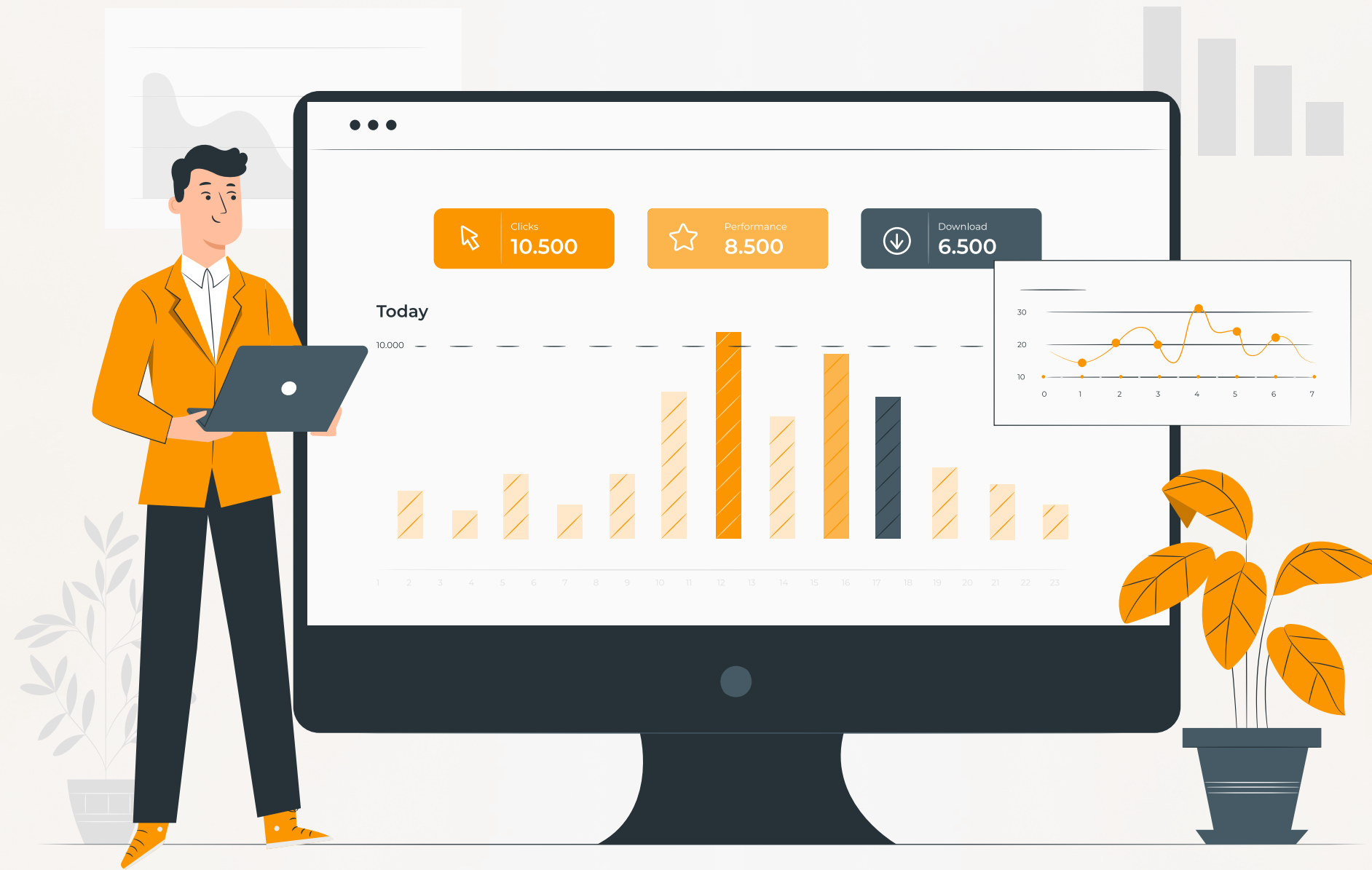# Delphin Technologies

Industry Experts in Website and App development, API Development and Integrations, Blockchain Development, AR / VR Development, AI Development, Marketing, UI/UX Design and more..

## Amazon's Carrier Side API Integration

# Overview

This project includes the APIs built for Amazon on the carrier's side. These API's are built on Amazon's standard for them to consume for placing orders.
The orders include the packages that are to be shipped by Amazon to different countries.
Amazon uses the APIs to place the order and carrier then ships it from and to the destination

# APIS

## Estimate
This API is used by Amazon to estimate the cost of shipping with every type of charge that the carrier applies. It is calculated based on weight and dimensions of the package(s)

## Confirm
This API is used by Amazon to confirm the order once they are ok with the estimations. Here the price, weight, dimensions, cost and addresses are confirmed

## File transfer
This API is used by Amazon to send any type of document that is required with the packages. The document is sent as base64

## Pickup
This API is used by Amazon to initiate the pickup from the source country. It contains the number of packages and weight of each that are to be picked. Amazon sends a window in which the order needs to be picked up and the carrier confirms and sends a window between that, when the carrier can pick up the packages
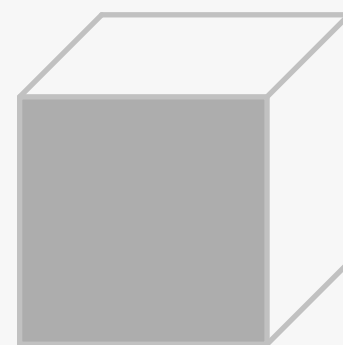
## Void
This API is used by Amazon to cancel the order in case they need to. The condition for the void can be applied by the carrier

# Invoice



The most important part of the project was to create the invoice electronically that can be read by machines. So an EDIFACT document was needed to be created.

Every time the order gets confirmed an invoice is created as an EDIFACT document that contains the billing information, the shipping information, all of charges and taxes with carrier code and id

# An example of part of an EDIFACT document

```
`UNB+UNOA:1+${edifactParams.senderID}:14+${edifactParams.recipientID}:${edifactParams.recipientQualifier}+
${edifactParams.interchangeControlReference}'

UNH+1+INVOIC:D:96A:UN:EAN008'

BGM+71+${edifactParams.invoiceNumber}+9'

DTM+3:${edifactParams.invoiceDate}:102'

DTM+137:${edifactParams.invoiceDate}:102'

RFF+IT:${edifactParams.invoiceType}'

RFF+APG:${edifactParams.additionalInformation}'

NAD+CA+${edifactParams.carrierName}+${edifactParams.carrierAddress}++${edifactParams.carrierPostalCode}+
${edifactParams.carrierCountry}'

RFF+VA:${edifactParams.vatRegistrationNumber}'
```
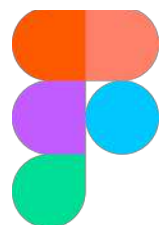
# Amendment API



This API is used by the Carrier to recalculate and re-estimate the charges according to the weight and dimensions calculated by the Carrier and if there are discrepancies in the same in comparison with the received one. This API recalculates all the values again and generate an invoice EDIFACT document for Amazon

# Tech Stack We Use

**Figma**

**Canva**

**Notion**

**Adobe Illustrator**

**Adobe XD**

**Photoshop**

Designs

**Zoom**

**Google Meet**

**Skype**

**Telegram**

**WhatsApp**

Client Communication

**HTML**

**CSS**
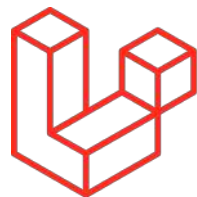
**Laravel**

**Shopify**

**CodeIgniter**

**Wordpress**
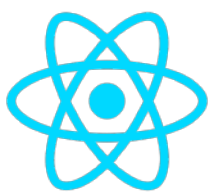
**React**

**Magento**

**Flutter**

**PHP**

**Woocommerce**

Development

# DELPHIN
## –Technologies–

# amazon

# LET'S GET IN TOUCH

✉ info@delphintechnologies.com

🌐 www.delphintechnologies.com

**Noida**

Grovy Optiva, A-5, Block-A, Sector-68, Noida 201309, Uttar Pradesh India

**Hong Kong**

Unit 1603, 16th Floor, The L. Plaza, 367 - 375 Queen's Road Central, Sheung Wan, Hong Kong

**USA**

712 H St NESte 1735, Washington, DC, 20002