



UPS Capital®

Technical
Implementation
Reference Guide

Table of Contents

1. Overview	1
1.1 APIs	1
1.2 Getting Started	2
1.3 Security / Authentication	2
1.4 Insurance Service Workflow Overview	3
2. Insurance Service - APIs	4
2.1 Insurance Service - URLs	4
2.2 Create Quote	4
2.3 Purchase Coverage	13
2.4 Confirm Shipment	16
2.5 Implementation Scenario	19
3. Error Messages	20
3.1 Error Messages Matrix	20
3.2 Field Validations	21

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).

1.2 Getting Started

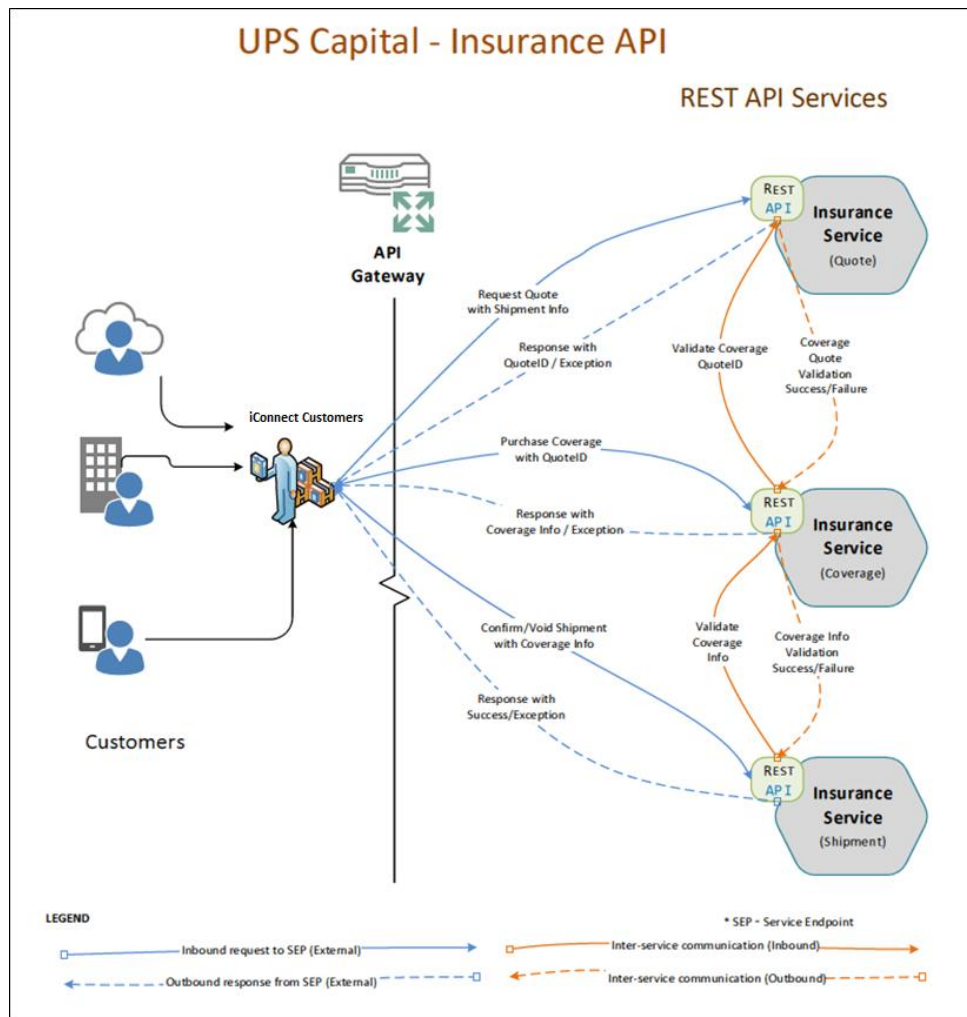
The first step is to ensure all the contractual agreements between UPS Capital (UPSC) and the new InsureShield™ Connect customer (customer) are completed. Once the agreements are finalized, the UPS Capital Customer Engagement Team with the help of UPSC IT team will setup a UAT Environment with sample rates to enable the API interactions. The customer will receive 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 by bearer tokens in the request headers in addition to using the secured JWT tokens provided by the UPS Capital Customer Engagement 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. 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.ams1907.com/apis/list/quote/v1>

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 2
locationId	String	Required
		Indicates the Id of the location assigned by the customer. In case a customer has multiple locations they can pass different location ID's.
transactionID	String	Required
		Indicates a unique identifier of the customer transaction from the customers IT System



UPS Capital Insurance Program

Technical Implementation Reference Guide

partnerId	If possible, please keep it same as BOL - Bill of Lading number. String Required																
upscCustomerID	Indicates Partner Id, assigned by UPS Capital to the iConnect customer ex: XXX002 String Required																
customterType	Indicates Franchise Identifier assigned by UPS Capital ex: XXX Use first 3 letters of partnerID String Required																
quoteShipmentInfo	Indicates the continent of the customer. "EU" is the only value allowed ShipmentInfo{ <table> <tr> <td>currency</td><td> String Required EUR, GBP or USD Default the currency to your local currency </td></tr> <tr> <td>shipperId</td><td> String Required Indicates Customer shipper identifier. Value should be unique for each shipper account </td></tr> <tr> <td>shipperName</td><td> String Indicates Customer shipper name </td></tr> <tr> <td>carrier</td><td> String Indicates transportation carrier </td></tr> <tr> <td>shipDate</td><td> string Required Indicates package shipment date Fmt: DD.MM.YYYY Eg: "05.10.2021" </td></tr> <tr> <td>bol</td><td> String Required Indicates Bill of Lading number for the shipment </td></tr> <tr> <td>insuredValue</td><td> 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> <tr> <td>commodityCodeType</td><td> String Required Indicates type of the Commodity Code that is being shipped ex: UPSC </td></tr> </table> }	currency	String Required 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	commodityCodeType	String Required Indicates type of the Commodity Code that is being shipped ex: UPSC
currency	String Required 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																
commodityCodeType	String Required Indicates type of the Commodity Code that is being shipped ex: UPSC																



UPS Capital Insurance Program

Technical Implementation Reference Guide

```

        commodityCode    String
                           Required
                           Indicates numeric commodity code
                           of item in the shipment
                           Default it to "500"

        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
    }

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

```



UPS Capital Insurance Program

Technical Implementation Reference Guide

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

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 Name

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
 please use the country of the policy holder.

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:



UPS Capital Insurance Program

Technical Implementation Reference Guide

```
{
  "isMicroPolicy": "n",
  "productId": "2",
  "locationId": "12345678",
  "transactionID": "ABC123123123",
  "partnerId": "XXX002",
  "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": {
    "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",
```



UPS Capital Insurance Program Technical Implementation Reference Guide

```
"state": "NRW",  
  "postalCode": "40213",  
  "countryCode": "DE"  
},  
"status": "UNCONFIRMED"  
}
```

Response

Response Headers																														
content type : <i>application/json</i>																														
Code	Description																													
200	Successful Operation QuoteReturn{ <table><tr><td>quoteId</td><td>string</td><td>Indicates the uniquely generated QuoteId by UPS Capital for the customer requested shipment information</td></tr><tr><td>payablesAttentionTo</td><td>string</td><td></td></tr><tr><td>premiumAmount</td><td>number</td><td>Same as Request</td></tr><tr><td>quoteDateTime</td><td>string</td><td>Indicates the insurance premium value for the Shipment Value & commodity in the quote request</td></tr><tr><td>quoteValidTo</td><td>string</td><td>Indicates the date & time of the QuoteId generation by UPS Capital</td></tr><tr><td>quoteInfo</td><td> Indicates the date & time the QuoteId is Valid for customer to purchase shipment coverage QuoteInfo{ <table><tr><td>productId</td><td>string</td></tr><tr><td>locationId</td><td>string</td></tr><tr><td>transactionID</td><td>string</td></tr><tr><td>partnerId</td><td>string</td></tr><tr><td>shipperPrincipal</td><td>string</td></tr><tr><td>status</td><td>string</td></tr></table> ShipmentStatus Enum: [UNCONFIRMED ,CONFIRMED] </td></tr></table>	quoteId	string	Indicates the uniquely generated QuoteId by UPS Capital for the customer requested shipment information	payablesAttentionTo	string		premiumAmount	number	Same as Request	quoteDateTime	string	Indicates the insurance premium value for the Shipment Value & commodity in the quote request	quoteValidTo	string	Indicates the date & time of the QuoteId generation by UPS Capital	quoteInfo	Indicates the date & time the QuoteId is Valid for customer to purchase shipment coverage QuoteInfo{ <table><tr><td>productId</td><td>string</td></tr><tr><td>locationId</td><td>string</td></tr><tr><td>transactionID</td><td>string</td></tr><tr><td>partnerId</td><td>string</td></tr><tr><td>shipperPrincipal</td><td>string</td></tr><tr><td>status</td><td>string</td></tr></table> ShipmentStatus Enum: [UNCONFIRMED ,CONFIRMED]	productId	string	locationId	string	transactionID	string	partnerId	string	shipperPrincipal	string	status	string
quoteId	string	Indicates the uniquely generated QuoteId by UPS Capital for the customer requested shipment information																												
payablesAttentionTo	string																													
premiumAmount	number	Same as Request																												
quoteDateTime	string	Indicates the insurance premium value for the Shipment Value & commodity in the quote request																												
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productId	string																													
locationId	string																													
transactionID	string																													
partnerId	string																													
shipperPrincipal	string																													
status	string																													



UPS Capital Insurance Program

Technical Implementation Reference Guide

	<pre>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: { 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	<i>Invalid payload format</i>



UPS Capital Insurance Program

Technical Implementation Reference Guide

	ApiResponseFault{ code integer(\$int32) message string description string errors [errors{ code String Indicates the internal error code of indivi field string message string }] }
401	Invalid payload data ApiResponseFault{ code integer(\$int32) message String description String errors [errors{ code string field string message string }] }
404	Resource not found ApiResponseFault{ code integer(\$int32) message String description String 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",
}
```



UPS Capital Insurance Program

Technical Implementation Reference Guide

```
"quoteInfo": {  
  "productId": "2",  
  "locationId": "12345678",  
  "transactionID": "ABC123123123",  
  "partnerId": "XXX002",  
  "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"  
  },  
  },  
},  
}
```

```
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

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 :

UPS Capital Insurance Program

Technical Implementation Reference Guide

InsurancePurchase

```
{
  quoteId      String ($UUID)
               Required
               Indicates the UPSC QuoteId(from Quote Response) by UPS
               Capital for the 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": "2",
  "partnerId": "XXX002",
  "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 ApiResponseFault { <table> <tr><td>code</td><td>integer (\$int32)</td></tr> <tr><td>message</td><td>string</td></tr> <tr><td>description</td><td>string</td></tr> <tr><td>errors</td><td>[errors{</td></tr> <tr><td></td><td>code string</td></tr> <tr><td></td><td>field string</td></tr> <tr><td></td><td>message string</td></tr> <tr><td></td><td>}]</td></tr> </table>	code	integer (\$int32)	message	string	description	string	errors	[errors{		code string		field string		message string		}]
code	integer (\$int32)																
message	string																
description	string																
errors	[errors{																
	code string																
	field string																
	message string																
	}]																



UPS Capital Insurance Program

Technical Implementation Reference Guide

	}
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

```

{
  "quoteId": "9f3ef92145be4045a638568f93450985",
  "payablesAttentionTo": "Tobias Müller",
  "premiumAmount": "24,02",
  "grossPremiumAmount": "24,02",
  "tax": "0,0",
  "quoteInfo": {
    "productId": "2",
    "locationId": "12345678",
    "transactionID": "ABC123123123",
    "partnerId": "XXX002",
    "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>

UPS Capital Insurance Program Technical Implementation Reference Guide

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.
  - 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": "2",
  "partnerId": "XXX002",
  "upscCustomerID": "XXX",
  "transactionID": "ABC123123123",
  "customerType": "EU",
  "status": "CONFIRMED"
}
```

Response

Response content type :

application/json

Code	Description
200	Successful Operation Same as Quotes Response



UPS Capital Insurance Program

Technical Implementation Reference Guide

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>
Example:	
200 – Successful Operation <pre>{ "quoteId": "9f3ef92145be4045a638568f93450985", "payablesAttentionTo": "Tobias Müller", "premiumAmount": "24,02", "quoteInfo": { "productId": "2", "locationId": "12345678", "transactionID": "ABC123123123", "partnerId": "XXX002", "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", } } }</pre>	



UPS Capital Insurance Program

Technical Implementation Reference Guide

```
"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"
}
},
"grossPremiumAmount": "24,02",
"tax": "0,0"
}
```

2.5 Implementation Scenario

The structure of these APIs allow flexibility in how a customer wants to elect insurance. Customers may choose to generate an insurance quote to allow the user the ability to decide whether or not to purchase this insurance for their shipment. Customers 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, customers 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 user the ability to make a decision on the insurance.

Error Messages

3.1 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

UPS Capital Insurance Program Technical Implementation Reference Guide

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
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

3.2 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
ProductId	Numeric

UPS Capital Insurance Program

Technical Implementation Reference Guide

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
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