

THE CLEARWATER SOLUTION

ACCOUNTING • COMPLIANCE • PERFORMANCE • RISK

Clearwater's Approach

Clearwater provides the infrastructure our clients need to responsibly manage investments, diversify asset classes, and scale with any data management needs that may arise in the future. Investors need to have access to the most accurate, timely, and integrated portfolio data available to make informed decisions, drive periodic reporting requirements, and maintain ongoing portfolio analysis.



Automated Data Aggregation

Clearwater builds and maintains hundreds of connections to investment managers, fund administrators, custodians, brokers, and data vendors. This provides a centralised system for back-office and security master data.



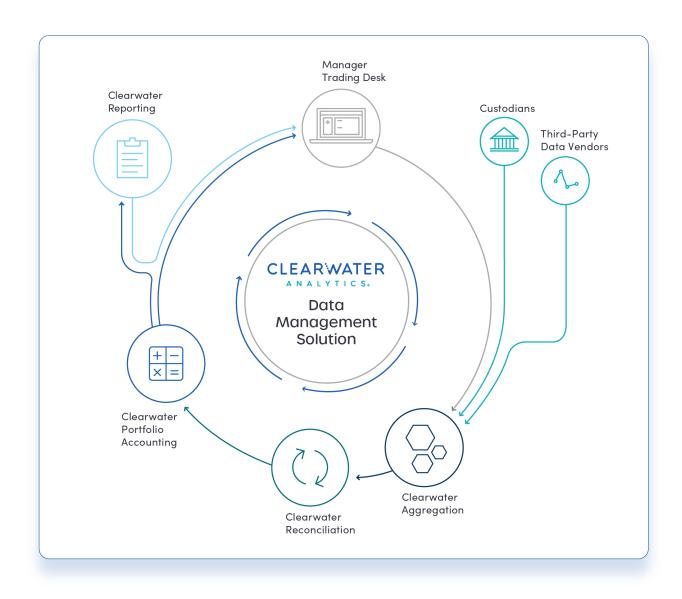
Data Reconciliation and Validation

Clearwater reconciles cash, positions, and transactions between various sources (investment managers, custodi-ans, and others). Clearwater has teams dedicated to enriching and standard-ising security master data for various asset classes, including accounting and performance verifications.



Portfolio Accounting and Reporting

These processes feed Clearwater's multi-asset class, multi-currency, multi-basis investment accounting and performance system, which produces accruals, book values, market values, and other accounting data needed to drive both the daily trading cycle, as well as the other reporting and analysis functions.



Configurable Reporting for Your Needs

Clearwater is a dynamic web-based solution that enables you to create and modify reports and dashboards. Tailor both high-level and in-depth portfolio views, powered by clean, validated investment data for your portfolio book-of-record accounting, compliance monitoring, performance metrics, and risk analytics.

Reporting Features

- Add, remove, sort, group, and filter columns
- Share reports with team members and save for easy reuse
- Download customised reporting packages

Dashboard Features

- Monitor trends, measure performance, and track critical investment information at a high level
- Easily add, move, and customise widgets
- Create and save as many dashboards as desired

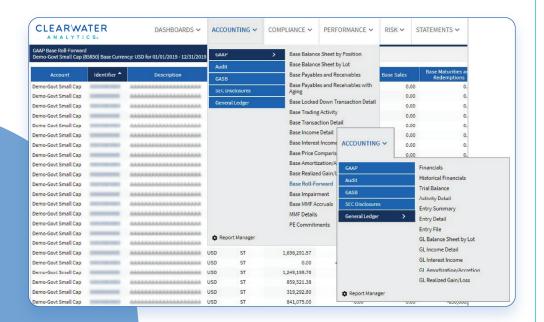


Accounting

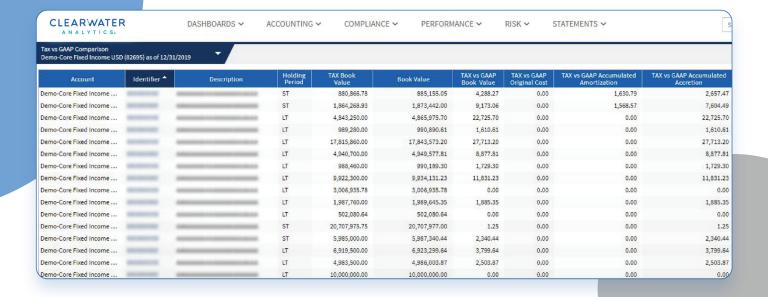
Clearwater provides accounting for multiple asset classes and currencies to accommodate insurers' needs across the globe. The system can be configured to any accounting basis including IFRS, GAAP, Tax, and others.

Easily customise disclosure reports and other standard balance sheets, income statements, and roll-forward reports. You can group data on multiple levels, write formulas, pivot, and add or remove non-module-specific data points. Accounting information can be pulled into varying types of reports, like risk and performance, to allow for a more comprehensive analysis.

Powerful automation provides standardised investment-related disclosures such as Fair Value Hierarchy and Level 3 Roll-Forward.



- Roll-Forward
- Multi-Basis Tie-Outs
- (IFRS, GAAP, Tax, etc.)
- Tax Lot Holdings
- Transaction Detail
- Payables and Receivables
- Net Income Detail
- Impairment Analysis
- Amortisation/Accretion
- Custom Footnotes and Disclosures
- Historical Financials
- Trial Balance

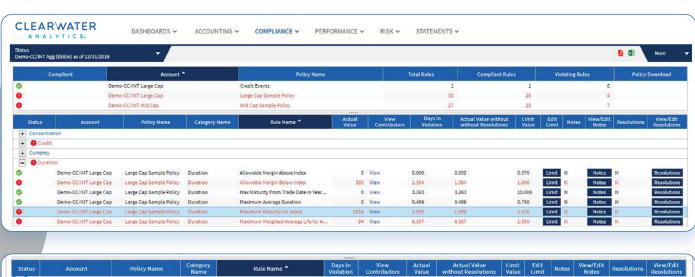


Compliance

Clearwater provides actionable, up-to-date information regarding portfolio compliance on a daily basis. The compliance module is fully integrated with your accounting book of record data and can track any data point on the Clearwater system, across multiple accounts, managers, or business units.

This independent monitoring proactively sends you compliance status notifications, including:

- Internal investment policy and state policy monitoring
- Automatic email notifications
- Complete history and analysis



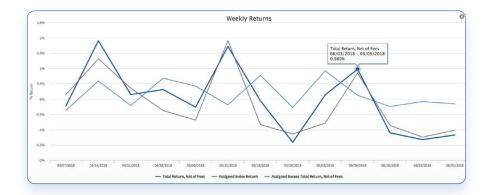


- Status
- Contributors
- · History by Date
- · History by Rule
- Audit

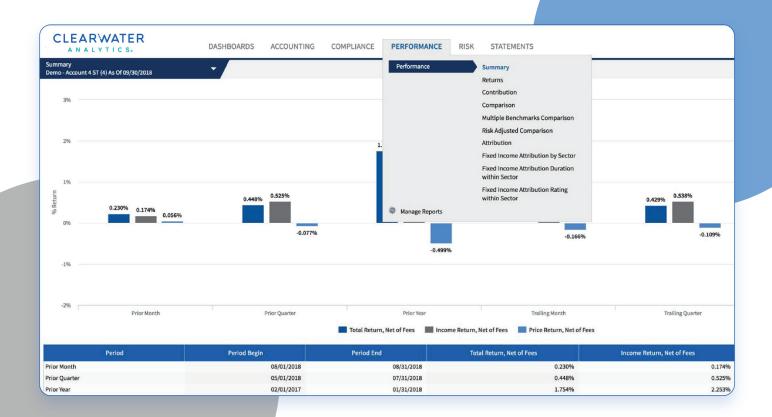
Performance

Clearwater's versatile performance reports offer users the most valuable, accurate, and relevant information for performance measurement. Additionally, these reports are integrated with the Clearwater accounting module, which provides daily reconciled data. This integration enables clients to have in-depth insight into the underlying factors contributing to a portfolio's market value.

- Analyse different return types: time-weighted returns, moneyweighted returns, book returns, price returns, and income returns
- Incorporate multiple time range selection, gross up/gross down tax methodology, and different fee types for comparative analysis



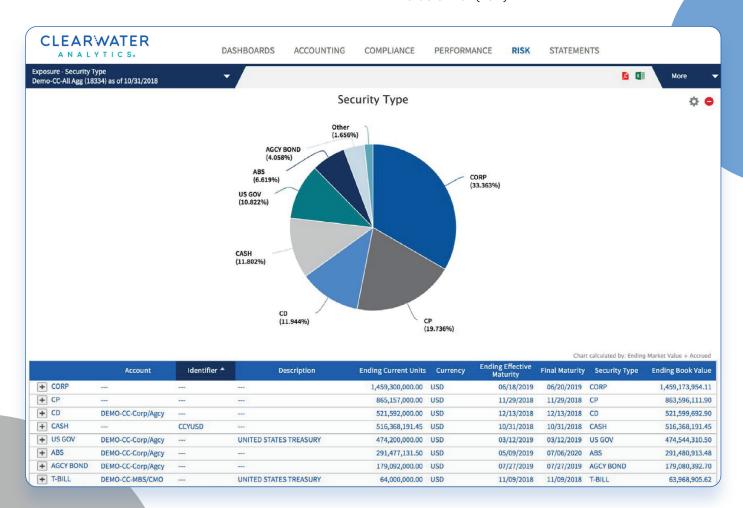
- Performance Summary
- Performance Returns
- Performance Details
- Performance Comparison
- Benchmark Comparison
- Risk-Adjusted Comparison
- Contribution
- Equity Attribution
- Fixed Income Attribution



Risk

Clearwater provides insightful risk analytics ondemand to ensure investment teams have access to their clients' portfolio exposures. Utilise timely and actionable data to analyse by issuer, currency, country, duration, credit rating, and more. Risk summary reports have drill-down capabilities to display the underlying data at the tax lot level. With Clearwater, you'll have access to data for better portfolio analysis, including:

- Multiple and blended benchmark comparisons
- Credit rating monitoring and downgrade notifications
- Cash flow forecasting
- Value at risk (VaR)



- Issuer Exposure
- Security Type Exposure
- Currency Exposure
- Country Exposure
- Duration Exposure
- Industry Sector Exposure
- Credit Rating Exposure

- Index Comparison
- Credit Events
- Shock Analysis
- VaR
- Historical Trends
- Historical Exposure
- Cash Flow Forecast

CLEARWATER ANALYTICS.



Worldwide Offices

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Clearwater Analytics is a global SaaS solution for automated investment data aggregation, reconciliation, accounting, and reporting. Clearwater helps thousands of organisations make the most of investment portfolio data with cloud-native software and client-centric servicing. Every day, investment professionals worldwide trust Clearwater to deliver timely, validated investment data and in-depth reporting.©2021 Clearwater Analytics. All rights reserved. This material is for information purposes only. Clearwater makes no warranties, express or implied, in this summary. All technologies described herein are registered trademarks of their respective owners in the United States and/or other countries.

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