

DIGITAL CONTENT SAMPLE

API Guide

This guide provides information on how OTA Seamless API's can be used in different ways at a metasite. This document includes details about the different features of the API and provide sample request and response for each feature.



Madcap Flare was used as the authoring tool, to create and publish this installation guide in PDF format.



We adhered to Microsoft Manual of Style for Technical Publications (MSTP) standard for creating and reviewing content.



The API guide includes most of the standard sections; namely, cover page, table of contents, introduction, request and response for each API.



OTA Seamless API Usage Guide

Version 1

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About this Document

This guide provides information on how OTA Seamless API's can be used in different ways at a metasite. This document includes details about the different features of the API and provide sample request and response for each feature.

Abbreviations and acronyms

The following table provides the description for the abbreviations and acronyms used in this document.

Acronym	Description
AALS	Area Availability Search
AQC	Age qualifying code – A code to indicate if the type of guest is Adult, Child, or Infant
ISO	International Organization for Standardization
KM	Kilometers - A unit to calculate the distance
MI	Miles - A unit to calculate the distance
OTA	Open Travel Alliance
PALS	Property Availability Search
RPIN	Room Rate Info
RQ	Request – A request sent by the OTA Consumer to TravelClick
RS	Response – A response returned by TravelClick to the OTA Consumer
TC	Travel CLICK
V1	Version 1.0 of OTA Seamless Shopping API services
V2	Version 2.0 of OTA Seamless Shopping API services

Document convention

The following table provides the text conventions followed in this document.

Text convention	Description
<i>italics</i>	Used for document names
Yellow highlight	Used to highlight the XML code relevant to the feature
Code Text	Used for code text and message name
... <XML Code/> <XML Code/> <XML Code/> ...	The Ellipsis (...) added before and after the XML code indicates an intentional omission of the XML code. Only the XML code relevant to the feature is shown in this Guide. To get the entire XML code, please refer to the <i>OTA Seamless Shopping API Guide</i> and <i>OTA Seamless Booking API Guide</i> .



Note: Note contains additional useful information. Pay special attention to information highlighted this way.



Introduction to Usage Guide

- [Overview](#)
- [List of available API](#)
- [List of available Features](#)

Overview

This guide provides information on how OTA Seamless API's can be used in different ways at a metasite. This document includes details about the different features of the API and provide sample request and response for each feature.

Intended Audience

This document can be used by a OTA consumer to utilize OTA Seamless Services in different scenarios at a Metasite.

List of available API

Following are the list of Seamless OTA APIs:

- Area Availability Search (AALS)
- Property Availability Search (PALS)
- Lead Rate search
- Daily Rate Search
- Product Info Search (RPIN)
- Full Data Search
- Descriptive Search
- Booking Service
- Modify Service
- Cancel Service

List of available Features

Following are the list of features available in OTA Seamless Services:



- Single Property
- Multi Property with Hotel Codes
- Multi Property with Area search with countryname
- Multi Property with Area search with cityname
- Multi Property with Area search with Longitude and Latitude
- Discount Access Codes
- Corporate Codes
- Pagination
- Specific Rate Plan Search
- Specific RateRoom (product) Search
- Specific Room Search
- Service and Enhancements
- Support for alternate properties
- Alternate Property Search
- Available Rates only Support
- Available Only Indicator Support
- Exact Match
- Rate Indicator



Single and Multi Property Search with hotel codes

- [Overview](#)
- [AALS Request for Multiple Property Search](#)

Overview

A Metasite can consume a service to search for a single or multiple properties by using specific hotel code(s) in the request.

To search for a single property, a single hotel code for that property should be provided in the request. To search for multiple properties, a list of required hotel codes should be provided in the request.

This section explains the Single and Multi Property Search with hotel codes used for shopping with sample AALS request for Multiple Property search with hotel codes.

Supported APIs

Following is a list of Shopping APIs that support this feature:

- Area Availability Search (AALS)
- Property Availability Search (PALS)
- Lead Rate search
- Daily Rate Search
- Product Info Search (RPIN)
- Full Data Search
- Descriptive Search

AALS Request for Multiple Property Search

Following is an AALS request for Multiple Property Search with Hotel Codes:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing" xmlns:wsse="http://docs.oasis-
open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsu="http://docs.oasis-
open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:MessageID>RQ_DODSON</wsa:MessageID>
    <wsa:ReplyTo>
      <wsa:Address>NOT NEEDED FOR SYNC REQUEST</wsa:Address>
    </wsa:ReplyTo>
```



```

<wsa:To>http://ota-t5.ihotelier.com/OTA_Webservices/services/AreaAvailabilityService</wsa:To>
<wsa:Action>AALS</wsa:Action>
<wsa:From>
  <SalesChannelInfo ID="CHANNELNAME"/>
</wsa:From>
<wsse:Security soap:mustUnderstand="0">
  <wsu:Timestamp>
    <wsu:Created>2011-01-28T11:21:16+01:00</wsu:Created>
    <wsu:Expires>2011-01-28T11:21:16+01:00</wsu:Expires>
  </wsu:Timestamp>
  <wsse:UsernameToken>
    <wsse:Username>USERNAME</wsse:Username>
    <wsse:Password>PASSWORD</wsse:Password>
  </wsse:UsernameToken>
</wsse:Security>
</soap:Header>
<soap:Body>
  <OTA_HotelAvailRQ Version="1" AvailRatesOnly="True">
    <POS>
      <Source>
        <RequestorID ID="1234" Type="1"/>
        <BookingChannel Type="18">
          <CompanyName Code="COMPANYNAME"/>
        </BookingChannel>
      </Source>
    </POS>
    <AvailRequestSegments>
      <AvailRequestSegment ResponseType="AreaList">
        <HotelSearchCriteria AvailableOnlyIndicator="False">
          <Criterion>
            <StayDateRange Start="2015-12-15" End="2015-12-18"/>
            <RatePlanCandidates>
              <RatePlanCandidate>
                <HotelRefs>
                  <HotelRef HotelCode="1010"/>
                  <HotelRef HotelCode="1011"/>
                  <HotelRef HotelCode="1098"/>
                </HotelRefs>
              </RatePlanCandidate>
            </RatePlanCandidates>
            <RoomStayCandidates>
              <RoomStayCandidate Quantity="1">
                <GuestCounts>
                  <GuestCount AgeQualifyingCode="10" Count="1"/>
                  <GuestCount AgeQualifyingCode="8" Count="0"/>
                  <GuestCount AgeQualifyingCode="7" Count="0"/>
                </GuestCounts>
              </RoomStayCandidate>
            </RoomStayCandidates>
          </Criterion>
        </HotelSearchCriteria>
      </AvailRequestSegment>
    </AvailRequestSegments>
  </OTA_HotelAvailRQ>
</soap:Body>
</soap:Envelope>

```

Note: For Single Property search, the above request should have only a single Hotel Code.



Multiple Property with Area Search

- [Overview](#)
- [PALS Request for Geo Location Search](#)
- [PALS Request for City Search](#)
- [PALS Request for Country Search](#)

Overview

A Metasite can consume a service to search for list of properties by providing the area information. Multiple properties located in an area can be searched by adding one of the following area criterion in the request:

- Geo Location (Latitude and Longitude)
- City/Area
- Country

The response returns all the properties located in the area specified in the request.

This section explains the Multiple Property with Area Search with sample requests for Geo-location search, City search, and Country search.

Supported APIs

Following is a list of Shopping APIs that support this feature:

- Area Availability Search (AALS)
- Property Availability Search (PALS)
- Full Data Search

PALS Request for Geo Location Search

Following is a snippet of the PALS request containing Geo Location (Latitude and Longitude) search criterion in the request:

```
...
  <HotelSearchCriteria >
    <Criterion >
      <Position Latitude="37.708399" Longitude="-97.48174"/>
      <Radius Distance="20.0" UnitOfMeasureCode="2"/>
      <StayDateRange Start="2015-08-28" End="2015-08-29"/>
    </Criterion >
  </HotelSearchCriteria >
```



```

    <RoomStayCandidates>
      <RoomStayCandidate Quantity="1">
        <GuestCounts>
          <GuestCount AgeQualifyingCode="10" Count="1"/>
          <GuestCount AgeQualifyingCode="8" Count="0"/>
          <GuestCount AgeQualifyingCode="7" Count="0"/>
        </GuestCounts>
      </RoomStayCandidate>
    </RoomStayCandidates>
  </Criterion>
</HotelSearchCriteria>

```

Note: Geo-coordinates are specified using the ISO_6709 standard. The details of ISO_6707 standard are available at the following link: http://en.wikipedia.org/wiki/ISO_6709

PALS Request for City Search

Following is a snippet of the PALS request containing City search criterion in the request:

```

...
<HotelSearchCriteria >
  <Criterion ExactMatch="0" >
    <Address>
      <CityName>New York</CityName>
      <CountryName Code="US"/>
    </Address>
    <StayDateRange Start="2015-11-20" End="2015-12-21"/>
    <RoomStayCandidates>
      <RoomStayCandidate Quantity="1">
        <GuestCounts>
          <GuestCount AgeQualifyingCode="10" Count="1"/>
          <GuestCount AgeQualifyingCode="8" Count="0"/>
          <GuestCount AgeQualifyingCode="7" Count="0"/>
        </GuestCounts>
      </RoomStayCandidate>
    </RoomStayCandidates>
  </Criterion>
</HotelSearchCriteria>
...

```

PALS Request for Country Search

Following is a snippet of the PALS request containing Country search criterion in the request:

```

...
<HotelSearchCriteria >
  <Criterion ExactMatch="0" >
    <Address>
      <CountryName Code="US"/>
    </Address>

```



```
<StayDateRange Start="2015-11-20" End="2015-12-21"/>
<RoomStayCandidates>
  <RoomStayCandidate Quantity="1">
    <GuestCounts>
      <GuestCount AgeQualifyingCode="10" Count="1"/>
      <GuestCount AgeQualifyingCode="8" Count="0"/>
      <GuestCount AgeQualifyingCode="7" Count="0"/>
    </GuestCounts>
  </RoomStayCandidate>
</RoomStayCandidates>
</Criterion>
</HotelSearchCriteria>
```

...



Access Code Search

Overview

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Discount Access Code

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Supported API

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Discount Code Setup

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PALS Request for Discount Codes

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PALS Response for Discount Codes

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Corporate Access Code

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Supported API

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Corporate Codes Setup

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PALS Request for Corporate Codes

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PALS Response for Corporate Codes

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Rate and Room Search

Overview

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Supported API

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RPIN Request for Rate Plan

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RPIN Request for Room Type

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RPIN Request for Product

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Services and Enhancements

Overview

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Supported API

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Services and Enhancements Setup

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Adding a New Service Selection

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FullList Request

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FullList Response

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Alternate Property Search

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Supported API

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Alternate Property Admin Setup

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Adding Alternate Property

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Full List Request

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Full List Response

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Available Rates only Support

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Supported API

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PALS Request for AvailRatesOnly=False

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PALS Response for AvailRatesOnly=False

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PALS Request for AvailRatesOnly=True

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PALS Response for AvailRatesOnly=True

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Available Only Indicator Support

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Supported API

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PALS Request for AvailableOnlyIndicator=false

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PALS Response for AvailableOnlyIndicator=false

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PALS Request for AvailableOnlyIndicator=true

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PALS Response for AvailableOnlyIndicator=true

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Exact Match

Overview

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Supported API

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PALS Request for Exact Match

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PALS Response for Exact Match

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Rate Indicator

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Supported API

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AALS Response for Rate Indicator

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Pagination

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AALS Request

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AALS Response

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Package Reservation with Services

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Package Reservation Setup

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FullList Request for Shopping

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FullList Response for Shopping

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New Booking Request

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New Booking Response

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Modify Booking Request

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Modify Booking Response

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Cancel Booking Request

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Cancel Booking Response

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Discount Reservation

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PALS Request for Shopping

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PALS Response for Shopping

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New Booking Request

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Corporate Reservations

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PALS Request for Shopping

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PALS Response for Shopping

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New Booking Request

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