Retrieve Rooms

About:

This endpoint is used to request information on a specific hotel. A hotelId is fed in through the request, and we return room type information.

The same operation and request type (OTA_HotelAvailRQ) is used for requesting room information and rates and availability information. See the "Retrieve Rates and Availability" document for information on the latter.

Sample request including HTTP header and SOAP envelope:

```
POST https://uat1api2.speedybooker.com/Service.svc HTTP/1.1
Content-Type: text/xml;charset=UTF-8
SOAPAction: "http://www.speedybooker.com/OTA_HotelAvailRQ"
Host: uat1api2.speedybooker.com

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <soapenv:Header/>
  <soapenv:Body>

    <OTA_HotelAvailRQ xmlns="http://www.opentravel.org/OTA/2003/05">

      <EchoToken>abc123</EchoToken>
      <TimeStamp>2015-05-01T14:34:23+10:00</TimeStamp>
      <Version>1.0</Version>

      <POS>
        <Source>
          <RequestorID Username="USERNAME" Password="PASSWORD"/>
        </Source>
      </POS>

      <AvailRequestSegments>
        <AvailRequestSegments>
          <AvailRequestSegment AvailReqType="Room">
            <HotelSearchCriteria>
              <Criterion>
                <HotelRef HotelCode="HOTELID"/>
              </Criterion>
```

```xml
            </HotelSearchCriteria>
          </AvailRequestSegment>
        </AvailRequestSegments>
      </AvailRequestSegments>

    </OTA_HotelAvailRQ>

  </soapenv:Body>
</soapenv:Envelope>
```

Element Information

Element	Description	Single/Multiple
OTA_HotelAvailRQ	Root	Single
EchoToken	Unique ID for request	Single
Version	Always 1	Single
TimeStamp	Time of the transaction	Single
POS	Sender Information	Single
Source		Single
Requester ID	Sender Information	Single
Username	Username	Single
Password	Password	Single
AvailRequestSegment		Multiple
AvailReqType	Always 'Room'	Single
HotelRef	Information about the hotel	Single
HotelCode	The id for the required hotel	Single

Sample response:

This is the response for a successful request

```xml
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <OTA_HotelAvailRS xmlns="http://www.opentravel.org/OTA/2003/05">
      <EchoToken>abc123</EchoToken>
      <RoomStays>
        <RoomStay>
          <GuestCounts>
            <GuestCount>
              <AgeQualifyingCode>10</AgeQualifyingCode>
              <count>1</count>
            </GuestCount>
          </GuestCounts>
          <RoomTypes>
            <RoomType RoomTypeCode="28" NumberOfUnits="0">
              <RoomDescription Name="Standard Single">
                <Text>
                  These rooms have a single bed and access to a shared
bathroom.

    All bedrooms are equipped with the following facilities; ensuite bathroom,
                tea &amp; coffee making facilities, desk with work space
&amp; mirror,
                direct dial telephone, hairdryer, flat screen television and
free Wi-Fi throughout the hotel.
```

```xml
                        In addition guests can enjoy free on-site car parking (100
spaces).
                    </Text>
                </RoomDescription>
            </RoomType>
        </RoomTypes>
    </RoomStay>
    <RoomStay>
        <GuestCounts>
            <GuestCount>
                <AgeQualifyingCode>10</AgeQualifyingCode>
                <count>2</count>
            </GuestCount>
        </GuestCounts>
        <RoomTypes>
            <RoomType RoomTypeCode="3472" NumberOfUnits="0">
                <RoomDescription Name="Double ensuite">
                    <Text>
                        These rooms have a double bed and ensuite bathroom.

    All bedrooms are equipped with the following facilities; ensuite bathroom,
                    tea &amp; coffee making facilities, desk with work space
&amp; mirror,
                        direct dial telephone, hairdryer, flat screen television and
free Wi-Fi throughout the hotel.
                        In addition guests can enjoy free on-site car parking (100
spaces).
                    </Text>
                </RoomDescription>
            </RoomType>
        </RoomTypes>
    </RoomStay>
    </RoomStays>
    <Success xsi:type="xsd:string"/>
    <TimeStamp>2017-10-31T17:18:06.5174621+00:00</TimeStamp>
    <Version>1.0</Version>
    </OTA_HotelAvailRS>
  </s:Body>
</s:Envelope>
```

Element	Description	Single/Multiple
OTA_HotelAvailRS	Root	Single
EchoToken	Unique ID from request	Single
Version	Always 1	Single
TimeStamp	Time of the transaction	Single
Success		Single
RoomStay	Base for room/rate information	Multiple
GuestCounts	Base for guest info	Single
Guest Count		
AgeQualifyingCode	Always 10 in this mode.	Single
Count	Number of guests permitted in room	Single
RoomType	Base for room information	Single
RoomTypeCode	The code for the room	Single
NumberOfUnits	Always 0 in this mode	Single

RoomDescription	Information about the room	Single
Name	Text name of the room	Single
Text	Plain text information for the room	Single

Sample Error response:

```xml
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <OTA_HotelAvailRS xmlns="http://www.opentravel.org/OTA/2003/05">
      <EchoToken>abc123</EchoToken>
      <Errors>
        <Error Type="392" Code="6">username/password do not match</Error>
      </Errors>
      <TimeStamp>2017-10-31T17:25:27.5614367+00:00</TimeStamp>
      <Version>1.0</Version>
    </OTA_HotelAvailRS>
  </s:Body>
</s:Envelope>
```

Element	Description	Single/Multiple
OTA_HotelAvailRS	Root	Single
EchoToken	Unique ID for request	Single
Version	Always 1	Single
TimeStamp	Time of the transaction	Single
Error	Indicates an error. Contains plain text description of the error	Multiple
Type	Indicates the type of error	Single
Code	Specific error code	Single

Notes

A hotel identified by a HotelRef has multiple room types.

A room type has a maximum number of guests (element 'Count').

For the purpose of this method, a RoomStay element includes only a single room type, so the number of guests (Count) only applies to the one room type.

API URLs given in this document are for the test environment.
For the live environment replace "uat1api2" with "api2".

Calling the API from a .NET application using a Service Reference

The best way to call the API from a .NET application is to add a service reference with URL "https://uat1api2.speedybooker.com/Service.svc". See an example of this at https://docs.microsoft.com/en-us/dotnet/framework/wcf/accessing-services-using-a-wcf-client#add-service-reference-in-visual-studio

Calling the API without a service reference in C#

The following code provides an example of calling the API using a string containing the request XML. In this case the xml is loaded from a file "request.xml", the contents of which is the sample request shown at the start of this document (without the HTTP header). This is just to illustrate how the API can be called without specialized SOAP tooling.

```csharp
string requestXml = System.IO.File.ReadAllText(Server.MapPath("/request.xml"));
string url = "https://uat1api2.speedybooker.com/Service.svc";
string result = "";

using (System.Net.WebClient wc = new System.Net.WebClient())
{
    wc.Headers[System.Net.HttpRequestHeader.ContentType] =
                "text/xml;charset=\"utf-8\"";

    wc.Headers.Add("SOAPAction",
                "\"http://www.speedybooker.com/OTA_HotelAvailRQ\"");

    result = wc.UploadString(url, requestXml);
}
```