

The background of the entire page is a photograph of a large, modern bridge at dusk. The bridge features a prominent, tall, dark arch on the left side, supported by a network of cables. Below this, a long bridge deck spans across the frame, supported by a series of smaller, repeating arches. The bridge is illuminated with warm, golden light, and the sky above is a mix of orange and blue. The foreground shows a field of dry, brown grass.

FIS ERP CONNECTOR

An API Integration Solution

OVERVIEW

FIS® ERP Connector is an API integration solution connecting FIS' treasury management and payment hub solutions with ERPs. It offers modern ERP-native technologies that provide standardized, controlled and intelligent integration between these solutions and the ERP landscape.

The connector is rapid-to-deploy and was built-for-purpose by a team of business and technology experts who have deep knowledge of same. What value does it bring?

The connector is offered as a service - you simply subscribe to the connector, choose the module you need to configure and automate integration between your ERP system and your FIS treasury management and payment hub solution.

The technology is delivered in partnership with Uniun, who also have a team of ERP consultants with expert domain knowledge.

CHALLENGES

- Expensive customized interface design and build
- Intensive in-house effort and expertise required to deliver advanced requirements
- Ongoing burden of internal IT support and maintenance
- Additional complexity in multi-ERP, multi-version environment

BENEFITS

- Simplified integration with managed Integration-as-a-Service
- Low-touch entry to value-additive technologies, including APIs and machine learning
- Rapid deployment with minimal IT effort
- End-to-end security built in with the platform
- Fully documented, monitored and supported



SOLUTION FEATURES

Integrate

A solution for treasury and cash manager

FIS ERP Connector brings treasury and finance teams closer together to make optimal shared use of the financial data available within the enterprise. By connecting operational activity with treasury data through a dedicated solution, treasury and finance teams are empowered with a common tool to evolve their collaborative capabilities.

Visualize

Smart behavioral insights

Following extensive data science led research and development, carefully designed charting components and visual elements within the solution allow users to identify patterns, developments and areas of interest in complex data sets. Empowered with the tools to make sense of financial data at scale, treasury users can make better-informed, data-driven decisions and unlock the value of data within their ERP.

Engage

Real-time notifications

Facing intra-day or period end time pressures, treasury and cash manager teams can't afford to wait on integration exceptions. FIS ERP Connector instantly relays exceptional events in financial data lifecycles to users through notifications, supplying users with specific and well-defined event details and intelligent suggestions for issue resolution.

Trust

Real-time response, not reconciliation

FIS ERP Connector users are enabled with instant status information relating to integration flow success, replacing legacy, error-prone file-based interfacing and its associated labor-intensive spreadsheet reconciliations. With full traceability available from source to target for all data elements, treasury users can discover and interrogate the full detail behind their operational activities across systems for the first time.

Control

Secure, seamless end-to-end connectivity

As a fully cloud-based offering, FIS ERP Connector uses trusted ERP-native technologies to integrate treasury systems with on-premise and cloud-based ERPs. Data exchange uses API connectivity and a proprietary integration engine to deliver rapid data transfer and response over secure connections. FIS ERP Connector supports the ERP landscapes of today, and the organizational visions for ERP transformation.



JOURNAL MODULE

Leverage the Journal module

FIS ERP Connector's Journal module offers an intelligent ability to connect the treasury subledger to one or many ERP general ledgers (GL). The Journal module is designed to perform at scale and provide an intuitive user workflow to manage the posting process.

For successfully posted journals, users can view and drill-through to details of the ERP journal document. For unsuccessfully posted journals, users are instantly made aware of the origin and cause of any posting issue and provided with a comprehensive knowledge base and structured workflow for timely resolution.

The result is a closely integrated treasury subledger and ERP general ledger, with end-to-end data traceability, enabling full ledger reconciliation.

FIS ERP Connector's Journal module is designed to accelerate processing and reduce risk in the financial close process for treasury accountants.

CHALLENGES

- Outdated file-based GL interface technology
- Recurring errors in GL interfacing
- Time-consuming spreadsheet reconciliations
- Black-box integration mapping logic
- Audit questions over GL interface

BENEFITS

- Full GL posting status visibility in treasury subledger
- Real-time notification of interfacing errors
- User-friendly library of error outcomes with suggested remediation steps
- User-defined field mapping logic
- Configurable routing to one or many ERPs



 **Secure, real-time integration****Routing to multiple ERPs**

ERP landscapes vary considerably between organizations. The Journal module's ERP routing rules enable postings from the subledger to be processed to one or many ERP instances to suit each customer's accounting requirements.

Real-time posting

Cloud-native integration replaces legacy, error-prone file-based integration. Journals exported from the subledger are posted directly into ERP GLs using APIs ensuring rapid, secure posting.

Real-time feedback to the subledger

The Journal module offers end-to-end response handling between subledger and the ERP GL. Instant positive feedback in the subledger empowers users with real-time visibility of the ERP posting status of each individual journal document. This removes the need for cumbersome spreadsheet reconciliation and enables a more integrated subledger to general ledger comparison.

 **Posting workflow and reporting****Real-time status reporting**

Timely execution of financial close tasks is dependent on accurate, reliable operational reporting. The Journal module offers a real-time journal status report, offering easy access via logical pre-defined views, flexible filtering and drill-down to full journal details and integration process metadata.

Journal workflow actions

Journals from the subledger that fail to post to the ERP GL still need to be accounted for. Journal monitor is a central control point for the journal posting workflow, allowing users to review, re-process and quarantine journals.

 **Data transparency****User-defined data mapping**

Legacy 'black box' posting integration logic can be difficult for users to understand, maintain and trust. The Journal module has integrated field mapping and a data translation layer, enabling users to define structured logic for journal processing.

Data translation logging

Implementation, testing and internal audit processes require visibility into data operations. All of FIS ERP Connector's Journal module data translations are recorded in detailed technical logs, for full data lineage from subledger to general ledger.



FORECAST MODULE

Leverage the Forecast module

FIS® ERP Connector's Forecast module helps treasurers improve cash forecasting. The module provides functionality to extract data (i.e., accounts receivable) from the ERP for forecasting purposes and integrates with FIS' treasury management solutions. FIS ERP Connector uses ERP data to generate a cash flow forecast using advanced AI and other statistical models, helping customers maximize the value of their ERP data within their treasury operations.

By making targeted, intelligent use of advanced statistical and machine learning techniques to drive forecast accuracy, the module serves as a low-touch entry point for delivering the benefits of data science to your existing treasury technology landscape. Combined with controlled API integration, the Forecast module allows treasury teams to increase automation and establish trust within the generation of the cash forecast. By engaging users and simplifying complex ERP data with visualizations, treasurers can now unlock the value of data within their ERP.

CHALLENGES

- Resource-intensive and inconsistent collection of cash forecast data
- Poor forecast accuracy resulting from simplistic business assumptions
- Limited or no traceability from cash forecast to underlying drivers
- Limited use of valuable ERP data and finance team knowledge
- Error-prone integration risks forecast reliability

BENEFITS

- Increased forecast transparency and trust with ERP data drill-through
- Increased forecast accuracy and automation using machine learning
- Understanding of material forecast drivers from intuitive visualizations
- Engaged and enabled key knowledge owners to optimize forecast accuracy

 **Core Integration****Data-driven cash forecast generation**

FIS ERP Connector's Forecast module connects your ERP landscape to your treasury system to build and maintain an accurate cash flow forecast from the current picture of customer and vendor data in your ERP systems.

Real-time cash forecasting

The Forecast module offers real-time integration to enable a live view of critical operational liquidity integrated directly within the treasury cash position. Updates to ERP data are instantly reflected in cash forecast reporting in the FIS treasury management solution, empowering treasury users with current, relevant cash position detail. The solution can also sync updates from ERP systems on-demand or on a configurable scheduled basis as required.

Data transparency at scale

The Forecast module handles the extremes of ERP data volumes and translates it into an efficient, actionable cash flow position. Full traceability is available from each cash flow through to the originating invoice and wider ERP data, enabling treasury users to discover and interrogate the full detail behind their operational cash forecast for the first time.

Overdue item management

In addition to an automated handler and roll-forward for overdue invoices, the Forecast module can also present overdue items to relevant users based upon materiality to the latest cash forecast. This facilitates the collection of valuable information from wider teams with minimal effort.

Active user forecast enhancement

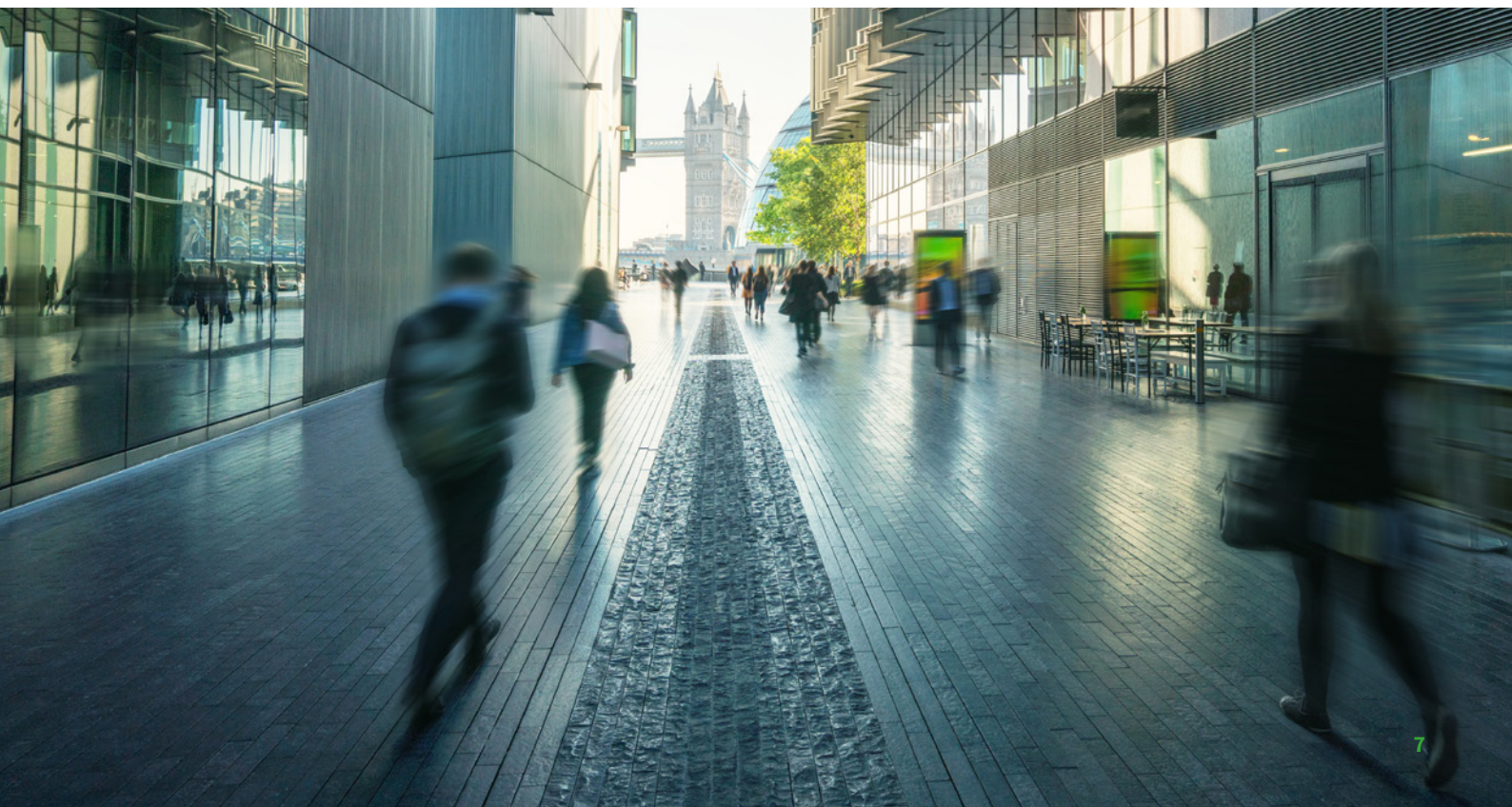
In addition to intelligent automated cash forecasting, the Forecast module offers thoughtfully designed tools to manage the fine detail of the forecast. It is designed for treasury users, highlighting the most material invoices and drawing focus to key counterparties for rapid identification and enhancement of the data that matters the most.

Value date determination

Rules-based setup allows for invoice value dates to be adjusted based on weekend and non-business day calendar setup. Additionally, settlement method rules can be defined to adjust value dates on invoices where bank time to value differs from invoice clearing date to accommodate different domestic and international clearing systems or payment types.

Bank account determination

Historical settlement behavior is used to predict how open invoice items will likely be settled, allowing determination of bank accounts to drive cash pool and account level forecasting.



Smart Integration

Intelligent cash impact

FIS ERP Connector's Forecast module uses advanced statistical and machine learning techniques to translate observed behavior into a cash flow forecast while maintaining full transparency into those calculations.

Smart behavioral insights

FIS ERP Connector's Forecast module empowers treasury users with intuitive insights of key business customer and supplier relationships. These insights surface underlying behavioral patterns to the user, explaining how the forecast has been generated from the data.

Visualizations for deeper understanding

Clear and compelling visualizations are presented to engage users with and make sense of operational data and its impact on the cash forecast. Following extensive data, science-led research and development, the solution uses charts and visual elements to highlight patterns, areas of interest and developments in the forecast data.

FIS ERP Connector's Forecast module empowers treasury by integrating seamlessly with the ERP landscape to deliver enhanced accuracy, timeliness and trust in your cash forecast.

Workflow

Smart cash grid

FIS ERP Connector's Forecast module offers a rich cash grid user interface as the central console for detailed forecast interaction by users. Both treasury and local finance controllers can use the smart cash grid to create model-based forecasts, designed for automatic generation of long-term cash plans from historic actual data sets.

Manual forecast capture

In combination with model-based planning, where automated data feeds are not available and to allow for more ad-hoc driven forecast category input, FIS ERP Connector's Forecast module allows user to create manual forecasts directly within the UI or via spreadsheet upload.

Model-based planning

Using a library of in-built statistical and machine learning models that have been fine-tuned for specific forecasting categories, FIS ERP Connector's Forecast module can be used to automate forecast generation at scale, while also allowing users to build, interact and refine directly from the smart cash grid.

Submission process

Adding a snapshot framework around forecast generation and collection processes allows treasury teams to build a centralized submission workflow to manage inputs from wider finance stakeholders. This allows fixed point-in-time consolidated reporting for longer-term strategic cash planning and decision making to service requirements for executive stakeholders.

Notifications feed

To drive wider finance team participation and engagement, configurable role-based notifications are published from system-wide forecasting activities performed by users. A live feed allows managers and central treasury to maintain full visibility of team forecasting activities in real time and embedded conversational threads aim to eliminate email usage from the forecast process.



PAYMENT MODULE

Leverage the Payment module

FIS ERP Connector's Payment module securely connects your FIS payment hub to one or many ERP AP subledgers to facilitate invoice settlement. The module is designed to provide an intuitive workflow for both ERP users and payment hub users.

For payments that are executed successfully, status updates are sent back to the ERP to complete the settlement process. When payments are rejected by the payment hub or by the bank, status reports provide AP analysts with reasons for failure. Based on the reason, they are able to make adjustments to the vendor/payee banking instructions and resubmit the invoice(s) for payment.

The result is a fully integrated ERP payment solution leveraging payment processing feedback and bank connectivity established within your payment hub solution for routing outbound ERP AP payments.

FIS ERP Connector's Payment module establishes your treasury or payment system as a unified payment gateway for your ERP AP payments with an intuitive and fully automated workflow.

CHALLENGES

- Outdated file-based payment interface technology
- Limited visibility of payment status in ERP
- Maintenance of hard-coded payment format logic
- Limited internal support for critical interface
- Poor security with payment files on network

BENEFITS

- Intuitive workflow for all users
- Automate ERP processes based on payment processing feedback
- User-defined field mapping logic
- Real-time notification of interface errors
- Secure routing from one or many ERPs



Secure, real-time integration

Advanced connectivity

Cloud-native integration replaces legacy, error-prone file-based integration. Payment runs generated in the ERP's AP subledger send payments directly into the payment hub using secure APIs, ensuring rapid, secure connectivity.

Real-time feedback to AP subledger

The Payment module offers end-to-end response handling of payment validation as well as statuses sent directly from the banking network all the way back into the ERP. This facilitates a robust workflow for handling fully and partially rejected payment runs.

Intuitive workflow and reporting

Customizable workflow

There is no one-size-fits-all process for managing payments within every company. FIS ERP Connector's Payment module offers flexibility around where to originate the operational steps and manage the master data in a defined workflow to meet the exact needs of your organization.

Interaction with forecast

Where FIS ERP Connector's Forecast module has been deployed, FIS ERP Connector's Payment module can interact with forecasted cash flows originating from AP invoices using the payment statuses retrieved from banks, adding more accuracy into the real-time liquidity picture.

Adapted to your needs

Routing from multiple ERPs

As part of the multi-ERP enabled platform, AP subledgers from multiple source systems including both on-premise and cloud-based ERPs can be aggregated through to a single treasury system payment gateway.

Flexible data mapping

FIS ERP Connector Payment module offers customizable data mapping to simplify the configuration and maintenance of the inherent variation in data requirements for domestic and international payment formats.

For more information about FIS ERP Connector, please contact getinfo@fisglobal.com

About FIS

FIS is a leading provider of technology solutions for financial institutions and businesses of all sizes and across any industry globally. We enable the movement of commerce by unlocking the financial technology that powers the world's economy. Our employees are dedicated to advancing the way the world pays, banks and invests through our trusted innovation, system performance and flexible architecture. We help our clients use technology in innovative ways to solve business-critical challenges and deliver superior experiences for their customers. Headquartered in Jacksonville, Florida, FIS is a member of the Fortune 500® and the Standard & Poor's 500® Index.

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