



UPS Capital®

Technical
Implementation
Reference Guide

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Overview

1.1 APIs

The acronym "API" stands for "Application Programming Interface".

APIs in their simplest form allow the transmission of data. APIs are an industry standard interface designed for external/internal software programs to accomplish specific tasks, usually for retrieving or modifying data in applications. In more advanced approaches, APIs are deployed to deliver streaming video, audio, and telephony services via smartphones, televisions, or internet-enabled kiosks.

The most popular approach to APIs is the open-data movement. Using APIs, data owners can easily expose information from data silos, allowing public or private access to large and small datasets.

UPS Capital APIs provide methods to interact/perform operations on their client transactional data within the UPS Capital network.

Programmers use the APIs to make interactive applications, websites and other projects. These programs will talk to the UPS Capital IT systems over industry standard network protocols. APIs are built using existing web technology, specifically the HTTP/HTTPS protocol that the World Wide Web employs to deliver content around the globe.

We conform to the design principles of Representational State Transfer (REST). Typically, we use a RESTful design for our APIs. The concept of REST is to separate the API structure into logical resources.

We use the HTTP methods GET, DELETE, POST and PUT to operate with the resources.

- Methods to retrieve data from the API require a GET request.
- Methods that create data require a POST request.
- Methods that update data require a PUT request.
- Methods that delete data require a DELETE request.

The API presently supports the JSON format only.

APIs require a particular HTTP method to return an error response if the request is not made with the correct payload (aka input).



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1.2 Getting Started

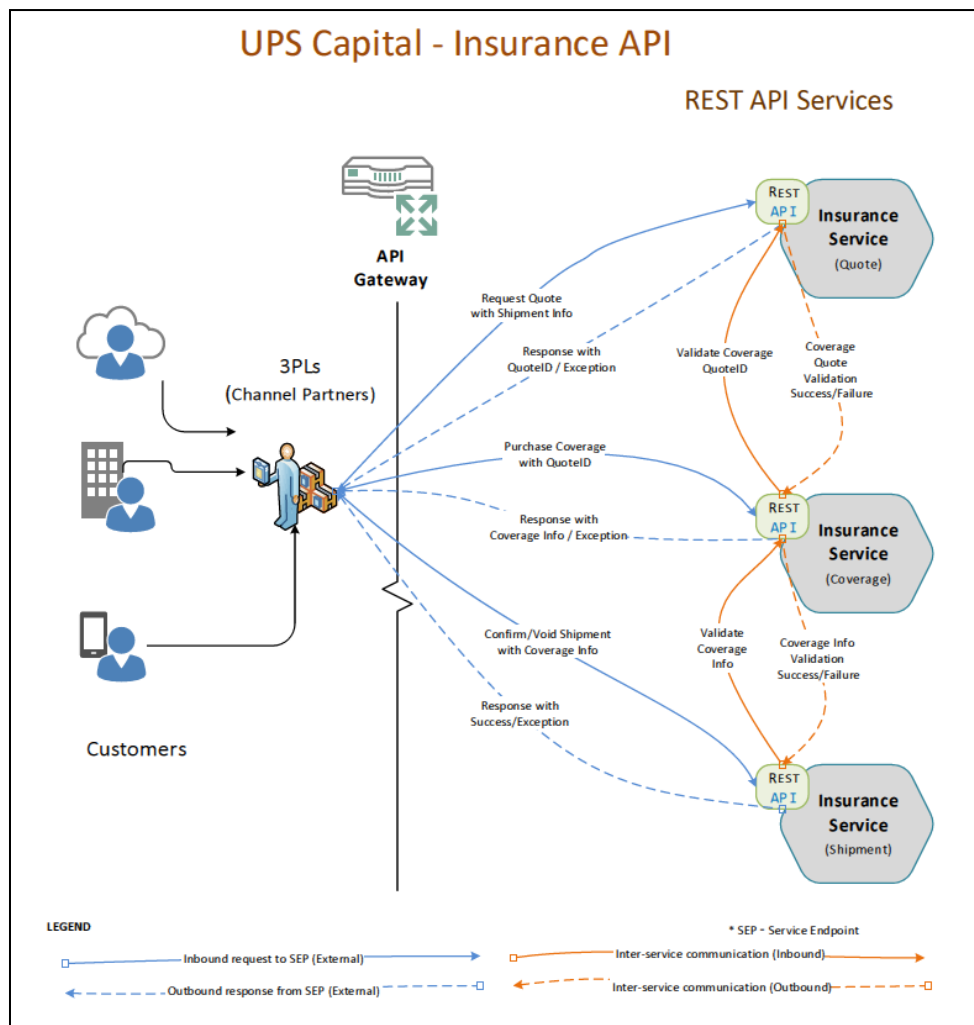
The first step is to ensure all the contractual agreements between UPS Capital (UPSC) and the new Channel Partner (CP) are completed. Once the agreements are finalized, the UPS Capital Customer Engagement team with the help of UPSC IT team will setup a UAT Environment for the new Channel Partner with sample rates to enable the API interactions. The CP IT team will reach out to the UPSC Customer Engagement team for user credentials and other information for enabling secure REST API- based interactions with UPS Capital IT systems.

1.3 Security / Authentication

UPS Capital APIs use secure JWT tokens for service authentication. Any calls to the REST API endpoint should be made bearer tokens in the request headers in addition to using the secured JWT tokens provided by the UPS Capital API Integration team.

During the customer onboarding process, the customer procures a unique Secure Token with certain customer credentials generated by the API Integration team for enabling communication between provider (UPS Capital) and Customer.

1.4 Insurance Service Workflow Overview



Insurance Service - APIs

2.1 Insurance Service - URLs

UPS Capital Insurance Coverage API

The API's purpose is to allow customers to get quotes and purchase insurance coverage for safe and timely package/cargo delivery. This API also helps to confirm or void insurance transactions for the respective shipment.

2.2 Create Quote

Customer's request for a new insurance quote by providing the necessary shipment information.

Post

<https://upscapi-rzd.ams1907.com/apis/list-extstg/v1/quotes/euro>

This method creates a quote in the system for insurance coverage.

Request

Request Parameters

body * (required)

Quote object needs to be sent to the API as a request payload...

Request Headers

Content Type : *application/json*

bearer: < secure token issued by API integration team >

X-IBM-Client-Id: <provided by UPSC team>

X-IBM-Client-Secret: <provided by UPSC team>

Model :

Quote

{	
productId	String Required Indicates Product Id value assigned by UPS Capital, by default it is 3.
locationId	String Required Indicates the Id Channel Partner assigns to their locations. Example: Some CP have multiple locations that are booking shipments so they want to identify which location is booking shipment/insurance. If CP do not



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transactionID	have multiple locations they can just pass the same value here, it is for the customer's benefit to identify transactions. String Required Indicates a unique identifier of the customer transaction from the Channel Partner IT System If possible, please keep it same as BOL - Bill of Lading number.														
partnerId	String Required Indicates Partner Id, assigned by UPS Capital to the Channel Partner ex: XXX001														
upscCustomerID	String Required Indicates Franchise Identifier assigned by UPS Capital ex: XXX														
customerType	String Required Indicates that the customer is in Europe. "EU" is the only value allowed														
quoteShipmentInfo	ShipmentInfo{ <table> <tr> <td data-bbox="760 972 873 993">currency</td><td data-bbox="1008 972 1438 1125"> String Required Values allowed are EUR, GBP or USD Default the currency to your local currency </td></tr> <tr> <td data-bbox="760 1136 889 1157">shipperId</td><td data-bbox="1008 1136 1453 1262"> String Required Indicates Customer shipper identifier. Value should be unique for each shipper account </td></tr> <tr> <td data-bbox="760 1272 915 1293">shipperName</td><td data-bbox="1008 1272 1453 1314"> String Indicates Customer shipper name </td></tr> <tr> <td data-bbox="760 1325 857 1346">carrier</td><td data-bbox="1008 1325 1466 1367"> String Indicates transportation carrier </td></tr> <tr> <td data-bbox="760 1377 873 1398">shipDate</td><td data-bbox="1008 1377 1453 1503"> string Required Indicates package shipment date Fmt: DD.MM.YYYY Eg: "05.10.2021" </td></tr> <tr> <td data-bbox="760 1514 802 1535">bol</td><td data-bbox="1008 1514 1453 1612"> String Required Indicates Bill of Lading number for the shipment </td></tr> <tr> <td data-bbox="760 1623 932 1644">insuredValue</td><td data-bbox="1008 1623 1466 1906"> number Required Indicates Insured Value of the shipment For EU customer: comma separator for cents is allowed For UK Customer: dot separator for cents is allowed Example: EU: 250,50 EUR UK: 250.50 GBP </td></tr> </table>	currency	String Required Values allowed are EUR, GBP or USD Default the currency to your local currency	shipperId	String Required Indicates Customer shipper identifier. Value should be unique for each shipper account	shipperName	String Indicates Customer shipper name	carrier	String Indicates transportation carrier	shipDate	string Required Indicates package shipment date Fmt: DD.MM.YYYY Eg: "05.10.2021"	bol	String Required Indicates Bill of Lading number for the shipment	insuredValue	number Required Indicates Insured Value of the shipment For EU customer: comma separator for cents is allowed For UK Customer: dot separator for cents is allowed Example: EU: 250,50 EUR UK: 250.50 GBP
currency	String Required Values allowed are EUR, GBP or USD Default the currency to your local currency														
shipperId	String Required Indicates Customer shipper identifier. Value should be unique for each shipper account														
shipperName	String Indicates Customer shipper name														
carrier	String Indicates transportation carrier														
shipDate	string Required Indicates package shipment date Fmt: DD.MM.YYYY Eg: "05.10.2021"														
bol	String Required Indicates Bill of Lading number for the shipment														
insuredValue	number Required Indicates Insured Value of the shipment For EU customer: comma separator for cents is allowed For UK Customer: dot separator for cents is allowed Example: EU: 250,50 EUR UK: 250.50 GBP														



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```

commodityCodeType String
                    Required
                    Indicates type of the Commodity
                    Code that is being shipped ex:
                    UPSC
commodityCode      String
                    Required
                    Indicates numeric commodity code
                    of item in the shipment
                    Group A - 500
                    Group B - 501
                    Group C - 502
oversize           Boolean
                    Required
                    Indicates if the shipment package
                    is over normal size limits. Y or
                    N
usedGoods          Boolean
                    Required
                    Indicates if the shipment content
                    is new or used goods N or U
modeOfTransport    String
                    Required
                    Indicates the Mode of
                    Transportation.
                    1 - Air
                    2 - Ground
                    3 - Ocean
consigneeName      String
                    Indicates the Name of Consignee
description        String
                    Indicates detailed information of
                    the shipment goods
shipmentType       Int
                    Required
                    Indicates the type of shipment
                    the quote is for
                    1- FTL/FCL
                    2- LTL/LCL
                    3- Small Package
                    4- Ground Freight Pricing
                    5- Ocean
                    6- Air
                    7- Mail or Parcel Post
}
destinationAddress address{
    address1      String    Required
    address2      String
    city          String    Required
    state         String
    postalCode    String    Required
    countryCode   String    Required
                    Values allowed are ISO - Two digit
                    code of the Country.
}

```




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Indicates the package destination address/location to where the insured package is shipped

originAddress

```
address{
  address1      String      Required
  address2      String
  city          String      Required
  state         String
  postalCode    String      Required
  countryCode   String      Required
                Values allowed are ISO - Two digit
                code of the Country
}
```

Indicates the package Origin address/location from where the insured package is shipped

payablesAttentionTo

```
String
Required
```

Indicates the shipper payable information, usually used for claims payment

payablesAddress

```
address{
  address1      String      Required
  address2      String
  city          String      Required
  state         String
  postalCode    String      Required
  countryCode   String      Required
                Values allowed are ISO - Two digit
                code of the Country
}
```

Indicates the shipper payables address information, usually used for claims payment

shipperPrincipal

```
String
Required
```

Indicates Shipper's full legal company name
Channel partner has to auto-populate "shipperPrincipal" field and make sure that shipper can't enter or edit this on their own.

shipperAddress

```
address{
  address1      String      Required
  address2      String
  city          String      Required
  state         String
  postalCode    String      Required
  countryCode   String      Required
                Values allowed are ISO - Two digit
                code of the Country
}
```

Indicates the shipper address/location. The tax is being calculated based on the Shipper Country code, so



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please use the country of the Channel Partner's shipper.

status

String

Indicates status of the Package that is being insured

ShipmentStatus

Enum:

[UNCONFIRMED, CONFIRMED, VOID]

For Create Quote request, "UNCONFIRMED" is the only value allowed.

}

Example:

```
{
  "productId": "3",
  "locationId": "12345678",
  "transactionID": "ABC123123123",
  "partnerId": "XXX001",
  "upscCustomerID": "XXX",
  "customerType": "EU",
  "quoteShipmentInfo": {
    "currency": "EUR",
    "shipperId": "E965842572",
    "shipperName": "Max Mustermann",
    "carrier": "DHL",
    "shipDate": "05.10.2021",
    "bol": "ABC123123123",
    "insuredValue": "600,50",
    "commodityCodeType": "UPSC",
    "commodityCode": "500",
    "oversize": "N",
    "usedGoods": "N",
    "modeOfTransport": "1",
    "consigneeName": "Tobias Müller",
    "description": "THIS IS TEST QUOTE. PLEASE DO NOT PROCESS",
    "shipmentType": "3"
  },
  "destinationAddress": {
    "address1": "Henrich Heine Alle 1",
    "address2": "",
    "city": "Düsseldorf",
    "state": "NRW",
    "postalCode": "40213",
    "countryCode": "DE"
  },
  "originAddress": {
```

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```

    "address1": " 44 Maiden Street ",
    "address2": "",
    "city": " Westfield ",
    "state": "MA",
    "postalCode": " 01085 ",
    "countryCode": "US"
  },
  "payablesAttentionTo": "Tobias Müller",
  "payablesAddress": {
    "address1": " Henrich Heine Alle 1",
    "address2": "",
    "city": "Düsseldorf",
    "state": "NRW",
    "postalCode": "40213",
    "countryCode": "DE"
  },
  "shipperPrincipal": "Tobias Müller",
  "shipperAddress": {
    "address1": " Henrich Heine Alle 1",
    "address2": "",
    "city": "Düsseldorf",
    "state": "NRW",
    "postalCode": "40213",
    "countryCode": "DE"
  },
  "status": "UNCONFIRMED"
}

```

Response

Response Headers	
content type : <i>application/json</i>	
Code	Description
200	Successful Operation <pre>QuoteReturn{ quoteId string payablesAttentionTo String premiumAmount number }</pre> Indicates the uniquely generated QuoteId by UPS Capital for the customer requested shipment information Same as Request Indicates the insurance premium value for the Shipment Value & commodity in the quote request



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quoteDateTime	string
	Indicates the date & time of the QuoteId generation by UPS Capital
quoteValidTo	string
	Indicates the date & time the QuoteId is Valid for customer to purchase shipment coverage
quoteInfo	QuoteInfo{ productId string locationId string transactionID string partnerId string shipperPrincipal string status string ShipmentStatus Enum: [UNCONFIRMED ,CONFIRMED] upscCustomerId string ShipmentInfo: { shipperId string shipperName string carrier string shipDate string bol string insuredValue number commodityCodeType string commodityCode string oversize boolean usedGoods boolean modeOfTransport string consigneeName string shipmentType Int currency string description string } originAddress: { address1 string address2 string city string state string postalCode string countryCode string } destinationAddress:{ address1 string address2 string city string state string postalCode string countryCode string } payablesAddress:{



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	<pre> address1 string address2 string city string state string postalCode string countryCode string } shipperAddress{ address1 string address2 string city string state string postalCode string countryCode string } } }</pre>
400	Invalid payload format <pre> ApiResponseFault{ code integer(\$int32) message string description string errors [errors{ code String field string message string }] }</pre> Indicates the internal error code of individual error element.
401	Invalid payload data <pre> ApiResponseFault{ code integer(\$int32) message String description String errors [errors{ code string field string message string }] }</pre>
404	Resource not found <pre> ApiResponseFault{ code integer(\$int32) message String description String }</pre>



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	errors	[errors{ code string field string message string }]
	}	

Example:

200 - Successful Operation

```
{
  "quoteId": "9f3ef92145be4045a638568f93450985",
  "payablesAttentionTo": "Tobias Müller",
  "premiumAmount": "24,02",
  "grossPremiumAmount": "24,02",
  "tax": "0,0",
  "quoteDateTime": "15.09.2021 08:33:28",
  "quoteValidTo": "15.10.2021 08:33:28",
  "quoteInfo": {
    "productId": "3",
    "locationId": "12345678",
    "transactionID": "ABC123123123",
    "partnerId": "XXX001",
    "shipperPrincipal": "Tobias Müller",
    "status": "UNCONFIRMED",
    "upscCustomerId": "XXX",
    "shipmentInfo": {
      "shipperId": "E965842572",
      "shipperName": "Max Mustermann",
      "carrier": "DHL",
      "shipDate": "05.10.2021",
      "bol": "ABC123123123",
      "insuredValue": "600,50",
      "commodityCodeType": "UPSC",
      "commodityCode": "500",
      "oversize": "N",
      "usedGoods": "N",
      "modeOfTransport": "1",
      "consigneeName": "Tobias Müller",
      "shipmentType": "3",
      "description": "THIS IS TEST QUOTE. PLEASE DO NOT PROCESS",
      "currency": "EUR"
    }
  },
  "originAddress": {
    "address1": "44 Maiden Street",
    "city": "Westfield",
    "state": "MA",
    "postalCode": "01085",
    "countryCode": "US"
  }
}
```



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```

    },
    "destinationAddress": {
      "address1": "Henrich Heine Alle 1",
      "city": "Düsseldorf",
      "state": "NRW",
      "postalCode": "40213",
      "countryCode": "DE"
    },
    "payablesAddress": {
      "address1": "Henrich Heine Alle 1",
      "city": "Düsseldorf",
      "state": "NRW",
      "postalCode": "40213",
      "countryCode": "DE"
    },
    "shipperAddress": {
      "address1": "Henrich Heine Alle 1",
      "city": "Düsseldorf",
      "state": "NRW",
      "postalCode": "40213",
      "countryCode": "DE"
    }
  }
}

```

400 - Invalid Payload format

```

{
  "errors": [
    {
      "errorCode": "400",
      "errorMessage": "Error.Product.Id.Invalid.or.Null"
    }
  ]
}

```

401 - Invalid Payload data

```

{
  "errors": [
    {
      "errorCode": "401",
      "errorMessage": "The Token issued is not valid."
    }
  ]
}

```

2.3 Purchase Coverage

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Customer's request for purchasing a previously requested insurance quote by providing the necessary shipment and quote information.

Post

<https://upscapi.ams1907.com/apis/list/coverage/v1>

This method places an order for purchasing a previously requested insurance quote.

Request

Request Parameters

body * (required)

InsurancePurchase object needs to be sent to the API as a request payload...

Request

Request Headers

Content Type : *application/json*

bearer: < secure token issued by API integration team >

X-IBM-Client-Id: <provided by UPSC team>

X-IBM-Client-Secret: <provided by UPSC team>

Model :

InsurancePurchase

```
{
  quoteId      String ($UUID)
                Required
                Indicates the UPSC QuoteId (from Quote Response) by UPS Capital
                corresponding customer requested quote.
  productId    String
                Required
                Same as in the original quote request
  partnerId    String
                Required
                Same as in the original quote request
  upscCustomerID String
                Required
                Same as in the original quote request
  locationID   String
                Required
                Same as in the original quote request
}
```

Example:

```
{
  "quoteId": "9f3ef92145be4045a638568f93450985",
  "productId": "3",
  "partnerId": "XXX001",
  "upscCustomerID": "XXX",
  "locationId": "12345678"
}
```


Response

Response Content Type : <i>application/json</i>	
Code	Description
200	Successful Operation Same as Quotes Response
400	Invalid payload format <pre> ApiResponseFault{ code integer(\$int32) message string description string errors [errors{ code string field string message string }] }</pre>
404	Resource not found <pre> ApiResponseFault{ code integer(\$int32) message string description string errors [errors{ code string field string message string }] }</pre>
Example:	
200 - Successful Operation	
<pre> { "quoteId": "9f3ef92145be4045a638568f93450985", "payablesAttentionTo": "Tobias Müller", "premiumAmount": "24,02", "grossPremiumAmount": "24,02", "tax": "0,0", "quoteInfo": { "productId": "3", "locationId": "12345678",</pre>	



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```
"transactionID": "ABC123123123",
"partnerId": "XXX001",
"shipperPrincipal": "Tobias Müller",
"status": "UNCONFIRMED",
"upscCustomerId": "XXX",
"shipmentInfo": {
  "shipperId": "E965842572",
  "shipperName": "Max Mustermann",
  "carrier": "DHL",
  "shipDate": "05.10.2021",
  "bol": "ABC123123123",
  "insuredValue": "600,50",
  "commodityCodeType": "UPSC",
  "commodityCode": "500",
  "oversize": "N",
  "usedGoods": "N",
  "modeOfTransport": "1",
  "consigneeName": "Tobias Müller",
  "shipmentType": "3",
  "description": "THIS IS TEST QUOTE. PLEASE DO NOT PROCESS",
  "currency": "EUR"
},
"originAddress": {
  "address1": "44 Maiden Street ",
  "city": "Westfield ",
  "state": "MA",
  "postalCode": "01085 ",
  "countryCode": "US"
},
"destinationAddress": {
  "address1": "Henrich Heine Alle 1",
  "city": "Düsseldorf",
  "state": "NRW",
  "postalCode": "40213",
  "countryCode": "DE"
},
"payablesAddress": {
  "address1": "Henrich Heine Alle 1",
  "city": "Düsseldorf",
  "state": "NRW",
  "postalCode": "40213",
  "countryCode": "DE"
},
"shipperAddress": {
  "address1": "Henrich Heine Alle 1",
  "city": "Düsseldorf",
  "state": "NRW",
  "postalCode": "40213",
  "countryCode": "DE"
}
}
```

2.4 Confirm Shipment

Customer's request for confirming shipment (after being picked up by a transportation carrier) for which insurance coverage was previously purchased by providing the necessary coverage information.

Post

<https://upscapi.ams1907.com/apis/list/shipment/v1>

This method places the insured shipment picked up by the carrier in a confirmed status and eligible for future claim requests.

Request

Request Parameters

body * (required)

Quote object needs to be sent to the API as a request payload...

Request Headers

Content Type : *application/json*

bearer: < secure token issued by API integration team >

X-IBM-Client-Id: <provided by UPSC team>

X-IBM-Client-Secret: <provided by UPSC team>

Model :

Purchase Coverage

{	
quoteId	String Required
productId	String Required
partnerId	String Required
transactionID	String Required
status	String Required
Indicates current status of the Package that is being insured. Shipment status must be confirmed before continuing with purchase.	
ShipmentStatus	
Enum:	
[UNCONFIRMED, CONFIRMED, VOID]	
For Confirm Shipment request, "CONFIRMED" & "VOID" are the only value allowed.	
- UNCONFIRMED status can change to CONFIRMED or VOID.	
- CONFIRMED status can change to VOID.	

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- **VOID** status cannot be changed. To purchase valid coverage, one need to start over by submitting a new create quote request again.

}

Example:

```
{
  "quoteId": "9f3ef92145be4045a638568f93450985",
  "productId": "3",
  "partnerId": "XXX001",
  "upscCustomerId": "XXX",
  "transactionID": "ABC123123123",
  "customerType": "EU",
  "status": "CONFIRMED"
}
```

Response

Response content type : <i>application/json</i>	
Code	Description
200	Successful Operation Same as Quotes Response
400	Invalid payload format <pre>ApiResponseFault{ code integer(\$int32) message string description string errors [errors{ code string field string message string }] }</pre>
401	Invalid payload data <pre>ApiResponseFault{ code integer(\$int32) message string description string errors [errors{ code string field string message string }] }</pre>



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```
}
}
```

Example:

200 - Successful Operation

```
{
  "quoteId": "9f3ef92145be4045a638568f93450985",
  "payablesAttentionTo": "Tobias Müller",
  "premiumAmount": "24,02",
  "quoteInfo": {
    "productId": "3",
    "locationId": "12345678",
    "transactionID": "ABC123123123",
    "partnerId": "XXX001",
    "shipperPrincipal": "Tobias Müller",
    "status": "CONFIRMED",
    "upscCustomerId": "XXX",
    "shipmentInfo": {
      "shipperId": "E965842572",
      "shipperName": "Max Mustermann",
      "carrier": "DHL",
      "shipDate": "05.10.2021",
      "bol": "ABC123123123",
      "insuredValue": "600,50",
      "commodityCodeType": "UPSC",
      "commodityCode": "500",
      "oversize": "N",
      "usedGoods": "N",
      "modeOfTransport": "1",
      "consigneeName": "Tobias Müller",
      "shipmentType": "3",
      "description": "THIS IS TEST QUOTE. PLEASE DO NOT PROCESS",
      "currency": "EUR"
    },
    "originAddress": {
      "address1": "44 Maiden Street",
      "city": "Westfield",
      "state": "MA",
      "postalCode": "01085",
      "countryCode": "US"
    },
    "destinationAddress": {
      "address1": "Henrich Heine Alle 1",
      "city": "Düsseldorf",
      "state": "NRW",
      "postalCode": "40213",
      "countryCode": "DE"
    },
    "payablesAddress": {
      "address1": "Henrich Heine Alle 1",
      "city": "Düsseldorf",
      "state": "NRW",
      "postalCode": "40213",
      "countryCode": "DE"
    }
  },
}
```



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```
"shipperAddress": {  
  "address1": "Henrich Heine Alle 1",  
  "city": "Düsseldorf",  
  "state": "NRW",  
  "postalCode": "40213",  
  "countryCode": "DE"  
},  
"grossPremiumAmount": "24,02",  
"tax": "0,0"  
}
```

2.5 Implementation Scenario

The structure of these APIs allows flexibility in how a Channel Partner wants to integrate the insurance. Channel Partner may choose to generate an insurance quote to allow the Shippers the ability to decide whether or not to purchase this insurance for their shipment. Channel Partner also have the flexibility to set their insurance coverage for all shipments, regardless of the insurance quote. The APIs can be called in immediate sequence to automatically elect insurance coverage. For a hybrid approach, Channel Partner can choose to set up business rules within their User Interface which will provide auto-coverage of insurance for some shipments, and for other shipments provide the shippers the ability to make a decision on the insurance.

Error Messages

4.1 Error Messages Matrix

API	Scenario	Error Code	Error Messages
Get Pricing	Product ID field is missing	400	Product Id missing
Get Pricing	Invalid Partner ID	401	The Token issued is not valid.
Get Pricing	Ship Date field is missing	400	Ship Date missing
Get Pricing	Commodity Code is missing	400	CommodityCode missing
Get Pricing	Over Size field is missing	400	Oversized information missing
Create Quote	Product ID field is missing	400	Error.Product.Id.Invalid.or.Null
Create Quote	Invalid Product ID	400	Error.Invalid.Product.Id
Create Quote	Location ID field is missing	400	Error.Location.Id.Invalid.or.Null
Create Quote	Location ID is invalid	400	Error.Location.Id.Invalid.or.Nul
Create Quote	Shipper Principal is missing or invalid	400	Error.Shipper.Principal.Invalid.or.Null
Create Quote	Payable Attention to is missing or invalid	400	Error.Payables.Attention.To.Invalid.or.Null
Create Quote	Partner ID field is missing	401	The Token issued is not valid.
Create Quote	Partner ID field is Invalid	400	Error.Partner.Id.Invalid.or.Null
Create Quote	UPSC Customer ID is invalid or NULL	400	Error.UPSC.Customer.Id.Invalid.or.Null
Create Quote	Transaction ID is Invalid or Null	400	Error.Transaction.Invalid.or.Null
Create Quote	Status is Invalid or Null	400	Error.Status.Invalid.or.Null
Create Quote	Currency is Invalid or Null	400	Error.Currency.Invalid
Create Quote	Shipper ID is Invalid or NULL	400	Error.Shipper.Id.Invalid
Create Quote	Shipper Name is Invalid	400	Error.Shipper.Name.Invalid
Create Quote	Carrier is Invalid	400	Error.Carrier.Invalid
Create Quote	BOL is invalid	400	Error.Bol.Invalid
Create Quote	Insured Value is Invalid	400	Error.Invalid.Insurance.Value

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Create Quote	Insured Value is NULL	400	Error.Location.Id.Invalid.or.Null
Create Quote	Commodity Code is Invalid or NULL	400	Error.Commodity.Code.Invalid.or.Null
		400	Error.Oversize.Flag.Invalid.or.Null
Create Quote	Used or Oversize Field is Invalid or Null	400	Error.Used.Goods.Invalid.or.Null
		400	Error.Shipper.Address2.Invalid.or.Null
		400	Error.Shipper.Address1.Invalid.or.Null
Create Quote	Shipment Address error	400	Error.Shipper.State.Invalid.or.Null
Create Quote	Transaction not Possible	400	Error.Transaction.Invalid

4.2 Field Validations

Field Name	Validations
All Address Fields - Name	Alphanumeric; Special characters from DE, FR, IT & ES are allowed. Including: - + & () / , ~ ` # . : ; " * '
All Address Fields - City	Alphanumeric; Special characters from DE, FR, IT & ES are allowed. Including: - + & () / , ~ ` # . : ; " * '
All Address Fields- Address 1,2	Alphanumeric; Special characters from DE, FR, IT & ES are allowed. Including: - + & () / , ~ ` # . : ; " * '
All Address Fields - State	Valid EU State Codes; Only DE, IT, FR & IT are allowed
All Address Fields - Country	Alphabetical, CountryCode should be ISO – Two digit code.
ProductId	Numeric
Location	Alphanumeric
Shipper Principle	Alphanumeric; Special characters from DE, FR, IT & ES are allowed. Including: - + & () / , ~ ` # . : ; " * '
Payables Attention To	Alphanumeric; Special characters from DE, FR, IT & ES are allowed. Including: - + & () / , ~ ` # . : ; " * '
PartnerId	Alphanumeric
UpscCustomerId	Alphanumeric
TransactionId	Numeric
Status	Confirmed/Unconfirmed/Void
Currency	Alphabetical; Only EUR, GBP or USD is allowed



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ShipperId	Alphanumeric
ShipperName	Alphanumeric; Special characters from DE, FR, IT & ES are allowed. Including: - + & () / , ~ ` # . : ; " * '
Carrier	Alphanumeric; Special characters from DE, FR, IT & ES are allowed. Including: - + & () / , ~ ` # . : ; " * '
ShipDate	Date/Validation
Bol	Numeric
InsuredValue	Decimal
CommodityCodeType	Alphanumeric
CommodityCode	Numeric
Oversize/usedGoods	Y/N
ModeOfTransport	Numeric
ConsigneeName	Alphanumeric; Special characters from DE, FR, IT & ES are allowed. Including: - + & () / , ~ ` # . : ; " * '
TrackingNumber	Alphanumeric
Description	Alphanumeric; Special characters from DE, FR, IT & ES are allowed. Including: - + & () / , ~ ` # . : ; " * '
TransactionType	Numeric
ShipmentType	Numeric