CHAMP APIs bring carrier's new door-to-door services to life, super fast

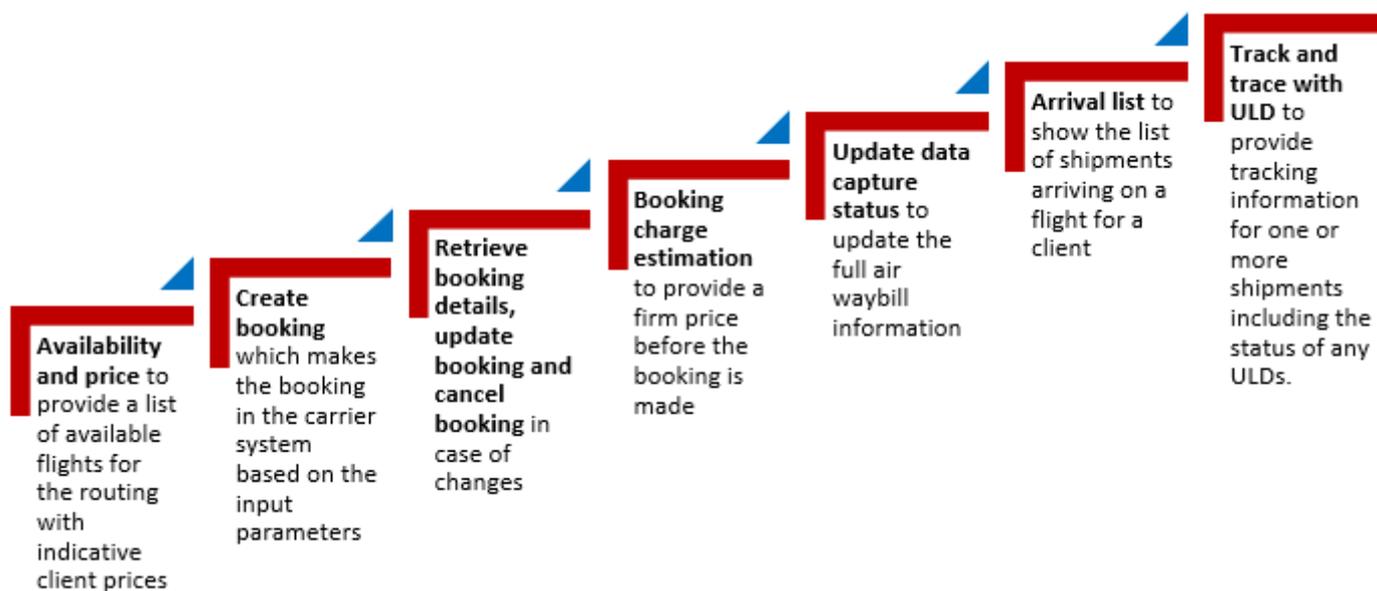*Christopher Shawdon, Head of Business Development*

CHAMP's powerful APIs provide access to the cargo management systems of over eighty hosted airlines, handlers, and cargo sales agents and to almost one hundred Traxon carriers. For CHAMP and partners who want to deliver innovation and new value, there is huge value in having one API that works across so many organizations.

The APIs are available through the air cargo industry's first multi-client API gateway; that too means one gateway connection and developer portal.

An example of how APIs are delivering new value and speed is shown by the desire of one carrier to extend into the door-door market. Their development took just 12 weeks as it was based on APIs.

also deliver products including frozen and refrigerated products on the same day at the fastest speed contributing to regional business revitalization.

The CHAMP APIs used to bring these services to life are shown below.

Availability and price to provide a list of available flights for the routing with indicative client prices

Create booking which makes the booking in the carrier system based on the input parameters

Retrieve booking details, update booking and cancel booking in case of changes

Booking charge estimation to provide a firm price before the booking is made

Update data capture status to update the full air waybill information

Arrival list to show the list of shipments arriving on a flight for a client

Track and trace with ULD to provide tracking information for one or more shipments including the status of any ULDs.

The new service, launched on 1 December 2020 by Japan Airlines and Lufthansa, connects 7 domestic airports with land routes throughout Japan. On 1 March 2021, Japan Airlines announced a second partner, CBcloud, which connects 14 Japanese airports with land routes. These services offer a marketplace for shippers to compare ground-based delivery times and cost with those of ground plus air services. Shippers can then choose the most appropriate combination of speed and cost to meet their requirements. The carrier provides the airport-to-airport transportation and the ground transportation partner provides the delivery matching system with other value-added services.

Users start by obtaining a rough estimate online by choosing the mode of transportation and can then confirm the delivery details for a single price covering the door-to-door delivery. Through this combined door-to-door delivery service, the two companies not only avoid duplication in shipping arrangements, but

These are just part of the wide range of APIs available to clients and partners. Many shippers use an API to keep updated on the progress of their shipments across almost 100 carriers. Ground handlers use the Weight Scale API to capture ULD weights from a weight scale directly into Cargospot. Forwarders use the Availability and Price API to see a list of eligible flights for a routing and the prices for each. The Booking API is widely used to power carrier websites, third party multi-carrier booking portals and other market-leading services.

This article illustrates one of the many use cases that has been brought to life by CHAMP APIs recently. Used by CHAMP, clients and their partners, APIs enable collaboration and help promote innovation, foster interoperability, and bring new use cases to life. All of this with incredible speed and high levels of satisfaction for all the partners in the supply chain.