

```
<h3 id="p-variants-label">  
<span>Variants</span>
```

```
</h3>
```

```
</div>
```

```
<div id="navigation">
```

```
<div id="p-views" role="navigation">
```

```
<div id="p-views-label">
```



UPS Capital<sup>®</sup>

Technical  
Implementation  
Reference Guide

```
<li id="ca-view">  
<li id="ca-view">  
<li id="ca-h">
```

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# UPS Capital Insurance Program Technical Implementation Reference Guide

## 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

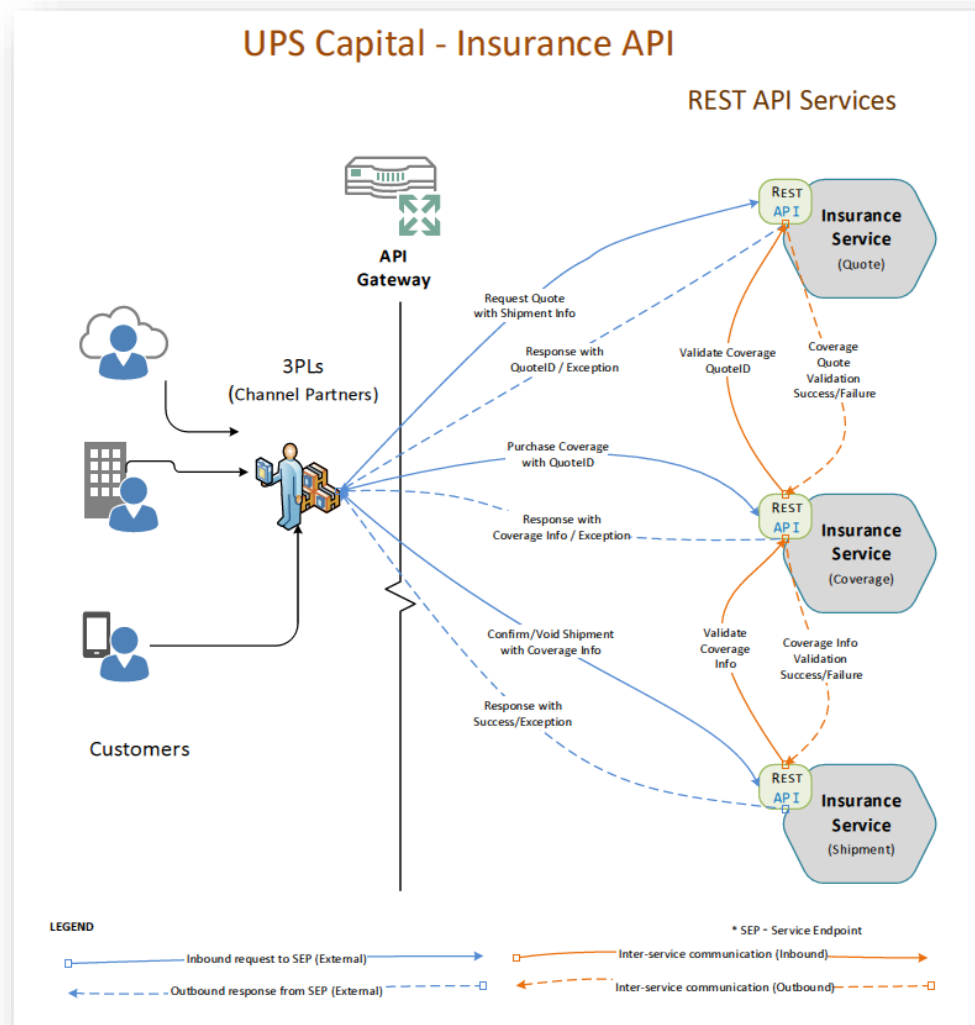
The first step is to ensure all the contractual agreements between UPS Capital (UPSC) and the new Channel Partner (CP) are completed. Once the agreements are finalized, the UPSC IT API integration team will setup a sandbox environment for the new Channel Partner with sample rates to enable the API interactions. The CP IT team will reach out to the UPSC API 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 consumer (Customer).

### 1.4. Insurance Service Workflow Overview





# Insurance Service - APIs

## 2. 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.

#### 2.1. 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 >*

##### Model :

##### Quote

```

{
  productId           String
                      Required
                      Indicates Product Id value assigned by UPS Capital, by
                      default 1 for Channel Partners
  locationId          String
                      Required
                      Indicates the Id Channel Partner assigns to their
                      customer
  transactionID       String
                      Required
                      Indicates a unique identifier of the customer
                      transaction from the Channel Partner IT System
  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

```



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quoteShipmentInfo	<b>ShipmentInfo</b> {	
	shipperId	String <b>Required</b> 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(\$date) <b>Required</b> Indicates package shipment date. Fmt: YYYY-MM-DD HH:MM:SS.ms Eg: "2017-10-20 17:24:23.0"
	bol	String <b>Required</b> Indicates Bill of Lading number for the shipment
	insuredValue	number(\$double) <b>Required</b> Indicates Insured Value of the shipment
	commodityCodeType	String Indicates type of the Commodity Code that is being shipped ex: UPSC
	commodityCode	String <b>Required</b> Indicates numeric commodity code of item in the shipment
	oversize	Boolean <b>Required</b> Indicates if the shipment package is over normal size limits. Y or N
	usedGoods	Boolean <b>Required</b> Indicates if the shipment content is new or used goods N or U
	modeOfTransport	String <b>Required</b> Indicates the Mode of Transportation. 1 - Air 2 - Ground 3 - Ocean
	consigneeName	String Indicates the Name of Consignee
	insuranceAuthorization	String Indicates the special authorization code obtained





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			by channel partner from the UPS Capital underwriting for shipments exceptions
	<b>description</b>	<b>String</b>	Indicates detailed information of the shipment goods
	<b>shipmentType</b>	<b>Int</b>	<b>Required</b> Indicates the type of shipment the quote is for
			1- FTL/FCL 2- LTL/LCL 3- Small Package 4- Ground Freight Pricing 5- Ocean
<b>destinationAddress</b>	<b>address</b> {		
	<b>address1</b>	<b>String</b>	<b>Required</b>
	<b>address2</b>	<b>String</b>	
	<b>city</b>	<b>String</b>	<b>Required</b>
	<b>state</b>	<b>String</b>	<b>Required</b>
	<b>postalCode</b>	<b>String</b>	<b>Required</b>
	<b>countryCode</b>	<b>String</b>	<b>Required</b>
	}		
<b>originAddress</b>			Indicates the package destination address/location to where the insured package is shipped
	<b>address</b> {		
	<b>address1</b>	<b>String</b>	<b>Required</b>
	<b>address2</b>	<b>String</b>	
	<b>city</b>	<b>String</b>	<b>Required</b>
	<b>state</b>	<b>String</b>	<b>Required</b>
	<b>postalCode</b>	<b>String</b>	<b>Required</b>
	<b>countryCode</b>	<b>String</b>	<b>Required</b>
	}		
<b>payablesAttentionTo</b>			Indicates the package Origin address/location from where the insured package is shipped
	<b>String</b>		<b>Required</b>
<b>payablesAddress</b>			Indicates the shipper payable information, usually used for claims payment
	<b>address</b> {		
	<b>address1</b>	<b>String</b>	<b>Required</b>
	<b>address2</b>	<b>String</b>	
	<b>city</b>	<b>String</b>	<b>Required</b>
	<b>state</b>	<b>String</b>	<b>Required</b>
	<b>postalCode</b>	<b>String</b>	<b>Required</b>
	<b>countryCode</b>	<b>String</b>	<b>Required</b>
	}		
<b>shipperPrincipal</b>			Indicates the shipper payables address information, usually used for claims payment
	<b>String</b>		<b>Required</b>



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<b>shipperAddress</b>	<p>Indicates Shipper's Name that will be used for Office of Foreign Assets Control (OFAC) screening</p> <p><b>address</b>{</p> <table border="0"> <tr><td>address1</td><td>String</td><td>Required</td></tr> <tr><td>address2</td><td>String</td><td></td></tr> <tr><td>city</td><td>String</td><td>Required</td></tr> <tr><td>state</td><td>String</td><td>Required</td></tr> <tr><td>postalCode</td><td>String</td><td>Required</td></tr> <tr><td>countryCode</td><td>String</td><td>Required</td></tr> </table> <p>}</p>	address1	String	Required	address2	String		city	String	Required	state	String	Required	postalCode	String	Required	countryCode	String	Required
address1	String	Required																	
address2	String																		
city	String	Required																	
state	String	Required																	
postalCode	String	Required																	
countryCode	String	Required																	
<b>status</b>	<p>Indicates the shipper address/location used for OFAC screening</p> <p><b>String</b></p> <p>Indicates status of the Package that is being insured by the Channel Partner</p> <p><b>ShipmentStatus</b></p> <p>Enum:</p> <p>[ UNCONFIRMED, CONFIRMED, VOID ]</p> <p>For Create Quote request, "UNCONFIRMED" is the only value allowed.</p>																		

### Example:

```
{
  "productId": "1",
  "locationId": "1111562345106",
  "transactionID": "86345941635",
  "partnerId": "XXX001",
  "upscCustomerID": "XXX",
  "quoteShipmentInfo": {
    "shipperId": "W230499252",
    "shipperName": "VIACHEMO",
    "carrier": "RLCA",
    "shipDate": "2017-10-20 17:24:23.0",
    "bol": "8660335073",
    "insuredValue": "130120.00",
    "commodityCodeType": "UPSC",
    "commodityCode": "310",
    "oversize": "N",
    "usedGoods": "N",
    "modeOfTransport": "2",
    "consigneeName": "John Doe",
    "insuranceAuthorization": "201705250002",
    "description": "Big pallet of stuff"
    "shipmentType": "1"
  },
  "destinationAddress": {
    "address1": "3053520 SE 843rd St.",
    "address2": ". ",
    "city": "Wombat",
    "state": "WA",
    "postalCode": "98010",
    "countryCode": "US"
  }
}
```





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<p><b>quoteDateTime</b></p>	<p><b>string(\$datetime)</b></p> <p>Indicates the date &amp; time of the QuoteId generation by UPS Capital</p>
<p><b>quoteValidTo</b></p>	<p><b>string(\$datetime)</b></p> <p>Indicates the date &amp; time the QuoteId is Valid for customer to purchase shipment coverage</p>
<p><b>quoteInfo</b></p>	<p><b>QuoteInfo{</b></p> <ul style="list-style-type: none"> <li><b>productId</b> string</li> <li><b>locationId</b> string</li> <li><b>transactionID</b> string</li> <li><b>partnerId</b> string</li> <li><b>shipperPrincipal</b> string</li> <li><b>status</b> string</li> </ul> <p><b>ShipmentStatus</b> Enum: [ UNCONFIRMED , CONFIRMED ]</p> <p><b>upscCustomerId</b> string</p> <p><b>ShipmentInfo: {</b></p> <ul style="list-style-type: none"> <li><b>shipperId</b> string</li> <li><b>shipperName</b> string</li> <li><b>carrier</b> string</li> <li><b>shipDate</b> string(\$date)</li> <li><b>bol</b> string</li> <li><b>insuredValue</b> number(\$double)</li> <li><b>commodityCodeType</b> string</li> <li><b>commodityCode</b> string</li> <li><b>oversize</b> boolean</li> <li><b>usedGoods</b> boolean</li> <li><b>modeOfTransport</b> string</li> <li><b>consigneeName</b> string</li> <li><b>shipmentType</b> int</li> <li><b>insuranceAuthorization</b> string</li> <li><b>description</b> string</li> <li><b>deductibleText</b> string</li> <li><b>deductibleAmount</b> string</li> <li><b>termsAndConditions</b> string</li> </ul> <p><b>}</b></p> <p><b>originAddress: {</b></p> <ul style="list-style-type: none"> <li><b>address1</b> string</li> <li><b>address2</b> string</li> <li><b>city</b> string</li> <li><b>state</b> string</li> <li><b>postalCode</b> string</li> <li><b>countryCode</b> string</li> </ul> <p><b>}</b></p> <p><b>destinationAddress: {</b></p> <ul style="list-style-type: none"> <li><b>address1</b> string</li> <li><b>address2</b> string</li> <li><b>city</b> string</li> <li><b>state</b> string</li> <li><b>postalCode</b> string</li> <li><b>countryCode</b> string</li> </ul>



	<pre>     }     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>
<b>400</b>	<p><b>Invalid payload format</b></p> <pre> ApiResponseFault {     code          integer(\$int32)     message       string     description    string     errors        [errors {                     code          String                     field         string                     message       string                 }] } </pre> <p>Indicates the internal error code of individual</p>
<b>401</b>	<p><b>Invalid payload data</b></p> <pre> ApiResponseFault {     code          integer(\$int32)     message       String     description    String     errors        [errors {                     code          string                     field         string                     message       string                 }] } </pre>
<b>404</b>	<p><b>Resource not found</b></p> <pre> ApiResponseFault {     code          integer(\$int32) </pre>



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

### Example:

200 - Successful Operation

```
{
  "quoteId": "5c8bcsdggf-91cc-4cc9-bd20-d885b6c175e0",
  "payablesAttentionTo": "Jane Austin",
  "premiumAmount": "270.40",
  "quoteDateTime": "2017-09-11T09:54:29.521",
  "quoteValidTo": "2017-10-11T09:54:29.521",
  "quoteInfo": {
    "productId": "1",
    "locationId": "111156243106",
    "transactionID": "863345941635",
    "partnerId": "XXX001",
    "shipperPrincipal": "XXXCHEMO",
    "status": "UNCONFIRMED",
    "upscCustomerId": "XXX",
    "shipmentInfo": {
      "shipperId": "W230499252",
      "shipperName": "VIESFHMO",
      "carrier": "RLCA",
      "shipDate": "2017-10-20 17:24:23.0",
      "bol": "866033425073",
      "insuredValue": "130120.00",
      "commodityCodeType": "UPSC",
      "commodityCode": "310",
      "oversize": "N",
      "usedGoods": "N",
      "modeOfTransport": "2",
      "consigneeName": "John Doe",
      "shipmentType": "1",
      "insuranceAuthorization": "201709120002",
      "description": "Big pallet of stuff",
      "deductibleText": "2.5% of Total Insured Value ($250 Minimum)",
      "deductibleAmount": "$200.00",
      "termsAndConditions": "All Risk Coverage with the following exclusions: ....."
    }
  },
  "originAddress": {
    "address1": "5345003 Waitsboro Rd",
    "address2": ".",
    "city": "Preston",
    "state": "GA",
    "postalCode": "30290",
    "countryCode": "US"
  },
  "destinationAddress": {
```



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```
"address1": "3052340 SE 584th St.",  
"address2": ".",  
"city": "Wombat",  
"state": "WA",  
"postalCode": "98010",  
"countryCode": "US"  
},  
"payablesAddress": {  
"address1": "10350 N Central Expressway",  
"address2": "Ste 7420",  
"city": "Atlanta",  
"state": "PA",  
"postalCode": "10101",  
"countryCode": "US"  
},  
"shipperAddress": {  
"address1": "5034503 Wringsboro Rd",  
"address2": ".",  
"city": "Taylor",  
"state": "PA",  
"postalCode": "11133",  
"countryCode": "US"  
}  
}  
}
```

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."  
    }  
  ]  
}
```

### 2.2. 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 >*

##### Model :

##### InsurancePurchase

<code>QuoteId</code>	<code>String (\$UUID)</code> <b>Required</b> Indicates the UPSC QuoteId(from Quote Response) by UPS Capital corresponding customer requested quote.
<code>productId</code>	<code>String</code> <b>Required</b> Same as in the original quote request
<code>partnerId</code>	<code>String</code> <b>Required</b> Same as in the original quote request
<code>upscCustomerID</code>	<code>String</code> <b>Required</b> Same as in the original quote request
<code>locationID</code>	<code>String</code> <b>Required</b> Same as in the original quote request

##### Example:

```
{
  "quoteId": "5c8bc760-91cc-4cc9-bd20-d885b6c175e0",
  "productId": "1",
  "partnerId": "XXX001",
  "upscCustomerID": "XXX",
  "locationID": "12345"
}
```

#### Response





Response Content Type : <i>application/json</i>	
Code	Description
<b>200</b>	<b>Successful Operation</b>  Same as Quotes Response
<b>400</b>	<b>Invalid payload format</b>  <pre>ApiResponseFault{   code          integer(\$int32)   message       string   description   string   errors       [errors{                     code          string                     field         string                     message       string                   }] }</pre>
<b>404</b>	<b>Resource not found</b>  <pre>ApiResponseFault{   code          integer(\$int32)   message       string   description   string   errors       [errors{                     code          string                     field         string                     message       string                   }] }</pre>
<b>Example:</b>	
<b>200 - Successful Operation</b>	
<pre>{   "quoteId": "5c8bcd87-91cc-4cc9-bd20-d885b6c175e0",   "payablesAttentionTo": "Jane Austin",   "premiumAmount": "270.40",   "quoteDateTime": "2017-09-11T09:54:29.521",   "quoteValidTo": "2017-10-11T09:54:29.521",   "quoteInfo": {     "productId": "1",     "locationId": "1111534566106",     "transactionID": "869434561635",     "partnerId": "XXX001",     "shipperPrincipal": "VGKSDCHEMO",     "status": "UNCONFIRMED",     "upscCustomerId": "XXX",   } }</pre>	



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```
"shipmentInfo": {
  "shipperId": "X2304562",
  "shipperName": " VGKSDCHEMO ",
  "carrier": "RLCA",
  "shipDate": "2017-10-20 17:24:23.0",
  "bol": "86603073",
  "insuredValue": "130120.00",
  "commodityCodeType": "UPSC",
  "commodityCode": "310",
  "oversize": "N",
  "usedGoods": "N",
  "modeOfTransport": "2",
  "consigneeName": "John Doe",
  "shipmentType": "1",
  "insuranceAuthorization": "20170912002",
  "description": "Big pallet of stuff",
  "deductibleText": "2.5% of Total Insured Value ($250 Minimum)",
  "deductibleAmount": "$200.00"
  "termsAndConditions": "All Risk Coverage with the following exclusions: ....."
},
"originAddress": {
  "address1": "503203 Leftsboro Rd",
  "address2": ".",
  "city": "Preston",
  "state": "GA",
  "postalCode": "30290",
  "countryCode": "US"
},
"destinationAddress": {
  "address1": "30520 SE 384th St.",
  "address2": ".",
  "city": "Wombat",
  "state": "WA",
  "postalCode": "98010",
  "countryCode": "US"
},
"payablesAddress": {
  "address1": "10340 N Central Expressway",
  "address2": "Ste 73420",
  "city": "Atlanta",
  "state": "PA",
  "postalCode": "10101",
  "countryCode": "US"
},
"shipperAddress": {
  "address1": "50303 Waynesboro Rd",
  "address2": ".",
  "city": "Taylor",
  "state": "PA",
  "postalCode": "11133",
  "countryCode": "US"
}
}
```

### 2.3. 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 >*

---

**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 by the Channel Partner. 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": "5c8bc760-91cc-4cc9-bd20-d885b6c175e0",
  "productId": "1",
  "partnerId": "XXX001",
  "transactionID": "86941635",
  "status": "CONFIRMED"
}
```

### Response

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

### Example:

*200 - Successful Operation*

```
{
  "quoteId": "65f6759c-1b61-4bb3-b28e-811210e1f85b",
```



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```
"payablesAttentionTo": "Jane Austin",
"premiumAmount": "270.40",
"quoteDateTime": "2017-09-11T09:59:39.407",
"quoteValidTo": "2017-10-11T09:59:39.407",
"quoteInfo": {
  "productId": "1",
  "locationId": "11781156106",
  "transactionID": "866789941635",
  "partnerId": "XXX001",
  "shipperPrincipal": "BASDFCHEMO",
  "status": "CONFIRMED",
  "upscCustomerId": "XXX",
  "shipmentInfo": {
    "shipperId": "Y24569252",
    "shipperName": "VDFGCHEMO",
    "carrier": "RLCA",
    "shipDate": "2017-10-20 17:24:23.0",
    "bol": "866045673073",
    "insuredValue": "130120.00",
    "commodityCodeType": "UPSC",
    "commodityCode": "310",
    "oversize": "N",
    "usedGoods": "N",
    "modeOfTransport": "2",
    "consigneeName": "John Doe",
    "shipmentType": "1",
    "insuranceAuthorization": "20170912002",
    "description": "Big pallet of stuff",
    "deductibleText": "2.5% of Total Insured Value ($250 Minimum)",
    "deductibleAmount": "$200.00",
    "termsAndConditions": "All Risk Coverage with the following exclusions: ....."
  },
},
"originAddress": {
  "address1": "5035603 Wringsboro Rd",
  "address2": ".",
  "city": "Preston",
  "state": "GA",
  "postalCode": "30290",
  "countryCode": "US"
},
"destinationAddress": {
  "address1": "30520 SE 814th St.",
  "address2": ".",
  "city": "Wombat",
  "state": "WA",
  "postalCode": "98010",
  "countryCode": "US"
},
"payablesAddress": {
  "address1": "10530 N Central Expressway",
  "address2": "Ste 72670",
  "city": "Atlanta",
  "state": "PA",
  "postalCode": "10101",
  "countryCode": "US"
},
"shipperAddress": {
  "address1": "503503 Wringsboro Rd",
  "address2": ".",

```



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```
        "city": "Taylor",  
        "state": "PA",  
        "postalCode": "11133",  
        "countryCode": "US"  
    }  
}
```



## **Claims Service - APIs**

### 3. Claims Service - URLs

UPS Capital Claims API

The API's purpose is to allow customers to submit claim information and retrieve claim status.

**Base URL:** <https://upscapi.ams1907.com/apis/list/claim/v1>

**Schemes:** HTTPS

#### 3.1. Notice to File Claims

##### Post

**Notice to File Claim:** <https://upscapi.ams1907.com/apis/list/claim/v1>

This method posts claim information received from a customer.

##### Request

##### Request Parameters

body \*(Required)  
 claim: 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 >*

##### Model :

##### Claim

```

claim{
  productId           String
                      Required
                      Indicates Product Id value assigned by UPS Capital, by
                      default 1 for Channel Partners
  locationId          String
                      Required
                      Indicates Id Channel Partner assigns to their customer
  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
  transactionId       String
                      Required
                      Indicates a unique identifier of the customer
                      transaction from Channel Partner IT System
  customerId          String
                      Required
                      Indicates Franchise Identifier of Channel Partner
  
```





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claimInfo	<b>ClaimInfo</b> {	
	claimsCurrency	string <b>Required</b> Claim currency e.g USD
	claimDetail	String Claim detail description
	billedAmount	String(\$double) Billed amount
	comments	string <b>Required</b> Claim comments
	ref1	String Future Use
	ref2	String Future Use
	ref3	String Future Use
	ref4	String Future Use
	ref5	String Future Use
	}	
claimDetail	<b>ClaimDetail</b> {	
	shipDate	string(\$date) <b>Required</b> Indicates package shipment date. Fmt: YYYY-MM-DD HH:MM:SS.ms Eg: "2017-10-20 17:24:23.000"
	lossDate	string(\$date) <b>Required</b> <b>Loss Date</b> Fmt: YYYY-MM-DD HH:MM:SS.ms Eg: "2017-10-20 17:24:23.000"
	lossAmount	string(\$double) <b>Required</b> Loss Amount
	merchandiseDescription	String Merchandise Amount
	carrier	string Indicates transportation carrier
	carrierCode	string Indicates Carrier Code
	carrierTrackingNumber	String Carrier Tracking Number
	billedMerchandiseAmount	string(\$double) <b>Billed Merchandise Amount</b>
	billedShippingCharge	string(\$double) <b>Billed Shipping Charge</b>
	packagingCharge	string(\$double) <b>Packaging Charge</b>



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```

    }
    contactInfo      }
                    ContactInfo{
                        contactFirstName      String
                                                Required
                                                Contact First Name
                        contactLastName       String
                                                Required
                                                Contact Last Name
                        contactPhoneNumber    String
                                                Required
                                                Contact Phone Number
                        contactEmailAddress String
                                                Required
                                                Contact Email Address
                    }
                    Indicates the claim contact information.
    secondaryInfo   SecondaryInfo{
                        secondaryClaimContactName String
                                                            Secondary Claim Contact
                                                            Name
                        secondaryClaimAddress1    String
                                                            Required
                                                            Secondary Claim Address
                                                            1
                        secondaryClaimAddress2    String
                                                            Secondary Claim Address
                                                            2
                        secondaryClaimCity        String
                                                            Secondary Claim City
                        secondaryClaimState       String
                                                            Secondary Claim State
                        secondaryClaimPostalCode  String
                                                            Secondary Claim Postal
                                                            Code
                        secondaryClaimCountryCode String
                                                            Secondary Claim Country
                                                            Code
                        secondaryClaimPhoneNumber String
                                                            Secondary Claim Phone
                                                            Number
                        secondaryClaimEmailAddress String
                                                            Secondary Claim Email
                                                            Address
                    }
                    Indicates claim secondary info
}

```

Example:

```

{
  "productId": "1",
  "locationId": "111156106",
  "transactionID": "635470002",
  "partnerId": "XXX001",

```



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```

"upscCustomerID": "XXX",
"packagingCharge": "123",
"claimInfo":{
  "claimsCurrency": "USD",
  "claimDetail": "CLAIM DETAILS",
  "billedAmount": "12312.00",
  "comments": "TEST COMMENTS",
  "ref1": "86603073",
  "ref2": "1301.00",
  "ref3": "UPSC",
  "ref4": "18",
  "ref5": "N"
},
"claimDetail":{
  "shipDate": "2017-11-20 17:24:23.000",
  "lossDate": "2017-11-22 17:24:23.000",
  "lossAmount": "12312.00",
  "merchandiseDescription": "TEST",
  "carrierTrackingInfo": "1321321",
  "billedMerchandiseAmount": "1234",
  "billedShippingCharge": "12312"
},
"contactInfo":{
  "contactFirstName": "John",
  "contactLastName": "Doe",
  "contactPhoneNumber": "9999999999",
  "contactEmailAddress": "a@b.com"
},
"secondaryInfo":{
  "secondaryClaimContactName": "John Doe",
  "secondaryClaimAddress1": "3053520 SE 843rd St.",
  "secondaryClaimAddress2": "Ste 720",
  "secondaryClaimCity": "Atlanta",
  "secondaryClaimState": "GA",
  "secondaryClaimPostalCode": "123123",
  "secondaryClaimCountryCode": "US",
  "secondaryClaimPhoneNumber": "9999999999",
  "secondaryClaimEmailAddress": "a@b.com"
}
}

```

## Response

**Response Headers**  
content type : *application/json*

Code	Description
200	<b>ClaimReturn</b> { productId                    string partnerId                   string upscCustomerId            string transactionId            string customerId                string



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	<pre> apiClaimId      string(\$UUID)                 Indicates the uniquely generated ClaimId by UPS                 Capital for the customer requested claim information  claimDetail     ClaimDetail{                 shipDate           string(\$date)                 lossDate          string(\$date)                 lossAmount        string(\$double)                 merchandiseDescription string                 carrier           string                 carrierCode       string                 carrierTrackingNumber string                 billedMerchandiseAmount string(\$double)                  billedShippingCharge string(\$double)                 packagingCharge    string(\$double)             }  claimInfo       ClaimInfo{                 claimsCurrency    string                 claimDetail       string                 billedAmount      string(\$double)                 comments          string                 ref1              string                 ref2              string                 ref3              string                 ref4              string                 ref5              string             }  contactInfo     ContactInfo{                 contactFirstName  string                 contactLastName   string                 contactPhoneNumber string                 contactEmailAddress string             }  secondaryInfo   SecondaryInfo{                 secondaryClaimContactName string                 secondaryClaimAddress1  string                 secondaryClaimAddress2  string                 secondaryClaimCity      string                 secondaryClaimState     string                 secondaryClaimPostalCode string                 secondaryClaimCountryCode string                 secondaryClaimPhoneNumber string                 secondaryClaimEmailAddress string             }         }     </pre>
<p><b>400</b></p>	<p><b>Bad request</b></p> <pre> {     "errors": [     </pre>



	<pre>       {         "errorCode": "400",         "errorMessage": "String"       }     ]   } </pre>
<b>401</b>	<p><b>Unauthorized</b></p> <pre> {   "errors": [     {       "errorCode": "401",       "errorMessage": "String"     }   ] } </pre>

**Example:**

**200 - Successful Operation**

```

{
  "apiClaimId": "a1c90a2d7d0940c995d6e4bea193e395",
  "productId": "1",
  "partnerId": "XXX001",
  "upscCustomerID": "XXX",
  "transactionID": "635470002",
  "claimDetail": {
    "shipDate": "2017-11-20 17:24:23.000",
    "lossDate": "2017-11-22 17:24:23.000",
    "lossAmount": "12312",
    "merchandiseDescription": "TEST",
    "billedShippingCharge": "12312"
  },
  "claimInfo": {
    "claimsCurrency": "USD",
    "claimDetail": "TEST CLAIM",
    "billedAmount": "12312",
    "comments": "TEST COMMENTS",
    "ref1": "86603073",
    "ref2": "1301.00",
    "ref3": "UPSC",
    "ref4": "18",
    "ref5": "N"
  },
  "contactInfo": {
    "contactFirstName": "John",
    "contactLastName": "Doe",
    "contactPhoneNumber": "9999999999",
    "contactEmailAddress": "a@b.com"
  },
  "secondaryInfo": {
    "secondaryClaimContactName": "John Doe",
    "secondaryClaimAddress1": "1002134213 Expressway",
    "secondaryClaimAddress2": "Ste 720",
    "secondaryClaimCity": "Atlanta",

```



```
"secondaryClaimState": "GA",  
"secondaryClaimPostalCode": "123123",  
"secondaryClaimCountryCode": "US",  
"secondaryClaimPhoneNumber": "999999999",  
"secondaryClaimEmailAddress": "a@b.com"  
}
```

#### 400 - Bad request

```
{  
  "errors": [  
    {  
      "errorCode": "400",  
      "errorMessage": " Error.Invalid.Claim.Loss.Amount"  
    }  
  ]  
}
```

#### 401 - Unauthorized

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

## 3.2. Get Claim List

### Get

**Get Claim List:** <https://upscapi.ams1907.com/apis/list/claim/v1/list>

Returns list of claim ID's for a channel partner.

### Request

#### Request Parameters

*No parameters*

#### Request Headers

**Content-Type:** *application/json*

**bearer:** *< secure token issued by API integration team >*

**partnerId:** *Indicates Partner Id, assigned by UPS Capital to the Channel Partner*



## Response

Response Headers	
content type : <i>application/json</i>	
Code	Description
<b>200</b>	<b>successful operation</b> <pre>{   "claimIdList": [     "apiClaimId": "string",     "claimNumber": "string"   ] }</pre>
<b>400</b>	<b>Bad Request</b> <pre>{   "errors": [     {       "errorCode": "400",       "errorMessage": "String"     }   ] }</pre>
<b>401</b>	<b>Unauthorized</b> <pre>{   "errors": [     {       "errorCode": "401",       "errorMessage": "String"     }   ] }</pre>
<b>404</b>	<b>Not Found</b> <pre>{   "errors": [     {       "errorCode": "401",       "errorMessage": "String"     }   ] }</pre>
<b>Example:</b>	
<b>200 - Successful Operation</b> <pre>{   "claimIdList": [     "2ad887e9c6284c928d5d15181bf8d4df",     "P1800350A"   ] }</pre>	



```
]
}
```

### **400 - Bad Request**

```
{
  "timestamp": 1515404080074,
  "status": 400,
  "error": "Bad Request",
  "exception": "org.springframework.web.bind.ServletRequestBindingException",
  "message": "Missing request header 'partnerId' for method parameter of type
String",
  "path": "/v1/claims/list"
}
```

### **401 - Unauthorized**

```
{
  "errors": [
    {
      "errorCode": "401",
      "errorMessage": "Missing Mandatory authentication token : bearer"
    }
  ]
}
```

### **404 - Not Found**

```
{
  "errors": [
    {
      "errorCode": "404",
      "errorMessage": "Claims information is not available"
    }
  ]
}
```



### 3.3. Get Claim Status

#### Get

**Get Claim Status:** [https://upscapi.ams1907.com/apis/list/claim/v1/status {ClaimNumber}](https://upscapi.ams1907.com/apis/list/claim/v1/status/{ClaimNumber})

Example: <https://upscapi.ams1907.com/apis/list/claim/v1/status/P1800350>

Returns current status of the claim for a specified claim number.

#### Request

##### Request Parameters

**claimNumber** : *claim number to fetch the claim status.*

##### Request Headers

**Content-Type:** *application/json*

**bearer:** *< secure token issued by API integration team >*

**partnerId:** *Indicates Partner Id, assigned by UPS Capital to the Channel Partner*

#### Response

##### Response Headers

**content type** : *application/json*

Code	Description
200	<p>successful operation</p> <pre> ClaimStatusReturn{   claimNumber          string   claimStatus          string   transactionId        string   claimDate            string (\$date)   carrierLiabilityAmoun string (\$double)   t   claimedMerchandiseAmo string (\$double)   unt   claimedShippingAmount string (\$double)   paidMerchandiseAmount string (\$double)   paidShippingAmount   string (\$double)   claimInfo            ClaimInfo{                                 claimsCurrency  string                                 claimDetail    string                                 billedAmount   string (\$double)                                 comments       string                                 ref1           string                                 ref2           string                                 ref3           string                                 ref4           string                                 ref5           string </pre>



	<pre> } } </pre>
<b>401</b>	<p><b>Unauthorized</b></p> <pre> {   "errors": [     {       "errorCode": "401",       "errorMessage": "String"     }   ] } </pre>
<b>404</b>	<p><b>Not Found</b></p> <pre> {   "errors": [     {       "errorCode": "404",       "errorMessage": "String"     }   ] } </pre>

**Example:**

**200 - Successful Operation**

```

{
  "claimNumber": "1234",
  "claimStatus": "CONFIRMED",
  "transactionId": "635470002",
  "claimDate": "2018-01-09T05:06:04.281-0500",
  "carrierLiabilityAmount": "1000",
  "claimedMerchandiseAmount": "101",
  "claimedShippingAmount": "102",
  "paidMerchandiseAmount": "103",
  "paidShippingAmount": "104",
  "claimInfo": {
    "claimsCurrency": "USD",
    "claimDetail": "TEST CLAIM",
    "billedAmount": "12312",
    "comments": "TEST COMMENTS",
    "ref1": "86603073",
    "ref2": "1301.00",
    "ref3": "UPSC",
    "ref4": "18",
    "ref5": "N"
  }
}

```

**401 - Unauthorized**

```

{

```



```
"errors": [  
  {  
    "errorCode": "401",  
    "errorMessage": "Missing Mandatory authentication token : bearer"  
  }  
]
```

#### **404 - Not Found**

```
{  
  "errors": [  
    {  
      "errorCode": "401",  
      "errorMessage": "Claim Information is not available."  
    }  
  ]  
}
```



UPS Capital®

## UPS Capital Insurance Program Technical Implementation Reference Guide

# Invoice Service - APIs

### 4. Invoice Service - URLs

UPS Capital Invoice Coverage API

The API's purpose is to allow customers to get the invoice details, list of invoices and the summary of all the invoices for a Channel Partner.

**Base URL:** <https://upscapi.ams1907.com/apis/list/invoice/v1>

**Schemes:** HTTPS

#### 4.1. Get Invoice Details

**Get**

**/**{invoiceId}

Example: <https://upscapi.ams1907.com/apis/list/invoice/v1/5774870>

This method allows the Channel Partner to retrieve invoice details based on the Invoice ID.

**Request**

#### Request Parameters

**body** \* (not required)

**invoiceId**-> Passed in the URL

#### Request Headers

**Content-Type:** *application/json*

**bearer:** < secure token issued by API integration team >

**partnerId:** *Indicates Partner Id, assigned by UPS Capital to the Channel Partner*

**Response**

#### Response Headers

**content type :** *application/json*

Code	Description
<b>200</b>	<b>successful operation</b> <pre>{   "productId": "string",   "partnerId": "string",   "customerId": "string",   "transactionID": "string",</pre>



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	<pre>"serviceDate": "string", "serviceDescription": "string", "serviceCharge": 0, "serviceChargeType": "string", "billingRef1": "string", "billingRef2": "string", "billingRef3": "string", "billingRef4": "string", "billingRef5": "string", "currency": "string" }</pre>
<b>400</b>	<b>Bad request</b> <pre>{   "errors": [     {       "errorCode": "400",       "errorMessage": "String"     }   ] }</pre>
<b>401</b>	<b>Unauthorized</b> <pre>{   "errors": [     {       "errorCode": "401",       "errorMessage": "String"     }   ] }</pre>
<b>404</b>	<b>Not Found</b> <pre>{   "errors": [     {       "errorCode": "404",       "errorMessage": "String"     }   ] }</pre>
<b>Example:</b> <i>200 - Successful Operation</i> <pre>{   "partnerId": "XXX001",   "productId": "1",   "customerId": "XXX",</pre>	



```
"transactionId": "001",  
"serviceDate": "2017-12-12 17:24:23.11",  
"serviceDescription": "NA",  
"serviceCharge": "555",  
"serviceChargeType": "String",  
"billingRef1": "0",  
"billingRef2": "0",  
"billingRef3": "0",  
"billingRef4": "0",  
"billingRef5": "0",  
"billingCurrency": "0"  
}
```

#### **400 - Invalid Payload format**

```
{  
  "timestamp": 1513754195572,  
  "status": 400,  
  "error": "Bad Request",  
  "exception": "org.springframework.web.bind.MissingServletRequestParameterException",  
  "message": "Required String parameter 'invoiceId' is not present",  
  "path": "/v1/invoices/"  
}
```

#### **401 - Unauthorized**

```
{  
  "errors": [  
    {  
      "errorCode": "401",  
      "errorMessage": "Missing Mandatory authentication token : bearer"  
    }  
  ]  
}
```

#### **404 - Not Found**

```
{  
  "errors": [  
    {  
      "errorCode": "404",  
      "errorMessage": "Invoice information is not available"  
    }  
  ]  
}
```

### 4.2. Get Invoice List

**Get**  
**/list**

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

This method allows the Channel Partner to retrieve a list of invoices.

#### Request

##### Request Parameters

*No parameters*

##### Request Headers

**Content-Type:** *application/json*

**bearer:** *< secure token issued by API integration team >*

**partnerId:** *Indicates Partner Id, assigned by UPS Capital to the Channel Partner*

#### Response

##### Response Headers

**content type :** *application/json*

Code	Description
<b>200</b>	<p><b>successful operation</b></p> <pre>{   "invoiceInfoList": [     {       "invoiceId": "string",       "invoiceDate": "string"     },     {       "invoiceId": " string",       "invoiceDate": "string"     }   ] }</pre>
<b>401</b>	<p><b>Unauthorized</b></p> <pre>{   "errors": [     {       "errorCode": "401",       "errorMessage": "String"     }   ] }</pre>





	}
<b>404</b>	<b>Not Found</b> <pre>{   "errors": [     {       "errorCode": "404",       "errorMessage": "String"     }   ] }</pre>

**Example:**

**200 - Successful Operation**

```
{
  "invoiceInfoList": [
    {
      "invoiceId": "20171201",
      "invoiceDate": "2017-12-12 17:24:23.11"
    },
    {
      "invoiceId": "20171204",
      "invoiceDate": "2017-12-12 17:24:23.11"
    }
  ]
}
```

**401 - Unauthorized**

```
{
  "errors": [
    {
      "errorCode": "401",
      "errorMessage": "Missing Mandatory authentication token : bearer"
    }
  ]
}
```

**404 - Not Found**

```
{
  "errors": [
    {
      "errorCode": "404",
      "errorMessage": "Invoice information is not available"
    }
  ]
}
```

### 4.3. Get All Invoices

#### Get

**/all?invoiceDate= YYYY-MM-DD**

Example: <https://upscapi.ams1907.com/apis/list/invoice/v1/all?invoiceDate=2018-01-01>

This method allows the Channel Partner to retrieve invoice information by date.

#### Request

##### Request Parameters

**invoiceDate** : invoice date to get invoices for a date. FMT: YYYY-MM-DD e.g. 2015-03-05

##### Request Headers

**Content-Type**: application/json

**bearer**: < secure token issued by API integration team >

**partnerId**: Indicates Partner Id, assigned by UPS Capital to the Channel Partner

#### Response

##### Response Headers

**content type** : application/json

Code	Description
<b>200</b>	<p><b>successful operation</b></p> <pre>{   "productId": "string",   "customerCount": "string",   "customer": [     {       "customerId": "string",       "currency": "string",       "totalBillingCount": "string",       "totalServiceCharge": "string",       "billingDetail": [         {           "transactionId": "string",           "serviceDate": "string",           "serviceDescription": "string",           "serviceCharge": "string",           "serviceChargeType": 0,           "billingRef1": "string",           "billingRef2": "string",           "billingRef3": "string",           "billingRef4": "string",           "billingRef5": "string"         }       ]     }   ] }</pre>



	<pre>     }   ] } ] } </pre>
<b>400</b>	<p><b>Bad request</b></p> <pre> {   "errors": [     {       "errorCode": "400",       "errorMessage": "string"     }   ] } </pre>
<b>401</b>	<p><b>Unauthorized</b></p> <pre> {   "errors": [     {       "errorCode": "401",       "errorMessage": "String"     }   ] } </pre>
<b>404</b>	<p><b>Not Found</b></p> <pre> {   "errors": [     {       "errorCode": "404",       "errorMessage": "String"     }   ] } </pre>

**Example:**

**200 - Successful Operation**

```

{
  "productId": "1",
  "customerCount": "2",
  "customer": [
    {
      "customerId": "XX394183",
      "currency": "USD",
      "totalBillingCount": "2",
      "totalServiceCharge": "23.5",
      "billingDetail": [

```



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```

        {
            "transactionId": "XX7485242",
            "serviceDate": "2014-07-09 12:00:00.000",
            "serviceDescription": "Invoiced",
            "serviceCharge": "11.50",
            "serviceChargeType": "1"
            "billingRef1": "",
            "billingRef2": "",
            "billingRef3": "",
            "billingRef4": "2342",
            "billingRef5": "YHD"
        },
        {
            "transactionId": "XX7485242",
            "serviceDate": "2014-07-09 12:00:00.000",
            "serviceDescription": "Invoiced",
            "serviceCharge": "11.50",
            "serviceChargeType": "1",
            "billingRef1": "",
            "billingRef2": "",
            "billingRef3": "",
            "billingRef4": "2342123",
            "billingRef5": "YHD123"
        }
    ]
},
{
    "customerId": "XX394184",
    "currency": "USD",
    "totalBillingCount": "1",
    "totalServiceCharge": "11.5",
    "billingDetail": [
        {
            "transactionId": "XX7485242",
            "serviceDate": "2014-07-09 12:00:00.000",
            "serviceDescription": "Invoiced",
            "serviceCharge": "11.50",
            "serviceChargeType": "1",
            "billingRef1": "",
            "billingRef2": "",
            "billingRef3": "12321",
            "billingRef4": "2342",
            "billingRef5": "YHD"
        }
    ]
}
]
}
404 - Bad request
{
    "errors": [

```



```
{  
  "errorCode": "400",  
  "errorMessage": "Invoice Date is not valid."  
}  
]  
}
```

#### **401 - Unauthorized**

```
{  
  "errors": [  
    {  
      "errorCode": "401",  
      "errorMessage": "Missing Mandatory authentication token : bearer"  
    }  
  ]  
}
```

#### **404 - Not Found**

```
{  
  "errors": [  
    {  
      "errorCode": "404",  
      "errorMessage": "Invoice information is not available"  
    }  
  ]  
}
```



UPS Capital®

# Payment Service APIs

## 5. Payment Service URLs

UPS Capital Payment Coverage API

The API's purpose is to allow customers to send payment remittance and confirm the payments.

**Base URL:** <https://upscapi.ams1907.com/apis/list/payment/v1>

**Schemes:** HTTPS

### 5.1. Payment Remittances

**Post**

**/payments**

Example: <https://upscapi.ams1907.com/apis/list/invoice/v1/5774870>

This allows customers to send payment remittance for Channel Partner invoices.

**Request**

#### Request Parameters

**Body:** *required*

#### Request Headers

**Content-Type:** *application/json*

**bearer:** *< Token generated by Partner Id >*

**partnerId:** *Indicates Partner Id, assigned by UPS Capital to the Channel Partner*

#### Model

```

payment{
  productId                String
                          Required
                          Indicates Product Id value assigned by UPS Capital, by c
                          for Channel Partners
  upscCustomerId           String
                          Required
                          Indicates Franchise Identifier assigned by UPS Capital
  paymentRemittanceCurrency String
                          Required
                          Payments currency ex: USD
  paymentRemittanceDate   string($date)
                          Required
                          Indicates Payment date.
                          Fmt: YYYY-MM-DD HH:MM:SS.ms
                          Eg: "2017-10-20 17:24:23.000"
  transactionId            String
                          Required
                          Indicates unique identifier of the customer transaction
                          Channel Partner IT System
  paymentRemittanceAmount number($double)
                          Required
                          Payment Amount
}

```



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```

paymentReturn{
  productId          String
                    Indicates Product Id value assigned by UPS
                    Capital, by default 1 for Channel Partners

  upscCustomerId    String
                    Indicates Franchise Identifier assigned by UPS Capital

  apiPaymentSequence String ($UUID)
                    Indicates uniquely created payment id for summary remittance
                    payment

  paymentRemittanceCurrency String
                    Payments currency ex: USD
  paymentRemittanceDate string($date)
                    Indicates Payment date.
                    Fmt: YYYY-MM-DD HH:MM:SS.ms
                    Eg: "2017-10-20 17:24:23.000"

  transactionId     String
                    Indicates unique identifier of the customer transaction from
                    Channel Partner IT System

  paymentRemittanceAmount number($double)
                    Payment Amount

  paymentDetails{
    apiPaymentId      string($UUID)
                    Unique generated UPS Capital payment
                    transaction ID

    transactionId     String
                    Indicates unique identifier of the
                    transaction from Channel Partner I

    paymentRemittanceAmount number($double)
                    Payment Amount
  }
}

```

### Example:

```

Payment:
{
  "upscCustomerId": "PP",
  "productId": "01",
  "paymentRemittanceCurrency": "PWE",
  "transactionId": "9900001",
  "paymentRemittanceDate": "2018-10-03 10:06:23.000",
  "paymentRemittanceAmount": "1110"
}

PaymentReturn:
{
  "productId": "01",
  "upscCustomerId": "PP",
  "apiPaymentSequence": "XXX00120181003",
  "paymentRemittanceCurrency": "PWE",
  "paymentRemittanceDate": "2018-10-03 10:06:23.000",
  "paymentRemittanceCount": "2",

```





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```

"paymentRemittanceTotalAmount": "2220.0",
"paymentDetails": [
  {
    "apiPaymentId": "bd251266b7124d0596f89a53150a9c12",
    "transactionId": "9900001",
    "paymentRemittanceAmount": "1110"
  },
  {
    "apiPaymentId": "e8e8db83402744939c47df27ffd56d90",
    "transactionId": "9900002",
    "paymentRemittanceAmount": "1110"
  }
]
}

```

## Response

### Response Headers

content type : *application/json*

Code	Description
200	<b>successful operation</b> <pre> {   "productId": "string",   "upscCustomerId": "string",   "apiPaymentSequence": "string",   "paymentRemittanceCurrency": "string",   "paymentRemittanceCount": "string",   "paymentRemittanceTotalAmount": 0,   "paymentRemittanceDate": "string",   "paymentDetail": [     {       "apiPaymentId": "string",       "transactionId": "string",       "paymentRemittanceAmount": 0     }   ] } </pre>
400	<b>Bad request</b> <pre> {   "errors": [     {       "errorCode": "400",       "errorMessage": "string"     }   ] } </pre>



<b>401</b>	<b>Unauthorized</b> <pre>{   "errors": [     {       "errorCode": "401",       "errorMessage": "String"     }   ] }</pre>
<b>404</b>	<b>Not Found</b> <pre>{   "errors": [     {       "errorCode": "404",       "errorMessage": "String"     }   ] }</pre>

### Example:

```
200 - Successful Operation
{
  "productId": "01",
  "upscCustomerId": "PP",
  "apiPaymentSequence": "XXX00120181003",
  "paymentRemittanceCurrency": "PWE",
  "paymentRemittanceDate": "2018-10-03 10:06:23.000",
  "paymentRemittanceCount": "1",
  "paymentRemittanceTotalAmount": "1110.0",
  "paymentDetails": [
    {
      "apiPaymentId": "e8e8db83402744939c47df27ffd56d90",
      "transactionId": "9900001",
      "paymentRemittanceAmount": "1110"
    }
  ]
}

404 - Bad request
{
  "errors": [
    {
      "errorCode": "400",
      "errorMessage": "Error.Transaction.Invalid.or.Null"
    }
  ]
}

401 - Unauthorized
```



```
{  
  "errors": [  
    {  
      "errorCode": "401",  
      "errorMessage": "Missing Mandatory authentication token : bearer"  
    }  
  ]  
}
```

# Get Commodity All - APIs

## 6. Get Commodity All

### Get Commodity All

GET

**EXAMPLE:** <https://upscapi.ams1907.com/apis/list/commodity/v1/all>

API to allows channel partner to retrieve all commodities.

### Request

#### Request Headers

**Content-Type:** *application/json*

**bearer:** < *secure token issued by API integration team* >

**artnerId:** *Indicates Partner Id, assigned by UPS Capital to the Channel Partner*

### Response

#### Response Headers

**content type :** *application/json*

Code	Description
<b>200</b>	<p><b>successful operation</b></p> <pre>{   "commodityList": [     {       "commodityID": " String ",       "commodityName": " String ",       "commodityDescription": " String ",       "deductible": " String ",       "newTermsAndConditions": " String",       "usedTermsAndConditions": " String",       "shipmentType": " String"     },   ] }</pre>
<b>400</b>	<p><b>Bad request</b></p> <pre>{   "errors": [     {       "errorCode": "400",       "errorMessage": "string"     }   ] }</pre>
<b>401</b>	<p><b>Unauthorized</b></p> <pre>{   "errors": [     {       "errorCode": "401",       "errorMessage": "String"     }   ] }</pre>



**404**

**Not Found**

```
{
  "errors": [
    {
      "errorCode": "404",
      "errorMessage": "String"
    }
  ]
}
```

### Example:

#### 200 - Successful Operation

```
{
  "commodityList": [
    {
      "commodityID": "400",
      "commodityName": "General Merchandise",
      "commodityDescription": "General Merchandise",
      "deductible": "2.5% of Total Insured Value ($250 Minimum)",
      "newTermsAndConditions": "All Risk Coverage with the following exclusions..",
      "usedTermsAndConditions": "All Risk Coverage with the following exclusions..",
      "shipmentType": "|FTL/FCL|"
    },
    {
      "commodityID": "400",
      "commodityName": "General Merchandise",
      "commodityDescription": "General Merchandise",
      "deductible": "2.5% of Total Insured Value ($250 Minimum)",
      "newTermsAndConditions": "All Risk Coverage with the following exclusions..",
      "usedTermsAndConditions": "All Risk Coverage with the following exclusions..",
      "shipmentType": "|LTL/LCL|"
    }
  ]
}
```

#### 400 - Bad request

```
{
  "errors": [
    {
      "errorCode": "400",
      "errorMessage": "Commodity information is not available.."
    }
  ]
}
```

#### 401 - Unauthorized

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



```
]
}

404 - Not Found
{
  "errors": [
    {
      "errorCode": "404",
      "errorMessage": "Not found"
    }
  ]
}
```

# Error Messages

## 7.1 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





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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 Principle 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	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
Notice to File Claim	Invalid Loss amount	400	Error.Invalid.Claim.Loss.Amount



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Notice to File Claim	NULL Loss amount	400	Error.Missing.Claims.Loss.Amount
Notice to File Claim	Invalid Transaction Id	400	Error.Invalid.Transaction.Id
Notice to File Claim	NULL Transaction Id	400	Error.Missing.Transaction.Id
GetInvoice List	No Invoice present in Couchbase	404	Invoice information is not available
GetInvoice Details	No Invoice present in Couchbase	404	Invoice information is not available
Notice to File Claim	First Name is NULL	400	Error.Missing.Claim.Contact.First.Name
Notice to File Claim	Last Name is NULL	400	Error.Missing.Claim.Contact.Last.Name
Notice to File Claim	Phone Number is NULL	400	Error.Missing.Claim.Contact.Phone.Number
Notice to File Claim	Email ID is NULL	400	Error.Missing.Claim.Contact.Email
Notice to File Claim	Invalid Currency	400	Error.Invalid.Claim.Currency
Notice to File Claim	NULL Currency	400	Error.Missing.Claim.Currency

## 7.2 Field Validations

Field Name	Validations
All Address Fields - Name	Alphanumeric; Only the following special characters are allowed: - + & () / , ~ ` # . : ; " * '
All Address Fields - City	Alphabetical



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All Address Fields- Address 1,2	Alphanumeric; Only the following special characters are allowed: - + & () / , ~ ` # . . : ; " * ' ' .
All Address Fields - State	Valid US State Code for US, CA, or PR Country Code
All Address Fields - Country	Alphabetical
ProductId	Numeric
Location	Alphanumeric
Shipper Principle	Alphanumeric; Only the following special characters are allowed: - + & () / , ~ ` # . . : ; " * ' ' .
Payables Attention To	Alphanumeric; Only the following special characters are allowed: - + & () / , ~ ` # . . : ; " * ' ' .
PartnerId	Alphanumeric
UpscCustomerId	Alphanumeric
TransactionId	Numeric
Status	Confirmed/Unconfirmed/Void
ShipperId	Alphanumeric
ShipperName	Alphanumeric; Only the following special characters are allowed: - + & () / , ~ ` # . . : ; " * ' ' .
Carrier	Alphanumeric
ShipDate	Date/Validation
Bol	Numeric
InsuredValue	Decimal
CommodityCodeType	Alphanumeric
CommodityCode	Numeric
Oversize/usedGoods	Y/N
ModeOfTransport	Numeric
ConsigneeName	Alphanumeric; Only the following special characters are allowed: - + & () / , ~ ` # . . : ; " * ' ' .
InsuranceAuthorization	Numeric
TrackingNumber	Numeric
Description	None
TransactionType	Numeric
ShipmentType	Numeric
Contact First Name	Alphanumeric; Only the following special characters are allowed: - + & () / , ~ ` # . . : ; " * ' ' .
Contact Last Name	Alphanumeric; Only the following special characters are allowed: - + & () / , ~ ` # . . : ; " * ' ' .



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Secondary Contact Name	Alphanumeric; Only the following special characters are allowed: - + & () / , ~ ` # . : ; " * '
------------------------	---