



Cascade Suite™

Deloitte's Alternative Investment and Financial Technology specialists can help clients increase transparency and controls for investors and regulators while reducing operational expenses and enhancing returns. Leveraging our experience and access to a global network in the alternative investment industry, Deloitte's Financial Technology team has developed Cascade Suite. This powerful and flexible solution provides a scalable and efficient solution for your alternative investment infrastructure. Cascade Suite is a transparent calculation engine that can be used to automate waterfall calculation processing, perform scenario forecasting to evaluate the impact of hypothetical investment outcomes, and generate the accounting entries required for your financial statements. This solution is backed by the global Deloitte Touche Tohmatsu Limited network of member firms and Deloitte, both recognized as experienced leading service providers to the alternative investment industry.

Complete waterfall distribution and fee calculation solution

- Cash, hypothetical liquidation, tax, and future scenario waterfalls
 - IRR and NAV calculations
 - Capital account maintenance
 - Waterfalls can be configured at the fund, investor, investor/investment, and/or investor/tax lot level
 - Management and performance fee calculation and allocations
 - Single/multiple hurdle rates or preferred return calculations
 - Loss and loss carry-forward allocations
- Side pocket allocations
 - GP carried interest, clawback, and incentive plan calculations and allocations

Maximum flexibility

- Cascade Suite provides a customizable data architecture that is easily adjusted to accommodate an unlimited number of interfaces and transactions
- Intuitive flowchart-based waterfall definition tool that empowers non-technical business users to design and maintain waterfall and accounting calculations
- Fund forecasting projects future performance based on hypothetical investment sales, rate curves, and other user-defined inputs

Increase scalability and operational efficiency

- The Cascade Suite relational database architecture provides scalability, allowing your assets under management and administrative capabilities to grow without an incremental increase in resource requirements
- With Cascade Suite's copy functionality, creating a new fund is as easy as copying an existing fund structure
- The system's business logic library allows calculations to be accessed across the entire fund platform
- Workflow automation allows processing to run unattended
- Cascade Suite's relational database provides a centralized data repository that can hold data across multiple funds

Mitigate risk

- Cascade Suite automates the data exchange between upstream systems, such as accounting systems, and downstream systems, such as the general ledger. Standard and customized data validations are performed on both inbound and outbound interfaces
- A "four-eyes" approval process is designed such that changes to any business rule or report are reviewed and approved
- Robust audit controls permanently log the results of all calculations, configuration changes, and user access updates with both user and timestamp information
- Role-based security allows customized application access rights for users across the organization

Enhance business intelligence

- Through a combination of a single data repository and robust reporting tools, Cascade Suite provides advanced reporting and data analytics
- Our flexible reporting tools accommodate various business intelligence needs from in-depth analysis of a single fund to top-level surveillance of the entire platform
- The proprietary query tool provides powerful data analytics and data export capabilities as well as ad-hoc query capabilities
- "Audit View" functionality provides a transparent method of tracking and reporting waterfall calculations at the partner and investment levels

Advanced technology platform

- Service Oriented Architecture (SOA) based on .NET platform
- An advanced user interface based on user-defined metadata, utilizing our proprietary application framework
- A single relational database, using SQL Server
- Robust security features, including native support for various user authentication schemes, such as Active Directory, Windows Integrated, and Basic/Digest
- Support for load-balanced and failover-standby server configurations for quick disaster recovery
- Integrated, configurable archiving of historic data to support large data volumes

For more information about Cascade Suite and Deloitte's other Financial Technology products and services, please visit www.deloitte.com/us/financial-technology or contact:

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