



# **ACI Booking Services**

## Developer Guide v1.3

# Contents

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- 1 ACI Quote Web Services..... 3
- 2 ACI Booking Web Services..... 8
- 3 ACI Status Web Services..... 14

# 1. ACI Quote Web Services

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## 1.1 Introduction

Quote Web Service offers facility for users to view rate for their transport from origin to destination based on pickup and destination zip codes.

This section provides an overview on implementing and interfacing with the web services.

## 1.2 Protocol

The Quote Web Service is deployed as a XML web service. Users provide a properly formatted XML request to the web application will receive XML responses.

### 1.2.1 Connection Strings

The following table list URL needed to connect to the Quote Web Service.

- [https://www.aircargocommunities.com/Freight\\_quote.php](https://www.aircargocommunities.com/Freight_quote.php)

### 1.2.2 Process Steps

The following steps should be followed to get details from the web service.

#### Step # 1: Send request to the Quote Web Service

Simply send your request in complete XML to URL specified in Section 2.1 to begin making requests to the application. Please refer to Appendix A for information on what to pass for the request.

#### Step # 2: Consume Quote Web Service response

Once the request is processed an xml-formatted response will be returned. Please refer to Appendix B for details of the XML response format.

If the request failed or an error encountered then an xml error will be generated indicating the cause of the failure or error. Please refer Appendix C for error response. (Please see Appendix D for error details).

## Appendix A: Ordering XML string

The following is a sample quote request string

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<SOAP-ENV:Envelope SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <ns5172:BookMyCargo xmlns:ns5172="http://tempuri.org">
      <LoginDetails>
        <userName xsi:type="xsd:string">test@test.com</userName>
```

```

    <passWord xsi:type="xsd:string">test</passWord>
  </LoginDetails>
  <Pickup>
    <Zip xsi:type="xsd:string">10001</Zip>
  </Pickup>
  <Delivery>
    <Zip xsi:type="xsd:string">90001</Zip>
  </Delivery>
  <CargoInfo>
    <item xsi:type="SOAP-ENC:Array" SOAP-ENC:arrayType="unnamed_struct_use_soapval[1]">
      <item>
        <x_pieces xsi:type="xsd:string">1</x_pieces>
        <x_weight xsi:type="xsd:string">100</x_weight>
        <x_length xsi:type="xsd:string">50</x_length>
        <x_width xsi:type="xsd:string">50</x_width>
        <x_height xsi:type="xsd:string">50</x_height>
      </item>
    </item>
  </CargoInfo>
  <Weight xsi:type="xsd:string">100</Weight>
  <AddNote xsi:type="xsd:string"></AddNote>
  <Assessorials>
    <Liftgate xsi:type="xsd:string">y</Liftgate>
    <InsideDelivery xsi:type="xsd:string">y</InsideDelivery>
  </Assessorials>
</ns5172:BookMyCargo>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Note: While posting xml request please ensure you pass userName, password, Zip, Zip and Weight

Name	DD XML Mapping	Description text	Mandatory?
userName	LoginDetails /userName	Username	Y
passWord	LoginDetails /passWord	Password	Y
Zip	Pickup / Zip	Pickup Zip	Y
Zip	Delivery / Zip	Delivery Zip	Y
x_pieces	CargoInfo/ item/ x_pieces	Pieces	N
x_weight	CargoInfo/ item/ x_weight	Weight	N
x_length	CargoInfo/ item/ x_length	Length	N

x_width	CargoInfo/ item/ x_width	Width	N
x_height	CargoInfo/ item/ x_height	Height	N
Weight	Weight	Weight	Y
AddNote	AddNote	Add Notes	N
Liftgate	Assessorials/Liftgate	Liftgate Can be y/n	N
InsideDelivery	Assessorials/ InsideDelivery	InsideDelivery Can be y/n	N

## Appendix B: Result XML

After a successful request has been made, the XML response will return string representing the Rates details. A sample Quote Web Service response is below. Schemas are available upon request.

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<SOAP-ENV:Envelope SOAP-ENV:encodingStyle="Array" xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <Pickup xsi:type="xsd:ur-type" Array>
      <QuoteDetails>
        <Quoteid>16</Quoteid>
        <Transactions>
          <TransDetail>
            <Transid>447</Transid>
            <Agent_Name>American Airlines ...</Agent_Name>
            <Type>Air Carrier</Type>
            <Price>$358.00</Price>
            <Transit_time>1-2 Days</Transit_time>
          </TransDetail>
          <TransDetail>
            <Transid>442</Transid>
            <Agent_Name>Fastexact</Agent_Name>
            <Type>Expedited</Type>
            <Price>$3,805.00</Price>
            <Transit_time>35 Hours</Transit_time>
          </TransDetail>
          <TransDetail>
            <Transid>441</Transid>
            <Agent_Name>Aircargo Inc</Agent_Name>
            <Type>Ground Carrier</Type>
            <Price>$292.00</Price>
            <Transit_time>4 Days</Transit_time>
          </TransDetail>
        </Transactions>
      </QuoteDetails>
    </Pickup>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

```
</Transactions>
  <Quote_datetime>03/28/2018 10:27:28 am</Quote_datetime>
</QuoteDetails>
</Pickup>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## **Appendix C: XMLException**

If a failure occurs, either system or validation, anXMLException response is returned.

```
<?xml version="1.0" encoding="UTF-8"?>
<ErrorMsg>Invalid Login Details</ErrorMsg>
```

## **Appendix D: General Errors**

1. Please Provide Valid Login,Pickup, Delivery and Weight Details.
2. Invalid Login Details.
3. Sorry! Your request did not return any shipping options.

## 2. ACI Booking Web Services

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## 2.1.0 Introduction

ACI Booking Web Services offers facility for users to book service to deliver any goods from pickup location to destination.

This section provides an overview on implementing and interfacing with the web services.

## 2.2.0 Protocol

ACI Booking Web Services is deployed as a XML web service. Users provide a properly formatted XML request to the web application will receive XML responses.

### 2.2.1 Connection Strings

The following table list URL needed to connect to the ACI Booking Web Service.

- [https://www.aircargocommunities.com/Freight\\_book.php](https://www.aircargocommunities.com/Freight_book.php)

### 2.2.2 Process Steps

The following steps should be followed to get details from the web service.

#### Step # 1: Send request to the ACI Booking Web Service

Simply send your request in complete XML to URL specified in Section 2.1 to begin making requests to the application. Please refer to Appendix A for information on what to pass for the request.

#### Step # 2: Consume ACI Booking Web Service response

Once the request is processed an xml-formatted response will be returned. Please refer to Appendix B for details of the XML response format.

If the request failed or an error encountered then an xml error will be generated indicating the cause of the failure or error. Please refer Appendix C for error response. (Please see Appendix D for error details).

## Appendix A: Ordering XML string

The following is a sample ACI Booking Web Service request string

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<SOAP-ENV:Envelope SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <ns7377:BookMyCargo xmlns:ns7377="http://tempuri.org">
      <LoginDetails>
```

```

<userName xsi:type="xsd:string">test@test.com</userName>
<passWord xsi:type="xsd:string">test</passWord>
</LoginDetails>
<Pickup>
  <Name xsi:type="xsd:string">John Doe</Name>
  <Street xsi:type="xsd:string">woodstock lane1</Street>
  <Zip xsi:type="xsd:string">10001</Zip>
  <Phone xsi:type="xsd:string">123-456-7892</Phone>
  <Date xsi:type="xsd:string">03/29/2018</Date>
</Pickup>
<Delivery>
  <Name xsi:type="xsd:string">Jane Doe</Name>
  <Street xsi:type="xsd:string">Forest lane</Street>
  <Zip xsi:type="xsd:string">90001</Zip>
  <Phone xsi:type="xsd:string">123-456-8792</Phone>
</Delivery>
<CargoInfo>
  <item xsi:type="SOAP-ENC:Array" SOAP-ENC:arrayType="unnamed_struct_use_soapval[1]">
    <item>
      <x_pieces xsi:type="xsd:string">1</x_pieces>
      <x_weight xsi:type="xsd:string">100</x_weight>
      <x_length xsi:type="xsd:string">50</x_length>
      <x_width xsi:type="xsd:string">50</x_width>
      <x_height xsi:type="xsd:string">50</x_height>
    </item>
  </item>
</CargoInfo>
<Weight xsi:type="xsd:string">100</Weight>
<AddNote xsi:type="xsd:string">Some test note</AddNote>
<quote_id xsi:type="xsd:string">16</quote_id>
<trans_id xsi:type="xsd:string">441</trans_id>
<Assessorials>
  <Liftgate xsi:type="xsd:string">y</Liftgate>
  <InsideDelivery xsi:type="xsd:string">y</InsideDelivery>
</Assessorials>
</ns7377:BookMyCargo>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Note: While posting xml request please ensure you pass userName, password, Zip, Zip, Weight, quote\_id and trans\_id

Name	DD XML Mapping	Description text	Mandatory?
userName	LoginDetails /userName	Username	Y
passWord	LoginDetails /passWord	Password	Y
Name	Pickup / Name	Pickup Name	N
Street	Pickup / Street	Pickup Street	N
Zip	Pickup / Zip	Pickup Zip	Y
Phone	Pickup / Phone	Pickup Contact	N
Date	Pickup / Date	Pickup Date	N
Name	Delivery / Name	Delivery Name	N
Street	Delivery / Street	Delivery Street	N
Zip	Delivery / Zip	Delivery Zip	Y
Phone	Delivery / Phone	Delivery Contact	N
x_pieces	CargoInfo/ item/ x_pieces	Pieces	N
x_weight	CargoInfo/ item/ x_weight	Weight	N
x_length	CargoInfo/ item/ x_length	Length	N
x_width	CargoInfo/ item/ x_width	Width	N
x_height	CargoInfo/ item/ x_height	Height	N
Weight	Weight	Weight	Y
AddNote	AddNote	Add Notes	N
quote_id	quote_id	quote_id received from previous web service	Y
trans_id	trans_id	trans_id received from previous web service	Y
Liftgate	Assessorials/Liftgate	Liftgate Can be y/n	N
InsideDelivery	Assessorials/ InsideDelivery	InsideDelivery Can be y/n	N

## Appendix B: Result XML

After a successful request has been made, the XML response will return string representing the Booking details. A sample ACI Booking Web Service response is below. Schemas are available upon request.

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<SOAP-ENV:Envelope SOAP-ENV:encodingStyle="Array" xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <Pickup xsi:type="xsd:ur-type"Array>
      <BookingDetails>
        <Bookingid>0000000010</Bookingid>
        <Transaction>
          <TransDetail>
            <Agent_Name>Aircargo Inc</Agent_Name>
            <Type>Ground Carrier</Type>
            <Price>$292.00</Price>
            <Transit_time>4 Days</Transit_time>
            <InsideDelivery>Yes</InsideDelivery>
            <Liftgate>Yes</Liftgate>
          </TransDetail>
        </Transaction>
        <Book_datetime>03/28/2018 10:54:17 am</Book_datetime>
        <Pickup Details>
          <Pickup Address1>John Doe</Pickup Address1>
          <Pickup Address2>woodstock lane1</Pickup Address2>
          <Pickup Zip>10001</Pickup Zip>
          <Pickup Contact>123-456-7892</Pickup Contact>
          <Pickup Date>03/29/2018</Pickup Date>
        </Pickup Details>
        <Delivery Details>
          <Delivery Address1>Jane Doe</Delivery Address1>
          <Delivery Address2>Forest lane</Delivery Address2>
          <Delivery Zip>90001</Delivery Zip>
          <Delivery Contact>123-456-8792</Delivery Contact>
        </Delivery Details>
      </BookingDetails>
    </Pickup>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## **Appendix C: XMLException**

If a failure occurs, either system or validation, an XMLException response is returned.

```
<?xml version="1.0" encoding="UTF-8"?>  
<ErrorMsg>Invalid Login Details</ErrorMsg>
```

## **Appendix D: General Errors**

1. Please Provide Valid Login,Pickup, Delivery and Weight Details.
2. Invalid Login Details.
3. Sorry! Your request did not return any shipping options.
4. Quote details not found.

## 3. ACI Status Web Services

---

### 3.1.0 Introduction

ACI Status Web Services offers facility for users to check their Booking status.

This section provides an overview on implementing and interfacing with the web services.

### 3.2.0 Protocol

ACI Status Web Service is deployed as a XML web service. Users provide a properly formatted XML request to the web application will receive XML responses.

#### 3.2.1 Connection Strings

The following table list URL needed to connect to the ACI Status Web Service.

- [https://www.aircargocommunities.com/Freight\\_status.php](https://www.aircargocommunities.com/Freight_status.php)

#### 3.2.2 Process Steps

The following steps should be followed to get details from the web service.

##### Step # 1: Send request to the ACI Status Web Service

Simply send your request in complete XML to URL specified in Section 2.1 to begin making requests to the application. Please refer to Appendix A for information on what to pass for the request.

##### Step # 2: Consume ACI Status Web Service response

Once the request is processed an xml-formatted response will be returned. Please refer to Appendix B for details of the XML response format.

If the request failed or an error encountered then an xml error will be generated indicating the cause of the failure or error. Please refer Appendix C for error response. (Please see Appendix D for error details).

### Appendix A: Ordering XML string

The following is a sample

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<SOAP-ENV:Envelope SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <ns2273:Getstatus xmlns:ns2273="http://tempuri.org">
      <LoginDetails>
        <userName xsi:type="xsd:string">test@test.com</userName>
        <passWord xsi:type="xsd:string">test</passWord>
```

```

    </LoginDetails>
    <Bookingid xsi:type="xsd:string">0000000010</Bookingid>
  </ns2273:Getstatus>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Note: While posting xml request please ensure you pass userName, passWord and Bookingid

Name	DD XML Mapping	Description text	Mandatory?
userName	LoginDetails /userName	Username	Y
passWord	LoginDetails /passWord	Password	Y
Bookingid	Bookingid	Bookingid received from ACI Booking webservice	Y

## Appendix B: Result XML

After a successful request has been made, the XML response will return string representing the Booking details. A sample ACI Status Web Service response is below. Schemas are available upon request.

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<SOAP-ENV:Envelope SOAP-ENV:encodingStyle="Get status" xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <Bookingid xsi:type="xsd:ur-type"Get status>
      <BookingStatus>
        <BookingID>0000000010</BookingID>
        <Type>Ground Carrier</Type>
        <Status>Completed</Status>
        <StatusNote>Completed</StatusNote>
        <Location>90001</Location>
        <Processed>1</Processed>
      </BookingStatus>
    </Bookingid>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```



## **Appendix C: XMLException**

If a failure occurs, either system or validation, an XMLException response is returned.

```
<?xml version="1.0" encoding="UTF-8"?>  
<ErrorMsg>Invalid Login Details</ErrorMsg>
```

## **Appendix D: General Errors**

1. Enter Bookingid.
2. Invalid Login Details.