



This Web Services Guide provides detailed information about the Web Services. This document includes details about the request and response, error codes, and details of the elements and attributes used in request and response. This document also provides sample XML request and response and explains the message structure and the message protocol for the Web Services.



Soap UI was used to test the Web Services.



Microsoft Manual of Style for Technical Publications (MSTP) was adhered to create and review content.



The Web Services guide includes most of the standard sections; namely, cover page, table of contents, overview, description, flowchart, sample request, sample response, description of parameters, and sample error messages for each Web Service.



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ICE Portal Web Services

80

Common Web Services

Version 2.0

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Overview

ICE web services allow ICE distributors and partners to access the data of ICE digital brochure and other content. This document describes all the web services provided by ICE to its distributors and partners.

ICE web services are used by distributors and partners of ICE Portal. Each distributor and partner may have their own system to store their data and CMS. ICE web services help ICE CMS information to interact with other systems and provide the requested information.

Prerequisites for Using the ICE Web Services

- Access to ICE web services portal
- Logon credentials of distributor or partner
- Accept terms and conditions of ICE

Different Categories of ICE Web Services

ICE portal web services are divided into the following categories:

- Common Services Services that are available to all the distributors and partners.
- VFM Services that are exclusively for VFM Hotels.
- Starwood web service Services that are exclusively for Starwood hotels.

This document covers only the common services. The information on other category of web services is available in separate documents.

Common Web Services

These web services are common to all the distributors and partners of ICE. The list of common web services is available at <u>http://services.iceportal.com/Service.asmx</u>.

Following are the most common tasks that can be achieved with common web services of ICE:

1. Receiving information

A distributor or partner can receive information requested from ICE CMS using the following web services:

Brochure Information

- Get Brochure Gets all information about specified brochure.
- **GetAllBrochureIDs** Gets all the brochure IDs that are assigned to or owned by distributor or partner.
- GetAllBrochureIDsV2 Gets all the brochure IDs with date and time of their modification.
- **GetAllMappings** Gets all the mapping IDs for the brochures that are assigned to or owned by distributor or partner.
- **GetBrochureStatus** Gets the current status of brochure (Live, edited or published).
- GetBrochureV1 Gets all the information about specified brochure with complete details about media as dimensions, date created, date modified and so on.
- **GetBrochureV2** Gets all the information about specified brochure with complete details about states, country codes, latitude and longitude
- GetMappingInfo Get information of the brochure according to the mapped ID
- Get Visuals Get the brochure information along with latitude, longitude

Media Information

- o GetDirectVideoLinks Gets direct links of all the videos that are in brochure
- GetImagesOfRoomType Gets images according to the specified room types in a brochure
- GetRoomTypesForImage Gets room types according to the specified images in a brochure
- **GetRoomTypesForProperty** Get all room types for the specified property

Location Information

- o GetCountries Get details of all the countries with their codes
- o GetLanguages Get details of all the languages with their codes
- o GetRegions Get details of all the regions along with their codes
- GetStates Get details of all the states along with their codes

New Brochure Information

- GetNewBrochureIDsSince Gets IDs for all the brochures that are created after the date specified
- o GetNewBrochure Gets all the information about the new brochure
- GetNewBrochuresSince Gets all the information about new brochures that are created after specific date

Get Property Information

- **GetPropertyInfoV1** Gets all the information about a specific property
- **GetPropertyTypes** Gets list of all the different property types available

Brochure Update Information

- GetUpdatedBrochureIDsSince Gets all the brochure IDs that are updated after the specified date
- GetUpdatedBrochuresSinceV1 Gets all the brochure information that is updated after the specified date
- GetUpdatedBrochuresSince Gets all the brochure information that are updated during specified period

2. Searching for information

A distributor or partner can use the following web services to search for information from ICE CMS:

- LookupMappedID Gets the ICE ID of the property that matches the Mapped ID provided.
- SearchBrochures Gets information of the brochures searched according to specified parameters.
- SearchBrochuresV2 Searches for brochures according to specified parameters.

Web Services for Receiving Information

1. Get Brochure

This web service is used to get all the information about brochure content. It collects all the information of the particular brochure requested by the user and lists them. A property is a brochure that is created by a distributor or a partner. Each distributor or partner has access to their property.

Flow Chart for Get Brochure method



Ice Portal Web Services –Get Brochure

Sample Request for Get Brochure



Parameters Required

Parameter	Data Type	Description
Username	String	User ID of the distributor or partner which is used
		to connect to the ICE web services
Password	String	Password of the user
Mapped ID	String	Mapped ID of the brochure

Sample Response for Get Brochure

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<soap:Body>

<GetBrochureResponse xmlns="http://services.iceportal.com/service">

<GetBrochureResult>0</GetBrochureResult>

<ErrorMessage>OK</ErrorMessage>

<brochure>

<request>

<iceID>66421</iceID>

<status>3</status>

<statusText>Approved live</statusText>

</request>

<brochureInfo>

<iceID>66421</iceID>

<hotelName>Hotel Riverview</hotelName>

<address1>Miami</address1>

<address2/>

<address3/>

<city>Florida</city>

<state>Florida (FL)</state>

<country>United States</country>

<*zip/>*

<region>North America</region>

<phoneNumber/>

<brochureUrl>https://uat.iceportal.com/brochures/ice/Brochure.aspx?brochurei
d=66421&did=2633&mtype=2633</brochureUrl>

<videosExist>false</videosExist>

<photosExist>true</photosExist>

<VirtualRealityExists>false</VirtualRealityExists>

<VRsExist>false</VRsExist>

<iFrameExists>false</iFrameExists>

<locationInfoExist>false</locationInfoExist>

</brochureInfo>

<content>

<pictures>

<brochureUrl>https://uat.iceportal.com/brochures/ice/Brochure.aspx?brochurei
d=66421&did=2633&mtype=2633&type=pic</brochureUrl>

<captions>

<Caption>

<ordinal>1</ordinal>

<thumb>

<Item lcid="12">

<text>Receptie</text>

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</Item> <Item lcid="11"> <text>Стойка регистрации</text> </Item> <Item lcid="10"> <text>Recepcja</text> </Item> <Item lcid="9"> <text>접수</text> </Item> <Item lcid="8"> <text>reception</text> </Item> <Item lcid="7"> <text>接待</text> </Item> <Item lcid="6"> <text>

<text>

</text> </Item> <Item lcid="5"> <text>recepção</text> </Item> <Item lcid="4"> <text>recepción</text> </Item> <Item lcid="3"> <text>Réception</text> </Item> <Item lcid="2"> <text>empfang</text> </Item> <Item lcid="1"> <text>Riverview</text> </Item>

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Ice Portal Web Services –Get Brochure

</thumb> <fullSize> <Item lcid="12"> <text>Receptie</text> </Item> <Item lcid="11"> <text>Стойка регистрации</text> </Item> <Item lcid="10"> <text>Recepcja</text> </Item> <Item lcid="9"> <text>접수</text> </Item> <Item lcid="8"> <text>reception</text> </Item> <Item lcid="7"> <text>接待</text> </Item> <Item lcid="6"> <text>

<text>

</text> </Item> <Item lcid="5"> <text>recepção</text> </Item> <Item lcid="4"> <text>recepción</text> </Item> <Item lcid="3"> <text>Réception</text> </Item> <Item lcid="2"> <text>empfang</text>

</Item> <Item lcid="1"> <text>Hotel Riverview Lounge</text> </Item> </fullSize> <longCaption> <Item lcid="12"> <text>Receptie</text> </Item> <Item lcid="11"> <text>Стойка регистрации</text> </Item> <Item lcid="10"> <text>Recepcja</text> </Item> <Item lcid="9"> <text>접수</text> </Item> <Item lcid="8"> <text>reception</text> </Item> <Item lcid="7"> <text>接待</text> </Item> <Item lcid="6"> <text> レセプション</text> </Item> <Item lcid="5"> <text>recepção</text> </Item> <Item lcid="4"> <text>recepción</text> </Item> <Item lcid="3">

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</Item>

<Item lcid="2">

<text>empfang</text>

<text>Réception</text>

</Item>

<Item lcid="1">

<text>Riverview Lounge</text>

</Item>

</longCaption>

</Caption>

</captions>

<categories>

<Category>

<ordinal>1</ordinal>

<MainCategory>2</MainCategory>

<SubCategory>12</SubCategory>

</Category>

</categories>

<images>

<BrochureImage>

<ordinal>1</ordinal>

<thumbUrl>https://uat.iceportal.com/brochures/Media/Show/photoThumb.aspx?did =2633&brochureid=66421&mtype=2633&publicid=7809506&instancei d=3&resizing=xxl</thumbUrl>

<mediaLink>https://uat.iceportal.com/brochures/Media/Show/photo.aspx?did=263 3&brochureid=66421&mtype=2633&publicid=7809506&instanceid=3& amp;resizing=xxl</mediaLink>

<brochureUrl>https://uat.iceportal.com/brochures/ice/Brochure.aspx?brochurei
d=66421&did=2633&mtype=2633&index=0&type=pic</brochureUrl>

<modifiedDate>06/24/2015</modifiedDate>

</BrochureImage>

</images>

</pictures>

</content>

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In response, the web service returns the brochure information along with the content information that includes:-

- Status of the brochure (Live, Approved, Edited or Pending)
- Complete brochure information such as name, contact address, and contact numbers
- Complete media information such as captions to the media, languages used, media links and URLs for thumb size, full size, images, videos, 360s, and so on
- o Constraints implied on media
- o Categories used for media

Response Fields

Parameter	Description
GetBrochureResult	0 = no error, 1 = error
iceID	ICE ID assigned to the requested Mapped ID
Status	1 : Edited Brochure
	2 : Approval Pending
	3 : Approved Live
brochureInfo	Complete information of Brochure
hotelName	Name of the hotel

Ice Portal Web Services –Get Brochure

address1, city, state,	Contact details of the hotel
country, zip, region	Constant number of the best
pnoneinumber	
	URL of the brochure
VIDEOSEXIST	False: No videos are attached with this brochure
nhotosEvist	False: Photos are attached with this brochure
photosexist	True: Photos are attached with this brochure
VirtualRealitvExists	False: No 360s are attached with this brochure
, , ,	True: 360s are attached with this brochure
VRsExist	False: No VRs are attached with this brochure
	True: VRs are attached with this brochure
iFrameExists	False: No iFrame is attached with this brochure
	True: iFrame is attached with this brochure
locationInfoExist	False: No location information is attached with this
	brochure
	True: Location information is attached with this brochure
Content	Contains all content information
Captions	Contains all the captions provided for the attached
	pictures and videos
Ordinal	Picture ID
Thumb	Thumbnail information such as URL, caption of the
	image
fullSize	Full size image information
longCaption	Long caption for the image
Item Icid	This is the ID of language used. ICE uses 12 different
	languages for captions.
Text	Text of the caption in selected language
Categories	Category to which the image belongs to. ICE provides
	wide range of categories listed. This parameter
	describes the selected category for particular image.
MainCategory	Main category selected
SubCategory	Sub category selected
thumbUrl	URL of the thumbhail used
mediaLink	URL of the media link for selected image
brochureUri	Brochure URL of the selected brochure
modifiedDate	Date on which the content is modified
Constraints	Constraints are to restrict the way the brochure viewed
	by others
showvideos	
al au Distance	I rue: enables videos
showPictures	False: disables pictures
ah awy/interalDeality	I rue: enables pictures
showvinualReality	Faise: disables virtual reality
abowPataoPasaryations	Folger disables virtual feality
SHOWRALESRESEIVALIONS	True enables rates and recervations information
abowConorollato	Folger disables appared information
ShowGeneralinto	raise. uisables general information
about costion	
SHOWLOCATION	raise. disables location information

Ice Portal Web Services –Get Brochure

	True: enables location information
showPDFLink	False: disables PDF link
	True: enables PDF link
showLang	False: disables language option (displays only one
	language)
	True: enables language option (displays in 12
	languages)
showEmailLink	False: disables email link
	True: enables email link
showHD360PropertyMap	False: disables 360 degrees property map
	True: enables 360 degrees property map
showlframe	False: disables iframe
	True: enables iframe

Error Messages for Get Brochure

Get Brochure method generates error messages or responses when the parameters provided are not valid or requested parameters are not passed.

Sample response when logon credentials are not valid

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
<soap:Body>
<GetBrochureResponse xmlns="http://services.iceportal.com/service">
<GetBrochureResponse xmlns="http://services.iceportal.com/service">
<GetBrochureResponse xmlns="http://services.iceportal.com/service">
<GetBrochureResponse xmlns="http://services.iceportal.com/service">
<GetBrochureResponse xmlns="http://services.iceportal.com/service">
<GetBrochureResponse xmlns="http://services.iceportal.com/service">
</getBrochureResponse xmlns="http://services.iceportal.com/service">
</getBrochureResponse xmlns="http://services.iceportal.com/service">
</getBrochureResponse</p>
```

Response Fields

Parameter	Description
GetBrochureResult	0 = no error, 1 = error
ErrorMessage	Authentication failed – User name or Password is not valid

Sample response when Mapped ID is not valid or blank:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
```

```
<soap:Body>
```

```
<GetBrochureResponse xmlns="http://services.iceportal.com/service">
    <GetBrochureResult>-1</GetBrochureResult>
    <ErrorMessage>Requested MappedId not found.</ErrorMessage>
    </GetBrochureResponse>
    </soap:Body>
</soap:Envelope>
```

Response Fields

Parameter	Description
GetBrochureResult	0 = no error, 1 = error
ErrorMessage	Requested MappedId not found – The Mapped ID provided is not in database or Mapped ID is blank

2. Get All Brochure IDs

<<Please note that this sample does not include the complete content in all the Chapters/Sections/Headings of this document.>>

3. Get All Brochure IDs V2

<<Please note that this sample does not include the complete content in all the Chapters/Sections/Headings of this document.>>

4. Get All Mappings

<<Please note that this sample does not include the complete content in all the Chapters/Sections/Headings of this document.>>

5. Get Brochure Status

<<Please note that this sample does not include the complete content in all the Chapters/Sections/Headings of this document.>>

6. Get Countries

<<Please note that this sample does not include the complete content in all the Chapters/Sections/Headings of this document.>>

7. Get BrochureV1

<<Please note that this sample does not include the complete content in all the Chapters/Sections/Headings of this document.>>

8. Get BrochureV2

<<Please note that this sample does not include the complete content in all the Chapters/Sections/Headings of this document.>>

9. Get Direct Video Links

10. Get Languages

<<Please note that this sample does not include the complete content in all the Chapters/Sections/Headings of this document.>>

11. Get Images of Room Type

<<Please note that this sample does not include the complete content in all the Chapters/Sections/Headings of this document.>>

12. Get Property Info V1

<<Please note that this sample does not include the complete content in all the Chapters/Sections/Headings of this document.>>

13. Get Property Types

<<Please note that this sample does not include the complete content in all the Chapters/Sections/Headings of this document.>>

14. Get New Brochure IDs Since

<<Please note that this sample does not include the complete content in all the Chapters/Sections/Headings of this document.>>

15. Get New Brochure

<<Please note that this sample does not include the complete content in all the Chapters/Sections/Headings of this document.>>

16. Get Room Types for Property

<<Please note that this sample does not include the complete content in all the Chapters/Sections/Headings of this document.>>

17. Get States

18. Get Updated Brochure IDs

<<Please note that this sample does not include the complete content in all the Chapters/Sections/Headings of this document.>>

19. Get Updated Brochure IDs Since V1

<<Please note that this sample does not include the complete content in all the Chapters/Sections/Headings of this document.>>

20. Get Updated Brochures Since

<<Please note that this sample does not include the complete content in all the Chapters/Sections/Headings of this document.>>

21. Get Visuals

Web Services for Searching Information

22. Lookup Mapped ID

<<Please note that this sample does not include the complete content in all the Chapters/Sections/Headings of this document.>>

23. Search Brochures