

# CGI Trade360 Application Programming Interfaces

Application programming interfaces (APIs) are a valuable and strategic business tool for trade finance companies. APIs give an organization access to data and functions and make them available for general use across the enterprise. They drive efficiencies and promote agility.

CGI now offers out-of-the-box APIs that simplify integration with the CGI Trade360 platform. Nearly 50 pre-defined and well-documented XML messages facilitate incoming and outgoing integration. These messages are delivered through an asynchronous messaging architecture built upon the IBM WebSphere MQ platform and provide near real-time and guaranteed delivery to a bank's upstream and downstream systems.

CGI Trade360 APIs follows a common structure and format, delivering robust data sets that eliminate the need for intimate knowledge of the database. Their structure and format simplify processing for a bank's message hub through which messages are transformed and routed to the appropriate bank systems.

CGI provides APIs in the following categories:

## Standard Interface Messages

### Accounting

- Accounting [O]
- AFS Customer Update [O]
- FX Rates Upload [I]
- Interest Discount Rate [I]
- Unit Cost [O]

### Limits / Balance Processing

- Limits Update [O]
- Real-Time Limits Check [O]
- Real-Time Limits Response [I]
- Balance Check Request [O]
- Balance Check Response [I]

### MIS

- Balance MIS [O]
- Bulk MIS [O]
- Custom Report Extract [O]

### Compliance

- Compliance Request
- Compliance Response

### Conversion/Synchronization

- Instrument Conversion [I]
- Customer Update [I]
- Portal Generic Data [I]

### Portal Integration

- Universal Message
- Instrument Status
- Mail
- Reference Data Update
- FX Rates

### Integration Architecture

- Message Confirmation [O] [I]
- End of Day [O]
- Print-Fax [O]

### Cash Management

- Direct Debit [O]
- Balance Request-Response [O] [I]
- Recent Transactions Req-Resp [O] [I]
- End of Day Transaction Bank Stmt. [I]
- Payment File Upload [I]
- FX Rate Quote Req.-Resp. [O] [I]

### EDI

- 814: FI Issuance Response [O]
- 814: Invoice Submission Conf. [O]
- 820: Payment Order/Remit Advice [O]
- 820: Funding/Maturity Notice [O]

### Telecom

- SWIFT IN [I]
- SWIFT Out [O]
- SWIFT BIC Upload [I]
- FedWire Out [O]
- FedWire In [I]
- Telex Out [O]

### Open Account

- Purchase Order [I]
- Invoice [I]
- PO Utilization [O]
- A/R Payment Remittance [I]



## KEY BENEFITS

- Asynchronous messaging architecture provides loose coupling between Trade360 and client banks
- Standard XML interfaces available “out of the box” for common back-office applications
- Real-time message delivery to support next generation back-office systems
- Guaranteed “only-once” delivery with confirmations
- Constant monitoring of queue depths and connectivity to quickly identify problems
- Specs and schemas for all messages to speed implementation

## FRONT- AND BACK-OFFICE INTEGRATION

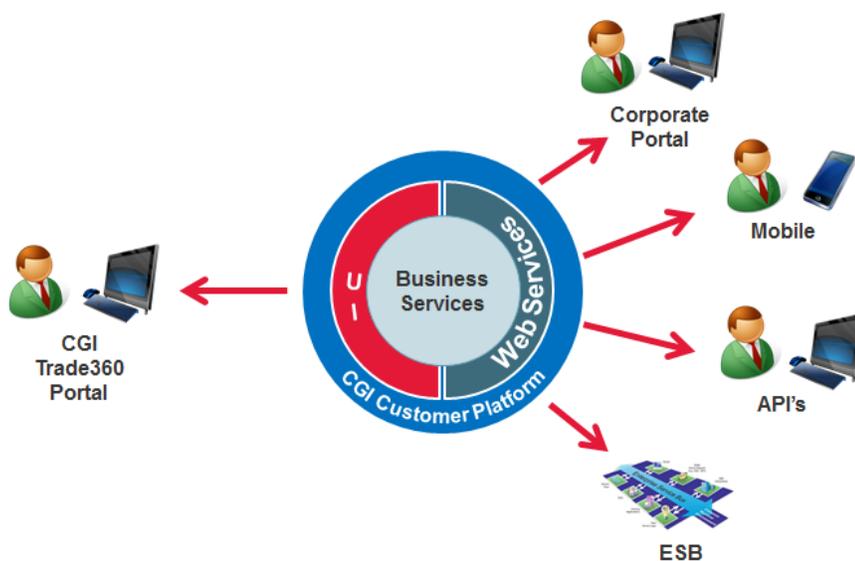
The CGI Trade360 Portal and its back-office Transaction Processing System (TPS) are fully integrated “out of the box” using the above-mentioned portal integration APIs. This loose technical coupling through APIs also supports easy integration of other portals to TPS, as well as the integration of CGI Trade360 Portal to other back-office systems.

## OMNI-CHANNEL SUPPORT

CGI Trade360 APIs support omni-channel delivery. They bring the power of CGI Trade360 portal services to your corporate portal, mobile applications and API platforms.

Banks are currently using CGI Trade360 APIs to integrate trade service functionality with their mobile platforms and corporate wide portals. For client-facing portals, our APIs are providing RESTful Web Services.

In addition, CGI Trade360 APIs can enable banks to embed portal capabilities into other products and services.



CGI Trade360's extensive use of APIs simplifies integration and significantly reduces implementation risks. The APIs are a key factor behind CGI's 100% implementation success record.

## ABOUT CGI

Founded in 1976, CGI is the world's fifth largest independent information technology and business process services firm, operating in hundreds of locations across the Americas, Europe and Asia Pacific.

Our comprehensive portfolio of services includes business and IT consulting, systems integration, application development and maintenance, and infrastructure management, as well as more than 100 IP-based solutions. CGI defines success by exceeding expectations and helping clients achieve superior performance.

For more information about CGI, visit [cgi.com/trade](http://cgi.com/trade), or email us at [info@cgi.com](mailto:info@cgi.com).