

# PreBook API Integration

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## Index:

<b>Document History</b> .....	2
<b>Overview</b> .....	2
<b>PreBook API Integration</b> .....	
Webservice.....	1
Search Example .....	2
Methods.....	3
Listing Examples .....	4

## Document History:

Date	Person	Action
19 January 2009	Wouter Olwagen	Create

## Overview:

This document provides information on integrating the PreBook API into your existing portal by requesting data from the PreBook webservice and it's methods. The XML data can be styled by using the example xsl stylesheets provided.

## 1.) Webservice:

<http://www.prebookengine.com/PortalService/Portal.svc?wsdl>

### Search Form Example

Search Criteria:	
Search for:	<input type="text" value="Alba Guest Farm"/>
Type:	<div style="border: 1px solid gray; padding: 2px;"><div style="background-color: #333; color: white; padding: 2px;">Any</div><div style="padding: 2px;">Bed and Breakfa</div><div style="padding: 2px;">Guest House</div><div style="padding: 2px;">Holliday Accomr</div></div>
<input type="radio"/> Search by Location <input checked="" type="radio"/> Any Location	
Advanced Search Criteria:	
* Country	<input type="text" value="Any"/>
* Province	<input type="text" value="Any"/>
* City/Town	<input type="text" value="Any"/>
<input checked="" type="checkbox"/> Availability by date	
Start Date	<input type="text" value="21/01/2009"/>
No. of Nights	<input type="text" value="2"/>

## Steps to populate search form

- 1.) Populate type listbox by using the GetProviderTypesXML method
- 2.) Populate country combobox with the GetCountriesXML method
- 3.) Populate province combobox using the GetProvincesXML method
- 4.) Populate City/Town combobox using the GetCitiesXML method
- 5.) Search by availability using the SearchProviderAvailabilityXML method

<b>Method</b>	<b>GetProviderTypesXML</b>
<b>Parameter</b>	none
<b>XML Output</b>	<pre>&lt;s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/"&gt;   &lt;s:Body&gt;     &lt;GetProviderTypesXmlResponse xmlns="http://tempuri.org/"&gt;       &lt;GetProviderTypesXmlResult&gt;  &lt;![CDATA[&lt;Result&gt;   &lt;Types&gt;Bed and Breakfast&lt;/Types&gt;   &lt;Types&gt;Commercial&lt;/Types&gt;   &lt;Types&gt;Guest House&lt;/Types&gt;   &lt;Types&gt;Holliday Accommodation&lt;/Types&gt;   &lt;Types&gt;Hotel&lt;/Types&gt;   &lt;Types&gt;Lodge&lt;/Types&gt;   &lt;Types&gt;Other&lt;/Types&gt;   &lt;Types&gt;Resort&lt;/Types&gt; &lt;/Result&gt;]]&gt;&lt;/GetProviderTypesXmlResult&gt;       &lt;/GetProviderTypesXmlResponse&gt;     &lt;/s:Body&gt;   &lt;/s:Envelope&gt;</pre>

<b>Method</b>	<b>GetCountriesXML</b>
<b>Parameter</b>	none
<b>XML Output</b>	<pre> &lt;s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/"&gt;   &lt;s:Body&gt;     &lt;GetCountriesXmlResponse xmlns="http://tempuri.org/"&gt;       &lt;GetCountriesXmlResult&gt;  &lt;![CDATA[&lt;Result&gt;   &lt;Country&gt;     &lt;Name&gt;Other&lt;/Name&gt;   &lt;/Country&gt;   &lt;Country&gt;     &lt;Name&gt;South Africa&lt;/Name&gt;   &lt;/Country&gt; &lt;/Result&gt;]]&gt;&lt;/GetCountriesXmlResult&gt;       &lt;/GetCountriesXmlResponse&gt;     &lt;/s:Body&gt;   &lt;/s:Envelope&gt; </pre>
<b>Method</b>	<b>GetProvincesXML</b>
<b>Parameter</b>	country
<b>Example</b>	'South Africa'
<b>XML Output</b>	<pre> &lt;s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/"&gt;   &lt;s:Body&gt;     &lt;GetProvincesXmlResponse xmlns="http://tempuri.org/"&gt;       &lt;GetProvincesXmlResult&gt;  &lt;![CDATA[&lt;Result&gt;   &lt;Province&gt;     &lt;Name&gt;Eastern Cape&lt;/Name&gt;   &lt;/Province&gt;   &lt;Province&gt;     &lt;Name&gt;Gauteng&lt;/Name&gt;   &lt;/Province&gt; &lt;Province&gt; </pre>

	<pre>       &lt;Name&gt;Kwa-Zulu Natal&lt;/Name&gt;     &lt;/Province&gt;   &lt;/Province&gt;   &lt;Province&gt;     &lt;Name&gt;Limpopo&lt;/Name&gt;   &lt;/Province&gt; &lt;/Province&gt;   &lt;Province&gt;     &lt;Name&gt;Mpumalanga&lt;/Name&gt;   &lt;/Province&gt; &lt;/Province&gt;   &lt;Province&gt;     &lt;Name&gt;North West&lt;/Name&gt;   &lt;/Province&gt; &lt;/Province&gt;   &lt;Province&gt;     &lt;Name&gt;Northern Cape&lt;/Name&gt;   &lt;/Province&gt; &lt;/Province&gt;   &lt;Province&gt;     &lt;Name&gt;Western Cape&lt;/Name&gt;   &lt;/Province&gt; &lt;/Province&gt; &lt;/Result&gt;]]&gt;&lt;/GetProvincesXmlResult&gt; &lt;/GetProvincesXmlResponse&gt; &lt;/s:Body&gt; &lt;/s:Envelope&gt; </pre>
<b>Method</b>	<b>GetCitiesXML</b>
<b>Parameter</b>	province
<b>Example</b>	'Western Cape'
<b>XML Output</b>	<pre> &lt;s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/"&gt;   &lt;s:Body&gt;     &lt;GetCitiesXmlResponse xmlns="http://tempuri.org/"&gt;       &lt;GetCitiesXmlResult&gt;         &lt;![CDATA[&lt;Result&gt;           &lt;City&gt;             &lt;Name&gt;Agulhas&lt;/Name&gt;           &lt;/City&gt;           &lt;City&gt; </pre>

```
<Name>Bellville</Name>
</City>
<City>
  <Name>Blaauwberg</Name>
</City>
<City>
  <Name>Bloubergrant</Name>
</City>
<City>
  <Name>Bloubergstrand</Name>
</City>
<City>
  <Name>Camps Bay</Name>
</City>
<City>
  <Name>Cape Town</Name>
</City>
<City>
  <Name>Durbanville</Name>
</City>
<City>
  <Name>Fish Hoek</Name>
</City>
<City>
  <Name>Gansbaai</Name>
</City>
<City>
  <Name>George</Name>
</City>
<City>
  <Name>Gordon's Bay</Name>
</City>
<City>
  <Name>Hermanus</Name>
</City>
<City>
```

	<pre>&lt;Name&gt;Langebaan&lt;/Name&gt; &lt;/City&gt; &lt;City&gt;   &lt;Name&gt;Malmesbury&lt;/Name&gt; &lt;/City&gt; &lt;City&gt;   &lt;Name&gt;Melkbosstrand&lt;/Name&gt; &lt;/City&gt; &lt;City&gt;   &lt;Name&gt;Milnerton&lt;/Name&gt; &lt;/City&gt; &lt;City&gt;   &lt;Name&gt;Mossel Bay&lt;/Name&gt; &lt;/City&gt; &lt;City&gt;   &lt;Name&gt;Oudtshoorn&lt;/Name&gt; &lt;/City&gt; &lt;City&gt;   &lt;Name&gt;Paarl&lt;/Name&gt; &lt;/City&gt; &lt;City&gt;   &lt;Name&gt;Parow&lt;/Name&gt; &lt;/City&gt; &lt;City&gt;   &lt;Name&gt;Paternoster&lt;/Name&gt; &lt;/City&gt; &lt;City&gt;   &lt;Name&gt;Piketberg&lt;/Name&gt; &lt;/City&gt; &lt;City&gt;   &lt;Name&gt;Riebeek Kasteel&lt;/Name&gt; &lt;/City&gt; &lt;City&gt;   &lt;Name&gt;Riebeek West&lt;/Name&gt; &lt;/City&gt; &lt;City&gt;</pre>
--	--

```
<Name>Somerset West</Name>
</City>
<City>
  <Name>Stellenbosch</Name>
</City>
<City>
  <Name>Stilbaai</Name>
</City>
<City>
  <Name>Swellendam</Name>
</City>
<City>
  <Name>Table View</Name>
</City>
<City>
  <Name>Vredendal</Name>
</City>
<City>
  <Name>Wellington</Name>
</City>
<City>
  <Name>Yzerfontein</Name>
</City>
</Result>]]></GetCitiesXmlResult>
  </GetCitiesXmlResponse>
</s:Body>
</s:Envelope>
```

<b>Method</b>	SearchProvidersXML
<b>Parameters</b>	name, country, province, city, type, page, pagesize
<b>Example</b>	'','South Africa','Western Cape','Cape Town','Guest House','1','100'
<b>XML Output</b>	<pre> &lt;s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/"&gt;   &lt;s:Body&gt;     &lt;SearchProvidersXmlResponse xmlns="http://tempuri.org/"&gt;       &lt;SearchProvidersXmlResult&gt;  &lt;![CDATA[&lt;Result&gt;   &lt;Provider&gt;     &lt;Id&gt;DC52F417-0B93-D643-BBF5-5D507C2845A3&lt;/Id&gt;     &lt;Name&gt;Century City Apartments Property Services cc&lt;/Name&gt;     &lt;Type&gt;Holliday Accommodation&lt;/Type&gt;     &lt;City&gt;Cape Town&lt;/City&gt;     &lt;Province&gt;Western Cape&lt;/Province&gt;     &lt;Country&gt;South Africa&lt;/Country&gt;     &lt;Rate&gt;R 800.00 - R 2,750.00 per unit per night&lt;/Rate&gt;     &lt;Summary&gt;Don't know where to stay in Cape Town?: Why not stay in Century City !!! One of the safest locations in Cape Town with numerous recreation and business facilities on site, plus it's close to all the tourist attractions of the Cape Peninsula, The CTIC ...&lt;/Summary&gt;     &lt;ImageUrl&gt;http://www.iminafrica.com/Establishments/DC52F417-0B93-D643-BBF5- 5D507C2845A3/thumb.jpg&lt;/ImageUrl&gt;   &lt;/Provider&gt;   &lt;Provider&gt;     &lt;Id&gt;3D6A6D03-C0CA-6C47-8743-993565082264&lt;/Id&gt;     &lt;Name&gt;The Holiday Nanny&lt;/Name&gt;     &lt;Type&gt;Commercial&lt;/Type&gt;     &lt;City&gt;Table View&lt;/City&gt;     &lt;Province&gt;Western Cape&lt;/Province&gt;     &lt;Country&gt;South Africa&lt;/Country&gt;     &lt;Rate&gt;R 900.00 per unit per night&lt;/Rate&gt;     &lt;Summary&gt;The Holiday Nanny is a brand-new company started by two sisters with mutual interests in the nurturing and education of children. Emma and Maria Butler come from a large family where these concepts have also been integrated in their lives from a very ...&lt;/Summary&gt;     &lt;ImageUrl&gt;http://www.iminafrica.com/Establishments/3D6A6D03-C0CA-6C47-8743- </pre>

	<pre> 993565082264/thumb.jpg&lt;/ImageUrl&gt;   &lt;/Provider&gt;   &lt;SearchCount&gt;2&lt;/SearchCount&gt; &lt;/Result&gt;]]&lt;/SearchProvidersXmlResult&gt;   &lt;/SearchProvidersXmlResponse&gt; &lt;/s:Body&gt; &lt;/s:Envelope&gt; </pre>
<b>Method</b>	SearchProviderAvailabilityXML
<b>Parameters</b>	name, country, province, city, type, date, nights, page
<b>Example</b>	'Alba Guest Farm', 'South Africa', 'Western Cape', 'Guest House', 01/21/2009, 1, 1, 100
<b>XML Output</b>	<pre> &lt;s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/"&gt;   &lt;s:Body&gt;     &lt;SearchProviderAvailabilityXmlResponse xmlns="http://tempuri.org/"&gt;       &lt;SearchProviderAvailabilityXmlResult&gt;  &lt;![CDATA[&lt;Result&gt;   &lt;Provider&gt;     &lt;Id&gt;2030AA33-5067-DC45-B19D-698DFB822948&lt;/Id&gt;     &lt;Name&gt;Alba Guest Farm&lt;/Name&gt;     &lt;Type&gt;Guest House&lt;/Type&gt;     &lt;City&gt;Durbanville&lt;/City&gt;     &lt;Province&gt;Western Cape&lt;/Province&gt;     &lt;Country&gt;South Africa&lt;/Country&gt;     &lt;Rate&gt;R 850.00 per unit per night&lt;/Rate&gt;     &lt;Summary&gt;Luxurious + spacious self-catering accommodation in beautiful West -Coast fishermans cottages (50 - 60 sq/mts). Some of the buildings date back to 1840. Each Cottage has a charmingly appointed large + luxurius en-suite bedroom which leads into a s ...&lt;/Summary&gt;     &lt;ImageUrl&gt;http://www.iminafrica.com/Establishments/2030AA33-5067-DC45-B19D- 698DFB822948/thumb.jpg&lt;/ImageUrl&gt;   &lt;/Provider&gt;   &lt;SearchCount&gt;1&lt;/SearchCount&gt;   &lt;Date&gt;01/21/2009&lt;/Date&gt;   &lt;Nights&gt;1&lt;/Nights&gt; &lt;/Result&gt;]]&lt;/SearchProviderAvailabilityXmlResult&gt; </pre>

```
</SearchProviderAvailabilityXmlResponse>
</s:Body>
</s:Envelope>
```

### 3.) Example XSL Stylesheet (Establishment Listings)

```
<?xml version="1.0" encoding="UTF-8" ?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
  <xsl:output method="xml" indent="yes"/>
  <xsl:template match="/">
    
    <p style="font-family: Arial; font-size: small; font-weight: bold; color: #E8EDD3">.</p>
    <xsl:for-each select="Result/Provider">
      <div class="srUnit">
        <div class="srHead">
          <span class="srh1">
            <A class="sren" ><xsl:attribute name="href">establishment.php?guid=<xsl:value-
of select="Id"/>
              </xsl:attribute>
              <xsl:value-of select="Name"/>
            </A>
          <br />
          <span class="sret">
            <xsl:value-of select="Type"/>
          </span>
        </div>
        <span class="srh2">
          <span class="srel">
            <xsl:value-of select="City"/>, <xsl:value-of select="Province"/>, <xsl:value-
of select="Country"/>
          </span>
          <br />
          <span class="srep">
            <xsl:value-of select="Rate"/>
          </span>
        </span>
      </div>
    </xsl:for-each>
  </template>
</xsl:stylesheet>
```

```
                </span>
            </div>
        <div class="srBody">
            <a class="srImg" >
                <xsl:attribute name="href">
                    establishment.php?guid=<xsl:value-of select="Id" /></xsl:attribute><img
width="70" height="70" border="0"><xsl:attribute name="src"><xsl:value-of select="ImageUrl"
/></xsl:attribute></img></a>
                <xsl:value-of select="Summary"/>
            </div>
        </div>
    </xsl:for-each>
</xsl:template>
</xsl:stylesheet>
```

Example Listing

### Alba Guest Farm

Guest House

Durbanville, Western Cape, South Africa

**R 850.00 per unit per night**



Luxurious + spacious self-catering accommodation in beautiful West -Coast fishermans cottages (50 - 60 sq/mts). Some of the buildings date back to 1840. Each Cottage has a charmingly appointed large + luxurius en-suite bedroom which leads into a s ...

### Alikreukel Guest House

Guest House

Stilbaai, Western Cape, South Africa

**R 250.00 per adult per night**



The new owners, Ludvick & Audrey Biddulph, welcome you at the Alikreukel Guest House (b&b) and Tea Room. The guest house has 10 rooms, all en-suite, with t.v., small fridge and tea/coffee making facilities. The nearest swimming beach, harbour and wal ...

### Almond Bridge B&B

Bed and Breakfast

Malmesbury, Western Cape, South Africa

**R 550.00 per unit per night**



Almond Bridge B&B, Western Cape, is the place to stay in South Africa, surrounded by beautiful country river settings on the north slopes of Malmesbury. Tourism is great: Bird life is abundant here, and the magnificent views of the mountains around u ...

### Example XSL Stylesheet (Establishment Detail)

```
<?xml version="1.0" encoding="UTF-8" ?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
<xsl:output method="xml" indent="yes"/>
  <xsl:template match="/">

<p style="font-family: Arial; font-size: small; font-weight: bold; color: #E8EDD3"></p>
  <br />
  <xsl:for-each select="Result/ProviderDetail">
    <div class="pageheading">
      <xsl:value-of select="Name"/>
    </div>
    <br/>
    <xsl:value-of select="Description"/>
    <br/>
    <br/>
    <form action="http://www.prebookengine.com" method="post">
      <input type="hidden" name="eid">
        <xsl:attribute name="value">
          <xsl:value-of select="Id"/>
        </xsl:attribute>
      </input>
      <input type="submit" value="Make Reservation"/>
    </form>
  <table class="eqt" cellSpacing="0" cellPadding="0" border="0">
    <tr>
      <td class="eqn">Address</td>
      <td class="eqv">
        <xsl:value-of select="Address"/>
      </td>
    </tr>
    <tr>
      <td class="eqna">Accommodation Type</td>
      <td class="eqva">
        <xsl:value-of select="Type"/>
      </td>
    </tr>
  </table>
</xsl:for-each>
</template>
</stylesheet>
```

```

        </td>
      </tr>
    </tr>
    <td class="eqn">Child Policy</td>
    <td class="eqv">
      <xsl:value-of select="ChildPolicy"/>
    </td>
  </tr>
</table>
<xsl:for-each select="Images/Image">
  <img class="adib" width="250" height="150" border="0">
    <xsl:attribute name="src">
      <xsl:value-of select="Url" />
    </xsl:attribute>
  </img>
</xsl:for-each>
<xsl:for-each select="ResourceTypes/ResourceType">
  <table class="eqt" cellSpacing="0" cellPadding="0" border="0">
    <tr>
      <td class="eqn" colSpan="2">
        <xsl:value-of select="Type"/>
      </td>
    </tr>
    <tr>
      <td class="eqn">Number of Units:</td>
      <td class="eqv">
        <xsl:value-of select="Units"/>
      </td>
    </tr>
  </table>

```

```

<td class="eqn">Number of Guests per Unit:</td>
  <td class="eqn">
    <xsl:value-of select="AverageNumberOfGuestsPerUnit"/>
  </td>
</tr>
<tr>
  <td class="eqn">Beds :</td>
  <td class="eqv">
    <xsl:value-of select="Beds"/>
  </td>
</tr>
<tr>
  <td class="eqn">Bathroom Type :</td>
  <td class="eqv">
    <xsl:value-of select="BathroomType"/>
  </td>
</tr>
<tr>
  <td class="eqn">Description :</td>
  <td class="eqv">
    <xsl:value-of select="Description"/>
  </td>
</tr>
<tr>
  <td class="eqn">Rates :</td>
  <td class="eqv">
    <xsl:value-of select="Rates"/>
  </td>
</tr>
</table>
</xsl:for-each>
<br/>
<form action="http://www.prebookengine.com" method="post">
  <input type="hidden" name="eid">
    <xsl:attribute name="value">
      <xsl:value-of select="Id"/>
    </xsl:attribute>
  </input>
</form>


```

```
        </xsl:attribute>
        </input>
    <input type="submit" value="Make Reservation"/>
    </form>
</xsl:for-each>

</xsl:template>
</xsl:stylesheet>
```

## Example Detailed Listing

### Alba Guest Farm





Luxurious + spacious self-catering accommodation in beautiful West -Coast fishermans cottages (50 - 60 sq/mts). Some of the buildings date back to 1840. Each Cottage has a charmingly appointed large + luxurius en-suite bedroom which leads into a seperate large open-plan lounge, dining room and kitchenette. All the cottages have large built-in firplaces / barbeque for your convenience and those chilly winter evenings. All the cottages lead into an open courtyard, the centre of the beautiful 10 acre farm, right in the centre of the Cape Town area.

<b>Address</b>	Vissershok Road, P.O.Box 2367, Durbanville 7001, Western Cape, South Africa
<b>Accommodation Type</b>	Guest House
<b>Child Policy</b>	All very welcome.
<b>Credit Cards</b>	Credit cards welcome.

[Make a Reservation](#)

#### ■ Location & Climate


For tourists and golfers alike - Alba Guest Farm is the most convient location in the whole of the Cape Town area. You are under 30 minutes drive from the Cape Town International Airport, V+A Water Front and city centre, the famous towns of Stellenbosch + Franshoeh, Somerset West / Strand, Paarl, Constantia, Camps Bay + Clifton, Blouberg + Melkbos Strand on the West Coast. Climate: - Warm + sunny summers. Winters are mild with 80% beautiful



## Make a reservation example

### Alba Guest Farm




**Select Dates**

Select Start Date  

Number of Nights

[Select Items/Rooms/Activities >>](#)

**Summary**  
No selection.

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# PreBook Booking Engine

### Alba Guest Farm

---

#### Select Items/Rooms/Activities

Order by price:  High to low  
 Low to High

#### Luxury Cottage

Cottage 3: R 850.00 per night




#### Luxury Cottage with double bed

Cottage 5: R 850.00 per night

Reservation Date	Departure Date	Nights	Adults	Children	Infants
Wednesday, January 21, 2009	Thursday, January 22, 2009	1	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0"/>

R 850.00 VAT Incl. [Change Dates](#) [Delete Selection](#)

[Place Reservation >>](#)



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### Summary

1 selection(s).

Total:  
R 850.00

Now Click on  
"Place  
Reservation".

## Alba Guest Farm

### Select Items/Rooms/Activities

Order by price:  High to low  
 Low to High

### Luxury Cottage with double bed

Reservation available, please make deposit to confirm this reservation.

Cottage 5: R 850.00 per night

Reservation Date	Departure Date	Nights	Adults	Children	Infants
Wednesday, January 21, 2009	Thursday, January 22, 2009	1	1	0	0

R 850.00 VAT Incl.

Change Dates

Delete Selection

[View rooms](#)

[Make Deposit >>](#)

### Summary

1 selection(s).

Total: R 850.00

Now Click on  
"Make Deposit".

 prebook

Select Dates

Select Rooms & Guests

**Review Reservation**

Make Deposit

View Confirmation

Help!

 FNB

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Implementation examples available on request.

Web Examples:

<http://www.iminafrica.com>

<http://www.travers-e.com>

<http://www.cape-town-travel.co.za>