

AGODA – XML SME API (FASTSEARCH / AVAILABILITY SERVICE FOR SHORT RESPONSE)

Version 1.3

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REVISION HISTORY

Date	Version	Revisions
2012/10/3	1.0	Released version
2013/3/25	1.1	Added LandingPageURL tag
2013/10/17	1.2	Added Charges tag
2013/11/22	1.3	Updated LandingPageURL to post-migration format

PREFACE

This document is designed to explain each of the Availability Service APIs for short response in technical details. In each section partner will also find sample requests, responses, as well as parameters.

Point of Contact

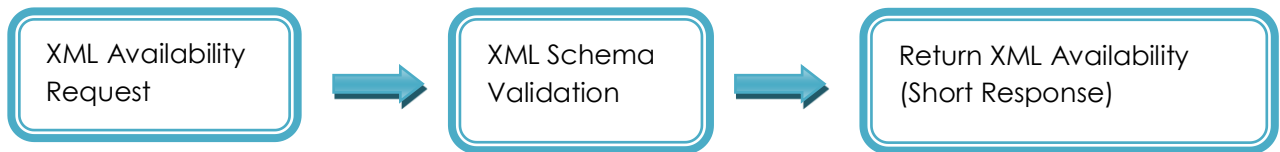
Agoda SME Team

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FASTSEARCH/AVAILABILITY SERVICE

Note: For all Data Type = string as refer in this document, will be case-sensitive

XML Availability Short Response Work Flow



How to Connect to Us

There are 2 environments from which the XML Availability Short Response can be accessed: sandbox and live. The sandbox environment can be used in your development to test the correctness of your XML integration while the live environment is only used when your XML integration is ready. The URL of each environment is provided below:

Sandbox	http://sandbox.xml.agoda.com/xmlpartner/XmlService.svc/search_srv2
Live	http://xml.agoda.com/xmlpartner/XmlService.svc/search_srv2

Availability Request

REQUEST SAMPLE 1 (HOTEL LIST SEARCH)

```
<?xml version="1.0" encoding="utf-8" ?>
<AvailabilityRequestV2 siteid="123456" apikey="00000000-0000-0000-0000-
000000000000" async="false" waittime="12" xmlns="http://xml.agoda.com"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Type>6</Type>
  <Id>12133,179078,10700</Id>
  <Radius>0</Radius>
  <Latitude>0</Latitude>
  <Longitude>0</Longitude>
  <CheckIn>2012-09-21</CheckIn>
  <CheckOut>2012-09-25</CheckOut>
  <Rooms>1</Rooms>
  <Adults>2</Adults>
  <Children>0</Children>
  <Rateplan>Retail</Rateplan>
  <Language>en-us</Language>
  <Currency>USD</Currency>
</AvailabilityRequestV2>
```

REQUEST SAMPLE 2 (HOTEL SEARCH)

```
<?xml version="1.0" encoding="utf-8" ?>
<AvailabilityRequestV2 siteid="123456" apikey="00000000-0000-0000-0000-
000000000000" async="false" waittime="12" xmlns="http://xml.agoda.com"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Type>4</Type>
  <Id>12133</Id>
  <Radius>0</Radius>
  <Latitude>0</Latitude>
  <Longitude>0</Longitude>
  <CheckIn>2012-09-21</CheckIn>
  <CheckOut>2012-09-25</CheckOut>
  <Rooms>1</Rooms>
  <Adults>2</Adults>
  <Children>0</Children>
  <Rateplan>Retail</Rateplan>
  <Language>en-us</Language>
  <Currency>USD</Currency>
</AvailabilityRequestV2>
```

XML SCHEMA VALIDATION FOR AVAILABILITY REQUEST

The availability request message will be validated as specified below. The error response message may be received if one or more rules are violated.

elements /attributes	Detail of verification
1 all elements /attributes	Validate data type for all elements or attributes according to request parameter table below.
2 apikey	Accept for the format "00000000-0000-0000-0000-000000000000" While each character can be A-Z, a-z or 0-9.
3 Type	A non-negative for each type of search as: 4 for Hotel search 6 for Hotel list search (must be for the same city)
4 CheckIn	'CheckIn' must contain date in the form of "YYYY-MM-DD". This date must be more than or equal to Today date.
5 CheckOut	'CheckOut' must contain date in the form of "YYYY-MM-DD". This date must be more than 'CheckIn'.
6 Rooms	A non-negative integer between 1 and 9. Besides, 'Rooms' has to be less than or equal to 'Adults'.
7 Adults	A non-negative integer between 1 and 36.
8 Children	A non-negative integer between 0 and 35.
9 Rateplan	Please specify this value as 'Retail'
10 Language	Language code as specified in Appendix
11 Currency	Currency code as specified in Appendix



12	Id	<p>'Id' must be set related with 'Type'</p> <p>If 'Type' = 4, then the system requires 'Id' as Agoda Hotel ID</p> <p>If 'Type' = 6, then the system requires 'Id' as List of Agoda Hotel ID separated by comma</p> <p>Notes:</p> <ul style="list-style-type: none">- Latitude, Longitude, or Radius can be omitted by setting it equal to 0 (zero).
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Notes:

- The content type of the request needs to be set to XML.
- For optimal results, we advise using hotel list search with up to 25 hotel ids per request. This hotel list search can be performed concurrently in order to get data for all hotels within a city.



REQUEST PARAMETER

Element	Parent Element	Attribute	Required	Data Type	Example	Description
AvailabilityRequest V2			Y			
		siteid	Y	integer	123456	'siteid' used as an identification of your website Note: please contact Account Manager for 'siteid'
		apikey	Y	string	00000000-0000-0000-0000-000000000000	'apikey' used as an identification of your access and allowed Countries / Cities / Hotels. The system accepts 'apikey' as the format "00000000-0000-0000-0000-000000000000" While each character can be A-Z, a-z or 0-9. Note: please contact Account Manager for APIKey
		async	N	boolean	false	'async' can be set to either true/false for availability short response. It will not cause any effect.
		waittime	N	integer	6	The maximum number of seconds which you want to wait until Agoda sends you back the data. Set it to 0 if you wish to search the whole hotels available in Agoda. Important: although different response time for effectively search can be different depending on the type of search and the size of data, we recommend an average 'waittime' to be 10 seconds.



Type	AvailabilityRequest V2		Y	integer	1	<p>Possible 'Type' values are:</p> <p>4 for Hotel search</p> <p>6 for Hotel list search</p> <p>Note: For optimal results, we advise using hotel list search with up to 25 hotel ids per request. This hotel list search can be performed concurrently in order to get data for all hotels within a city.</p>
Id	AvailabilityRequest V2		Y	string	12133,12314,22332	<p>The 'Id' will be interpreted depends on the value of 'Type'</p> <p>If 'Type' = 4, then 'Id' is Agoda Hotel ID</p> <p>If 'Type' = 6, then 'Id' is List of Agoda Hotel ID separated by comma</p>
Radius	AvailabilityRequest V2		Y	integer	0	Please set the value of this element to 0.
Latitude	AvailabilityRequest V2		Y	float	0	Please set the value of this element to 0.
Longitude	AvailabilityRequest V2		Y	float	0	Please set the value of this element to 0.



CheckIn	AvailabilityRequest V2		Y	date	2010-09-21	Check-in date in the form of "YYYY-MM-DD". This date must be more than or equal to today date
CheckOut	AvailabilityRequest V2		Y	date	2010-09-25	Check-out date in the form of "YYYY-MM-DD". This date must be more than 'Check-in date.
Rooms	AvailabilityRequest V2		Y	integer	1	Number of rooms between 1 and 9
Adults	AvailabilityRequest V2		Y	integer	2	Number of adults between 1 and 36
Children	AvailabilityRequest V2		Y	integer	0	Number of children between 1 and 35
Rateplan	AvailabilityRequest V2		N	string	Retail	Please set the value of this element as " Retail"
Language	AvailabilityRequest V2		Y	string	en-us	Language code as specified in section Language of Appendix
Currency	AvailabilityRequest V2		Y	string	USD	Currency code as specified in section Currency of Appendix

Availability Short Response

This response is used for XML search partners who land customers on Agoda's website and have bookings processed by Agoda. Please note that the search IDs in the booking URLs are valid for up to 20 minutes. If a booking URL is used after that time period, the URL will redirect to Agoda's home page.

As our system receives the Availability request from our partners, it may respond with the availability result or error message as described in the section.

RESPONSE SAMPLE

```
<?xml version="1.0" encoding="utf-8" ?>
<AvailabilityShortResponseV2 searchid="260050612000002" status="200"
xmlns="http://xml.agoda.com" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">
  <Hotels>
    <Hotel id="12345" name="Davis hotel" currency="AUD" base="PRPN">
      <Room id="12345" name="Deluxe room" standardtranslation=" Deluxe room
" ex="120.00" loyal="12.00" inc="140.00"
url="http://www.agoda.com/en-
au/partners/xml2012_landing.aspx?siteid=1590388&currency=AUD&asq=yxCf
1QvOC%2bF1AKLpuLv6Ey8LQQ%2fwy3S6yKUaWM5kQmn4OS13v877gx%2fyPCaxseDsox
%2fgBpXuU88mnesWVOzzITEKZM%2fiNrQmCCrzgVxqQ%3d%3d&tag=hid3450" />
      <Room id="12346" name="Deluxe room" standardtranslation="Deluxe room"
ex="120.00" loyal="12.00" inc="140.00" url="http://www.agoda.com/en-
au/partners/xml2012_landing.aspx?siteid=1590388&currency=AUD&asq=yxCf
1QvOC%2bF1AKLpuLv6Ey8LQQ%Gfhtty%dgjh%2fgBpXuU88mnesWVOzzgGFh56r%3d%3
d&tag=hid3450"/>
    </Hotel>
  </Hotels>
</AvailabilityShortResponseV2>
```

RESPONSE SAMPLE WITH CHARGE DETAILS

```
<?xml version="1.0" encoding="utf-8" ?>
<AvailabilityShortResponseV2 searchid="260050612000002" status="200"
xmlns="http://xml.agoda.com" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">
  <Hotels>
    <Hotel id="12345" name="Davis hotel" currency="USD" base="PRPN">
      <Room id="12345" name="Deluxe room" standardtranslation=" Deluxe
room " ex="120.00" loyal="12.00" inc="140.00" url="
http://www.agoda.com/partners/xml2012_landing.aspx?siteid=1590388&cu
rrency=USD&asq=yxCf1QvOC%2bF1AKLpuLv6Ey8LQQ%2fyPCaxseDsox%2fgBpXuU8
8mnesWVOzzITEKZM%2fiNrQmCCrzgVxqQ%3d%3d&tag=hid3450">
      <Charges>
        <Charge type="City Tax" amount="5.93" option="Excluded"
originalmethod="PB"/>
      </Charges>
    </Hotel>
  </Hotels>
</AvailabilityShortResponseV2>
```



```

    </Charges>
  </Room>
  <Room id="12346" name="Deluxe room" standardtranslation="Deluxe room"
ex="120.00" loyal="12.00" inc="140.00" url="
http://www.agoda.com/partners/xml2012_landing.aspx?siteid=1590388&cur
rency=USD&asq=yxCf1QvOC%2bF1AKLpuLv6Ey8LQQ%%2fyPCaxseDsox%Gfgf54ghVbv
ft4yhgf dg456hg%3d%3d&tag=hid3450">
    <Charges>
      <Charge type="City Tax" amount="4.91" option="Excluded"
        originalmethod="PB"/>
    </Charges>
  </Room>
</Hotel>
</Hotels>
</AvailabilityShortResponseV2>

```



RESPONSE PARAMETER (CORRECT CASE)

Element	Parent Element	Attribute	Required	Data Type	Example	Description
AvailabilityShortResponseV2			Y			
		searchid	Y	long	260050612000002	A unique id which our system refer to this search request/respond.
		status	Y	string	200	Status of the respond as specified in section Respond Codes of Appendix
Hotels	AvailabilityShortResponseV2		N			
Hotel	Hotels		Y			
		id	Y	integer	12345	Agoda's hotel ID
		name	Y	string	Davis hotel	The name of the hotel
		currency	Y	string	USD	Requested currency
		base	Y	string	PRPN	<p>The base of the price which can be specified as</p> <p>PRPN for price of a room per a night</p> <p>PBPN for total price per a night</p> <p>PRPB for price of a room per whole period</p> <p>PB for total price per period</p>



						Note: This will be setup in our backend system.
Room	Hotel		Y			
		id	Y	integer	12345	The unique ID of the roomtype. In the case that we deliver a roomtype which have not yet defined in our database, this field will be 0
		name	Y	string	Deluxe room	The type of the room or the type of room with promotion. For example, <ul style="list-style-type: none">the room name = Deluxe roomthe room name with promotion = Deluxe room Hot deal – rate includes 20% discount!
		standard translation	N	string	Deluxe room	Type of the room translated (will be translated as per language you perform in request)
		ex	Y	decimal	120.00	Room rate exclusive according to “Base”
		loyal	Y	decimal	12.00	The rewards savings that Agoda's loyalty program provides the customer.
		Inc	Y	decimal	140.00	Room rate inclusive



						according to "Base"
		url	N	string	http://www.agoda.com/partners/xml2012_landing.aspx?siteid=1590388¤cy=USD&asq=yxCf1QvOC%2bF1AKLpuLv6Ey8LQQ%2fyPCaxseDsox%2fgBpXuU88mnesWVOzZlTEKZM%2fiNrQmCCrzgVxqQ%3d%3d&tag=hid3450	The landing page URL that you redirect the customer to Agoda in order to perform booking process.
		remainin grooms	N	integer	2	Number of remaining rooms
		breakfasti ncluded	N	boolean	true	Free breakfast included or excluded
		promotio nsavings	N	decimal	54.59	Promotion savings
		promotio ntext	N	string	!Limited Time Offer Rate includes 50% discount!	Promotion text
Charges	Charge		N			



		type	N	string	City tax	Nature of the charge: city tax rate, resort fees, bed tax...
		amount	N	decimal	5.35	Total amount of the charge, expressed in the same currency and with the same "Base" as the room rate Note: Charges having a different original calculation method are recalculated to express to have the same base as the room rate (e.g. a 2.50 per person per night local tax will be expressed as 5.00 if the number of pax is two and the room rate base is per PRPN)
		option	N	string	excluded	Three possible values: excluded: charge paid by customer locally, not included in room rate mandatory: charge collected by Agoda, not included in inclusive room rate included: charge collected by Agoda, included in inclusive room rate



		original method	N	string	PB	<p>The original base in which the charge was expressed</p> <p>PRPN charge per room and per night</p> <p>PBPN charge per night</p> <p>PRPB charge per room per booking</p> <p>PB charge per booking</p> <p>PN charge per night</p> <p>PGPB charge per guest per booking</p> <p>PGPN charge per person per a night</p> <p>PAPB charge per adult per booking</p> <p>Note: The original method is a reference but the actual amount of the charge will be expressed using the same base as the room rate</p>
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RESPONSE SAMPLE (ERROR CASE)

```
<?xml version="1.0" encoding="utf-8" ?>
<AvailabilityShortResponseV2 searchid="260050612000002" status="401"
xmlns="http://xml.agoda.com" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">
  <ErrorMessages>
    <ErrorMessage id="101"> Parameter Type is not valid</ErrorMessage>
  </ErrorMessages>
</AvailabilityShortResponseV2>
```



RESPONSE PARAMETER (ERROR CASE)

Element	Parent Element	Attribute	Required	Data Type	Example	Description
AvailabilityShortResponseV2			Y			
		searchid	Y	long	260050612000002	The unique id which our system refer to this search request/respond
		status	Y	string	401	Status of the respond as specified in section Respond Codes of Appendix
ErrorMessages	AvailabilityShortResponseV2		N			
ErrorMessage	ErrorMessages		Y	string	Parameter Type is not valid	Content of error as specified in section Respond Body of Appendix
		id	Y	string	101	Error id of the respond as specified in section Respond Body of Appendix

FAQ

Q: Why is Agoda offering hotel list search as the primary search method?

A: Hotel list searches provide faster response times as we are able to run concurrent searches for the hotels. We have found that a hotel list search of 25 hotel IDs per request is optimal.

This can be performed by using 'Type' as 6 and 'Id' as up to 25 hotel IDs separated by commas. An example request is shown below

```
<?xml version="1.0" encoding="utf-8" ?>
<AvailabilityRequestV2 siteid="123456" apikey="00000000-0000-0000-
0000-000000000000" async="false" waittime="12"
xmlns="http://xml.agoda.com"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Type>6</Type>
  <Id>294,2203,3597,3725,4934,5187,6235,
    6923,7018,7535,7559,9088,9200,
    9445,10629,10630,10631,10632,10633,
    10634,10635,10636,10637,10638,10639</Id>
  <Radius>0</Radius>
  <Latitude>0</Latitude>
  <Longitude>0</Longitude>
  <CheckIn>2012-09-21</CheckIn>
  <CheckOut>2012-09-25</CheckOut>
  <Rooms>1</Rooms>
  <Adults>2</Adults>
  <Children>0</Children>
  <Rateplan>Retail</Rateplan>
  <Language>en-us</Language>
  <Currency>USD</Currency>
</AvailabilityRequestV2>
```

Please note that this hotel list search can be performed concurrently in order to get data for all hotels within a city.

For the list of all hotels with hotel ID for each city, please contact your Account Manager.



Q: What is "waittime"?

A: Partners are now able to determine the amount of time a request will be valid before the system will timeout. Partners can set the variable 'waittime' within their XML request to limit the amount of time a search is being processed.

A 'waittime' of 0 can be used to set a maximum waittime.

Although there are different response times depending on the type of search and the size of data, we recommend an average 'waittime' of be 15 seconds.

Q: Can I search for hotel availability from Agoda and cache it within my system?

A: No.

Hotel price and room availability are dynamic and change based on seasonality and day of the week. Agoda will guarantee information provided for each specific search, e.g. price and cancelation policy, only for 20 minutes. Therefore, caching pricing or availability data within your will lead to inaccuracies. Instead, please run a new search in order to provide the most recent price and availability data.

Q: How should I set the request header?

A: In your code, you should set the request header as "xml". The example is shown below

```
function doSubmit() {
    objTarget = document.getElementById("dataRes");
    objTarget.innerHTML = " Loading ..... ";
    data = document.getElementById("dataVal").value.trim();
    createXMLHttpRequest();
    var urlPost = document.getElementById("urlPost").value;
    xmlHTTP.open("POST", urlPost, true);
    xmlHTTP.onreadystatechange = handleStateChange;
    xmlHTTP.setRequestHeader("Content-type", "text/xml;
charset=utf-8");
    xmlHTTP.send(data);
}
```