



ACI Additional Web Services

Developer Guide v1.1

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1. ACI Airport Search Services

1.1 Introduction

ACI Airport Search Services offers facility for users to view various Airports available for given zipcode.

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

1.2 Protocol

ACI Airport Search System 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 Suggestive Rates System.

- https://www.aircargocommunities.com/ACI_ZipAirport_document_server.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 ACI Airport Search Web Service

Simply send your request in complete XML to URL specified in Section 1.2.1 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 Airport Search 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 airport search 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>
    <ns6307:GetZipAirPortDetails xmlns:ns6307="http://tempuri.org">
      <userName>aircargotest</userName>
      <passWord>aircargotest</passWord>
      <zipCode>77063</zipCode>
      <country>USA</country>
```

```

    </ns6307:GetZipAirPortDetails>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Note: While posting xml request please ensure you pass username, password and zipcode

Name	DD XML Mapping	Description text	Mandatory?
userName	userName	Username	Y
passWord	passWord	Password	Y
zipCode	zipCode	Zipcode	Y
country	country	Country Accepted values: USA / UNITED STATES CAN / CANADA MX / MEXICO	N

Appendix B: Result XML

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

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<SOAP-ENV:Envelope 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>
    <ns1:GetZipAirPortDetailsResponse xmlns:ns1="http://tempuri.org"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <parameters xsi:type="xsd:ur-type">
        <ACIroot>
          <SearchDetail>
            <Zip>77063</Zip>
          </SearchDetail>
          <SearchCount>5</SearchCount>
          <ZipAirportMiles>
            <row>
              <Point>Houston, TX</Point>
              <ZIP>77063</ZIP>
              <Airport>ACT</Airport>
              <AirportName>WACO / ACT</AirportName>
              <AirportZip>76708</AirportZip>
              <DrivingMiles>186</DrivingMiles>
              <MCArea></MCArea>
              <LineHaulAP></LineHaulAP>
              <AirportType>Regional</AirportType>
            </row>
          </ZipAirportMiles>
        </ACIroot>
      </parameters>
    </ns1:GetZipAirPortDetailsResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

```

</row>
<row>
  <Point>Houston, TX</Point>
  <ZIP>77063</ZIP>
  <Airport>AUS</Airport>
  <AirportName>AUSTIN / AUS</AirportName>
  <AirportZip>78719</AirportZip>
  <DrivingMiles>148</DrivingMiles>
  <MCArea></MCArea>
  <LineHaulAP></LineHaulAP>
  <AirportType>Major</AirportType>
</row>
<row>
  <Point>Houston, TX</Point>
  <ZIP>77063</ZIP>
  <Airport>HOU</Airport>
  <AirportName>HOUSTON / HOU</AirportName>
  <AirportZip>77061</AirportZip>
  <DrivingMiles>19.5</DrivingMiles>
  <MCArea>B</MCArea>
  <LineHaulAP></LineHaulAP>
  <AirportType>Regional</AirportType>
</row>
<row>
  <Point>Houston, TX</Point>
  <ZIP>77063</ZIP>
  <Airport>IAH</Airport>
  <AirportName>HOUSTON IAH / IAH</AirportName>
  <AirportZip>77032</AirportZip>
  <DrivingMiles>33</DrivingMiles>
  <MCArea>B</MCArea>
  <LineHaulAP></LineHaulAP>
  <AirportType>Major</AirportType>
</row>
<row>
  <Point>Houston, TX</Point>
  <ZIP>77063</ZIP>
  <Airport>SAT</Airport>
  <AirportName>SAN ANTONIO / SAT</AirportName>
  <AirportZip>78216</AirportZip>
  <DrivingMiles>193</DrivingMiles>
  <MCArea></MCArea>
  <LineHaulAP></LineHaulAP>
  <AirportType>Major</AirportType>
</row>
</ZipAirportMiles>
</ACIroot>
</parameters>
</ns1:GetZipAirPortDetailsResponse>
</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"?>
<ACIroot>
  <faultcode>
    <Error> Please check the username and password.</Error>
    <Error> Invalid zip code. </Error>
  </faultcode>
</ACIroot>
```

Appendix D: General Errors

1. Enter valid Username and Password.
2. Enter zipCode.
