure, so your administrator, depositary and investment teams keep working as they do today.

How it works

Files from your providers become one validated data set

Files arrive as your providers produce them; we take care of the mapping



How it works · 4 sources, 1 delivery step, 4 steps at Next Gate Tech

Your providers send files on their usual schedule. We identify, map and validate each one into a single data set you can rely on.

The data we work with

We work with three books of record, plus the reference data that ties them together.

Category	Data	What it gives you	Usually sent by	Typical frequency
ABOR	NAV and share-class data	The official NAV, shares in issue and dealing activity per share class	Fund administrator	Each NAV
ABOR	Holdings valuation	Every position, valued at official prices	Fund administrator	Each NAV
ABOR	Trial balance and general ledger	The accounts behind the NAV, including fee accruals	Fund administrator	Each NAV or month end
ABOR	Fees and expenses	Accrued fees and rates, for fee and expense oversight	Fund administrator	Each NAV
ABOR	Portfolio transactions	Trades and security movements booked in the fund	Fund administrator	Daily
ABOR	Capital activity	Subscriptions, redemptions and distributions	Administrator or transfer agent	Each dealing day
ABOR	FX, forwards and hedging	Exchange rates, open FX contracts and share-class hedges	Fund administrator	Each NAV
ABOR	Swing pricing and dilution	Swing decisions and factors	Fund administrator	Each dealing day
IBOR	Positions, cash, trades and prices	The portfolio as your investment team sees it	Your order or portfolio management system	Daily
Custody	Custody holdings and cash	The depositary's independent record of what the fund holds	Depositary or custodian	Daily

Category	Data	What it gives you	Usually sent by	Typical frequency
Reference	Fund and share-class reference data	The static details that identify each fund and share class	You or your administrator	Once, then on change
Optional	Performance and benchmarks	Returns and benchmark levels, for performance oversight	You or your index provider	Daily or monthly
Optional	Fund documents	Prospectus, fee schedules and invoices, for document checks	You or your administrator	On change

You do not need to send everything on day one. We start with what your use case needs: for example NAV, holdings and trial balance for NAV oversight, or holdings, IBOR and custody positions for reconciliation.

Fund and share-class reference data

Reference data tells us what each fund and share class is, so every file is read in the right context. We set it up with you once and update it whenever you tell us something has changed.

Item	What it covers
Fund and sub-fund	Legal name, sub-fund code, LEI, domicile, base currency, financial year end
Share class	ISIN, class code, currency, accumulation or distribution, hedged or unhedged, launch date
Valuation and dealing	NAV frequency and publication timing, and whether orders deal at the next valuation date
Service providers	Your administrator, depositary and transfer agent, with the codes each uses for your funds
Fees	Fee types, rates, bases, tiers and payment frequency, including performance-fee terms
Instruments	Your own security codes and classifications, when your IBOR uses them

A simple spreadsheet or your administrator's static data report both work. We confirm every detail with you before go-live.

Getting started

Onboarding starts with a short checklist, and most of it is information you already have.

1. **Scope:** the funds and share classes to cover, with their ISINs.
2. **Providers:** your administrator, your depositary and, for reconciliation, your order or portfolio management system, with a contact at each.
3. **Authorisation:** a signed data authorisation form for each provider, so they can send files to us directly.
4. **Sample files:** a recent day of each file type, plus a month end for monthly reports, so we can map the layouts before go-live.
5. **Reference data:** the fund and share-class details described above.
6. **Delivery:** your preferred channel and timing for each feed.

In most cases your providers send us reports they already produce. Feeds start only once you have authorised them.

Formats we accept

Your providers can send files exactly as they produce them today; we adapt to the layout, not the other way round.

- **File types:** CSV and text files with comma, semicolon, pipe or tab delimiters, Excel, fixed-width text, SWIFT messages and PDF documents. ZIP or GZ archives also work, such as a full NAV pack.
- **Headers and languages:** report titles above the header, headerless layouts, and headers in English, French or other languages.
- **Dates and numbers:** common date formats, decimal points or commas, thousands separators and negatives in brackets.
- **Layouts:** from compact extracts to reports with hundreds of columns, and one file per fund or one file for many funds.
- **Changes:** tell us before a layout changes and we update the mapping in advance.
- **Corrections:** providers can re-send a corrected file, for example after a NAV restatement, and we process the new version.
- **Late or changed files:** our checks flag a file that arrives late, incomplete or in a new layout, and we follow up with you.

Integrations and connectors

Files are only one way in. Integrations bring data into SPARK automatically, and connectors let agents reach the systems they need, always within the permissions you set.

	Integrations, for automation	Connectors, for agents
What they do	Bring data in on arrival or on a schedule, and start the workflows that check it	Let an agent look up, read and gather information while it works on a task
Typical sources	SFTP, file upload, API and email delivery from your providers	Document stores, messaging and knowledge tools, and market data providers
What happens next	A file arrives, its workflow runs, deterministic checks apply and the results land in SPARK	An agent gathers evidence, explains a break or drafts a summary for a person to review

	Integrations, for automation	Connectors, for agents
How it is controlled	Every run is logged and traceable, and workflows can pause for a person to review or approve	Connectors are switched on per workspace, tools can be switched off one by one, and credentials stay in a secure vault

- Workflows do the repeatable work, and agents help where judgement is needed. People own the decisions.
- Credentials are kept in a vault, never in a prompt or a script, and agents receive only short-lived access tokens.
- Data processed by AI is never reused to train shared or external models.
- Our catalogue keeps growing, and some connectors are in early access. See nextgatetech.com/integrations, or ask us about a specific system.

Key fields at a glance

Whatever the layout, each data type needs a few key fields so we can identify, value and match it. Example tables for each data type follow in the appendix, and a full field-by-field specification is available on request.

Data type	Key fields
NAV and share-class data	NAV date, sub-fund code, share-class ISIN and currency, NAV per share, shares outstanding, share-class net assets
Holdings valuation	Valuation date, sub-fund code, security code or ISIN, security currency, quantity, price, market value, FX rate to base currency
Trial balance and general ledger	Date, sub-fund code, account number, account currency, balance in base currency
Fees and expenses	Date, sub-fund code, fee name, fee currency, accrued balance
Portfolio transactions	Trade date, sub-fund code, transaction type, security code or ISIN, quantity, price, trade currency, net amount
Capital activity	Dealing date, sub-fund code, share class, transaction type, shares, amount

Data type	Key fields
FX rates	Date, currency pair and quoting direction, rate
FX forwards and hedging	Valuation date, sub-fund code, trade and maturity dates, currencies and amounts bought and sold, unrealised gain or loss in base currency
Swing pricing	Dealing date, sub-fund code, NAV per share before and after the swing
IBOR positions	Position date, portfolio code, security id or ISIN, currency, quantity
IBOR cash	Date, portfolio code, cash account, currency, balance; for movements, value date and amount
IBOR trades	Trade and settlement dates, portfolio code, trade reference, security id or ISIN, buy or sell, quantity, price, trade currency
Custody holdings and cash	Statement date, account, ISIN and holding balance; opening balance, entries and closing balance for cash
Reference data	Sub-fund code, base currency, NAV frequency, share-class ISIN, code and currency, and each provider's codes for your funds

Security and confidentiality

Your data is transferred securely, hosted in the EU and kept apart from other clients' data.

- **Transfer:** files arrive by SFTP, by email to our data inbox, by upload in SPARK, or by API where agreed. SFTP, SPARK and the API encrypt data in transit, and we recommend SFTP for regular feeds.
- **Hosting:** your data is hosted and stored in our cloud environment in the EU.
- **Separation:** your data is kept apart from other clients' data and is never shared with them. Access is limited to your users and authorised Next Gate Tech staff.
- **Control:** feeds start only with your written authorisation, and you decide which providers and funds are in scope.
- **Personal data:** we do not need investor names or other personal data; share-class level capital activity is enough.
- **Retention:** we keep your data while your agreement runs and delete it when it ends, as your contract sets out.

- **Certification:** Next Gate Tech is certified to ISO/IEC 27001:2022; our [Trust Center](#) has the details.

Next steps

Your Next Gate Tech contact will walk you through the checklist and agree a go-live plan with you. We usually start with one recent day of sample files, map them, and review the result with you before regular feeds begin.

Appendix: example field tables

Each table shows the main fields of one data type, with invented values for a fictional fund, Contoso Global Bond Fund. Your providers' own headers can differ; we map them for you.

Names, descriptions and classifications are optional when an identifier such as the ISIN is present, because we complete them from reference data.

NAV and share-class data

One row per share class per NAV date.

Field	Description	Type	Example
nav_date	Valuation date the NAV is struck for	Date	2026-09-30
sub_fund_code	Administrator's code for the sub-fund	Text	CGBF01
share_class_isin	ISIN of the share class	Identifier	NX0000000001
share_class_currency	Currency the share class is priced in	Currency	EUR
nav_per_share	Net asset value per share, in share-class currency	Decimal	105.81
shares_outstanding	Shares in issue at the NAV date	Decimal	1234567.890
share_class_net_assets	Net assets of the share class, in share-class currency	Decimal	130629628.44

Field	Description	Type	Example
sub_fund_net_assets	Net assets of the whole sub-fund, in base currency	Decimal	412580330.12
subscriptions_amount / redemptions_amount	Amounts dealt at this NAV, in share-class currency	Decimal	132525.00 / 84816.00
dividend_per_share	Distribution per share going ex on this NAV date	Decimal	0.4500

Holdings valuation

One row per position per valuation date.

Field	Description	Type	Example
valuation_date	Date the holdings are valued at, normally the NAV date	Date	2026-09-30
sub_fund_code	Sub-fund holding the position	Text	CGBF01
security_code	Administrator's code for the instrument	Text	FAB31
isin	ISIN of the instrument, when it has one	Identifier	NX00000000123
security_name	Instrument description	Text	Fabrikam Inc 3.25% 15/03/2031
asset_type	Administrator's instrument type or asset class	Text	Corporate bond
security_currency	Currency the instrument is priced in (local currency)	Currency	USD
quantity	Units held, or nominal for bonds	Decimal	2500000
price_local	Valuation price in local currency; bonds as a percentage of par	Decimal	98.75

Field	Description	Type	Example
market_value_local	Market value in local currency, excluding accrued interest	Decimal	2468750.00
accrued_interest_local	Accrued interest in local currency	Decimal	3385.42
fx_rate_local_to_base	Rate converting local currency into base currency	Decimal	0.8547
market_value_base	Market value in base currency	Decimal	2110040.63

Trial balance and general ledger

One row per ledger account per date.

Field	Description	Type	Example
balance_date	Date of the balance, normally the NAV date	Date	2026-09-30
sub_fund_code	Sub-fund the ledger belongs to	Text	CGBF01
account_number	General-ledger account number	Text	4011000
account_name	Account description	Text	Management fee payable
account_category	Section of the chart of accounts	Text	Liabilities
account_currency	Currency the account is kept in	Currency	EUR
balance_base	Balance in base currency, with credit balances negative	Decimal	-246943.64

Fees and expenses

One row per fee per sub-fund or share class per date.

Field	Description	Type	Example
valuation_date	Date the accrual is calculated for	Date	2026-09-30

Field	Description	Type	Example
sub_fund_code / share_class	Sub-fund and, when the fee is set per class, the share class charged	Text	CGBF01 / AEURDIS
fee_name	Fee or expense as the administrator books it	Text	Management fee
fee_currency	Currency of the fee amounts	Currency	EUR
fee_rate	Annual rate, in percent	Percentage	0.75
accrued_balance	Fee accrued and not yet paid at the date	Decimal	246943.64
daily_accrual	Fee charged for the day	Decimal	2684.17

Portfolio transactions

One row per trade or security movement booked in the fund.

Field	Description	Type	Example
trade_date	Date the trade was executed	Date	2026-09-28
settlement_date	Contractual settlement date	Date	2026-09-30
sub_fund_code	Sub-fund that traded	Text	CGBF01
transaction_type	Buy, sell, maturity, corporate action and so on	Text	Buy
transaction_status	Booked, cancelled or reversed	Text	Booked
security_code / isin	Administrator's code, and the ISIN when the instrument has one	Text / Identifier	FAB31 / NX00000000123
quantity	Units or nominal traded	Decimal	500000
price_local	Trade price; bonds as a percentage of par	Decimal	98.40
trade_currency	Currency of the trade	Currency	USD
net_amount_local	Settlement amount in trade currency, including accrued interest and costs	Decimal	492923.08

Capital activity

One row per subscription, redemption, switch or distribution per share class.

Field	Description	Type	Example
dealing_date	NAV date the order is dealt at	Date	2026-09-30
sub_fund_code	Sub-fund of the share class	Text	CGBF01
share_class	Share-class ISIN or code	Text	NX0000000001
transaction_type	Subscription, redemption, switch or distribution	Text	Subscription
shares	Shares issued or cancelled	Decimal	1250.000
amount	Amount in share-class currency, before dealing fees	Decimal	132525.00

Field	Description	Type	Example
dealing_price	Price the order was dealt at, after any swing	Decimal	106.02
settlement_date	Cash settlement date	Date	2026-10-02

FX forwards and share-class hedging

One row per open FX contract per valuation date.

Field	Description	Type	Example
valuation_date	Date of the valuation	Date	2026-09-30
sub_fund_code	Sub-fund holding the contract	Text	CGBF01
maturity_date	Settlement date of the contract	Date	2026-10-02
buy_currency / buy_amount	Currency and amount bought	Currency / Decimal	USD / 25000000.00
sell_currency / sell_amount	Currency and amount sold	Currency / Decimal	EUR / 21389459.27
contract_rate	Agreed forward rate	Decimal	1.1688
unrealised_pl_base	Mark-to-market of the contract, in base currency	Decimal	-25589.85
hedged_share_class	Share class the contract hedges, if any	Text	IUSDHD

Swing pricing

One row per sub-fund or share class per dealing date.

Field	Description	Type	Example
dealing_date	Dealing date the adjustment applies to	Date	2026-09-30
sub_fund_code	Sub-fund being swung	Text	CGBF01
unswung_nav_per_share	NAV per share before the swing	Decimal	105.81

Field	Description	Type	Example
swung_nav_per_share	NAV per share after the swing	Decimal	106.02
swing_direction	Up for net inflows, down for net outflows	Text	Up
swing_factor	Swing factor applied, in percent	Percentage	0.20

IBOR positions, cash and trades

From your order or portfolio management system, one row per position, cash account or trade per business date.

Field	Description	Type	Example
position_date	Business date of the position	Date	2026-09-30
portfolio_code	Your code for the portfolio or fund	Text	CGBF01
security_id / isin	Your security code, and the ISIN when there is one	Text / Identifier	SEC-004512 / NX0000000123
asset_type	Your instrument type or asset class	Text	Corporate bond
security_currency	Currency the instrument is priced in	Currency	USD
quantity	Units held, or nominal for bonds	Decimal	2500000
price_local	Your price for the instrument	Decimal	98.80
market_value_local	Market value in local currency, excluding accrued interest	Decimal	2470000.00

Cash balances, one row per cash account and currency:

Field	Description	Type	Example
balance_date	Business date of the balance	Date	2026-09-30
cash_account	Bank or broker account, or your internal cash account	Text	CGBF01-USD-CUR

Field	Description	Type	Example
currency	Currency of the account	Currency	USD
balance	Balance in account currency	Decimal	1250430.18
balance_basis	Settled balance, or trade-date (projected) balance	Text	Settled

Trades, one row per trade or order, including trades not yet booked by the administrator:

Field	Description	Type	Example
trade_date / settlement_date	Execution date and expected settlement date	Date	2026-09-28 / 2026-09-30
trade_id	Your trade or order reference	Text	OMS-778812
isin	ISIN of the instrument, or your security id when it has none	Identifier	NX0000000123
side	Buy, sell, short sell or buy to cover	Text	Buy
quantity / price_local	Units traded and execution price	Decimal	500000 / 98.40
status	New, executed, confirmed, settled or cancelled	Text	Executed

Custody holdings and cash (SWIFT)

Statements from your depository or custodian, as SWIFT messages or a CSV conversion of them. MT535 carries holdings; MT940 and MT950 carry cash.

Field	Description	SWIFT tag	Example
statement_date	Date the holdings statement is as of	:98A::STAT	20260930
safekeeping_account	Custody account holding the securities	:97A::SAFE	12345678
isin	ISIN of the security, with its description	:35B:	ISIN NX0000000123

Field	Description	SWIFT tag	Example
aggregate_balance	Total holding, as units or face amount	:93B::AGGR	FAMT/2500000,
holding_value	Value of the holding, with its currency	:19A::HOLD	USD2468750,
opening_balance	Cash at the start of the statement	:60F:	C260929USD1743353,26
entry_amount	Debit or credit amount of each cash entry	:61:	D492923,08
closing_balance	Cash at the end of the statement	:62F:	C260930USD1250430,18

Fund and share-class reference data

Set up once per sub-fund and share class, then updated when something changes.

Field	Description	Type	Example
sub_fund_code	Administrator's code for the sub-fund	Text	CGBF01
sub_fund_name	Legal name of the sub-fund	Text	Contoso Global Bond Fund
base_currency	Reference currency of the sub-fund	Currency	EUR
nav_frequency	How often the NAV is struck	Text	Daily
share_class_isin	ISIN of the share class	Identifier	NX0000000001
share_class_code	Administrator's code for the class	Text	AEURDIS
share_class_currency	Currency the class is priced in	Currency	EUR
distribution_policy	Accumulating or distributing	Text	Distributing
hedged	Whether the class is currency-hedged	Flag	false

Field	Description	Type	Example
provider_codes	Codes each provider uses for your sub-funds and share classes	Text	CGBF01, AEURDIS
fee_name / fee_rate / calculation_basis	Each fee with its annual rate and what it applies to	Text / Percentage / Text	Management fee / 0.75 / Net assets