



CargoSmart Integration Solutions

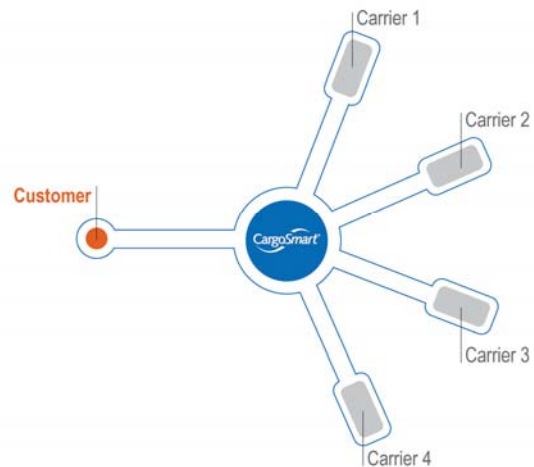
CargoSmart provides direct integration solutions to companies of all sizes, industry segments, and technological capabilities to help them streamline and automate their business processes. Customers use CargoSmart as their integration gateway, in order to exchange shipment information with multiple carriers through one connection.

Business Benefits

One single integration point for consolidated multiple-carrier information provides you with the following benefits:

- Centralize and standardize your visibility - access global shipment information across all carriers with one connection
- Lower your administrative costs - your technical team manages one connection instead of many
- Minimize manual processes - integration eliminates the need for double input, improving your operations
- Save effort with proven and efficient implementation process - standardized integrations can be implemented quickly
- Connect your supply chain network with packaged integrated solutions - pair direct integration with online and offline solutions to share information with your associates

One Connection to Multiple Carriers



Features Available with Integration

CargoSmart integration solution features allow you to plan, process, and monitor your multiple-carrier shipments through one connection. In addition to access to common industry-standard messages, CargoSmart can provide you with visibility to more shipment milestones and can cater to your internal coding and labeling requirements.

Messages	UN/EDIFACT	ANSI-X.12	XML
Sailing Schedule	IFTSAI	323	✓
Booking Request	IFTMBF	300	✓
Booking Confirmation	IFTMBC	301	✓
Booking Cancellation	N/A	303	N/A
Shipping Instructions	IFTMIN	304	✓
Manifest or B/L Information	IFTMCS	310	✓
Shipment Milestone Status / Cargo Tracking	IFTSTA	315	✓
Message Acknowledgement	APERAK	997	✓
Control Message	CONTRL	N/A	N/A

Message Formats and Transmission Protocols

You can integrate your internal systems with CargoSmart using EDI, XML, or other file formats. Whether you want to connect using industry standard messages or your own specialized message requirements, CargoSmart supports multiple message formats and transmission protocols.



CargoSmart Integration Solutions (Continued)

Message Formats:	Transmission Protocols:
<p><u>EDI</u> – Widely adopted market standard (UN/EDIFACT and X12) for system-to-system integration for booking, shipping instructions, shipment status, and B/L details</p> <p><u>XML</u> – Provides flexible method to organize, integrate, and transmit your multiple carrier shipment data</p> <p><u>Other File Formats</u> – Used to exchange shipping information between systems with different data element structures. Ideal for customers without a formal EDI/XML system. Other file formats include flat file, PDF, and comma-delimited files.</p>	<p>The following transmission protocols can be used to transport electronic document formats.</p> <p><u>Secure FTP (SFTP)</u> – Combined with SSH (Secure Shell) protocol, SFTP lets you transfer and manipulate data over the Internet.</p> <p><u>FTPS</u> – FTPS employs the use of a specific security layer below a standard File Transfer Protocol (FTP) to provide secure communications over the Internet.</p> <p><u>AS2</u> – A protocol used to securely transport data over the Internet. Security is achieved with digital certificates and encryption.</p> <p><u>SMTP</u> – Text-based protocol that allows e-mail transmission over the Internet.</p>

Monitoring and Reporting Tools

CargoSmart fully supports industry standard and customized transaction acknowledgements and error notifications. We also work closely with your carriers to ensure your data format requirements are met. Our system automatically monitors message integrity and can issue reports and e-mail notifications to the appropriate parties if the message fails established criteria.

Client, Integration, and Technical Support Services

With CargoSmart as your solutions provider to centralize and standardize all your multiple carrier shipment information, you leverage our team's years of technical and industry expertise and extensive project management experience. From the review of the initial requirements through final implementation, we will help ensure that you achieve your automation and visibility goals.

Client Services – Account Management
<ul style="list-style-type: none"> • Gathers customer requirements for integration solutions • Ensures all accounts are set up and connected according to requirements • Communicates with carriers to confirm they understand and can comply with all customer requirements • Monitors and manages projects to ensure they are aligned with customers' committed timelines and budget • Supports users during initial launch phase to ensure product expectations are met • Works with customers to manage new requirements and changes according to their ongoing business needs
Integration Services – Project Management
<ul style="list-style-type: none"> • Reviews, analyzes, and confirms customer integration requirements • Works closely with Client Services to implement customer integration projects • Coordinates with integration customers and carriers' technical contacts • Works with system teams to develop messages, map data, conduct testing, and resolve issues • Manages projects to ensure development, testing, and launch milestones meet the required deadlines
Technical Support – Maintenance and Support
<ul style="list-style-type: none"> • Provides customers with information resources and issue resolution • Closely monitors and investigates production issues • Provides 24/7 production support

To access your ocean carrier information through a single connection, please e-mail client.services@cargosmart.com.