

The event starts soon!

- **Submit questions** by selecting the Q&A feature on the top right of your screen (the moderator will inform when the feature is open)
- Type your question in the compose box and hit “send”
- To submit anonymously, select “ask Anonymously”
- Not all questions may be published or answered
- Upvote questions you want asked

The Virtual Developer Bench

The Developer Experience Team

18 May 2021



Sabre

V I R T U A L
Developer
Bench

2021



Content Services for Lodging

The Developer Experience Team

18 May 2021

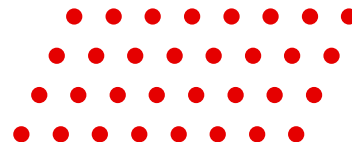
Presenters



Samantha Alexander-Munns
Product Management



Sarang Agarwal
Technical Product Management



The Virtual Developer Bench



The Virtual Developer Bench is the developer's opportunity to engage *directly* with the Sabre experts who know their product inside and out.

By the end of today's call you will:

- Understand the benefits of the new CSL platform
- Be familiar with the API workflow associated with the CSL platform
- Have a high level overview of all the new features of the CSL API's

Mentimeter Survey

Please go to www.menti.com and
use the code: 2481 5555

60 seconds



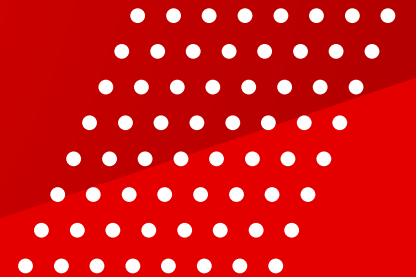
Agenda



- 01** Overview of CSL
- 02** The CSL APIs
- 03** Booking/Post Booking
- 04** Product Normalization
- 05** Latest Schema updates
- 06** Demo
- 07** Q & A



WHAT IS CONTENT SERVICES FOR LODGING



CONTENT SERVICES FOR LODGING

LODGING REIMAGINED. TURNING TRENDS INTO INNOVATIONS.

Source
agnostic



Normalizing
sources



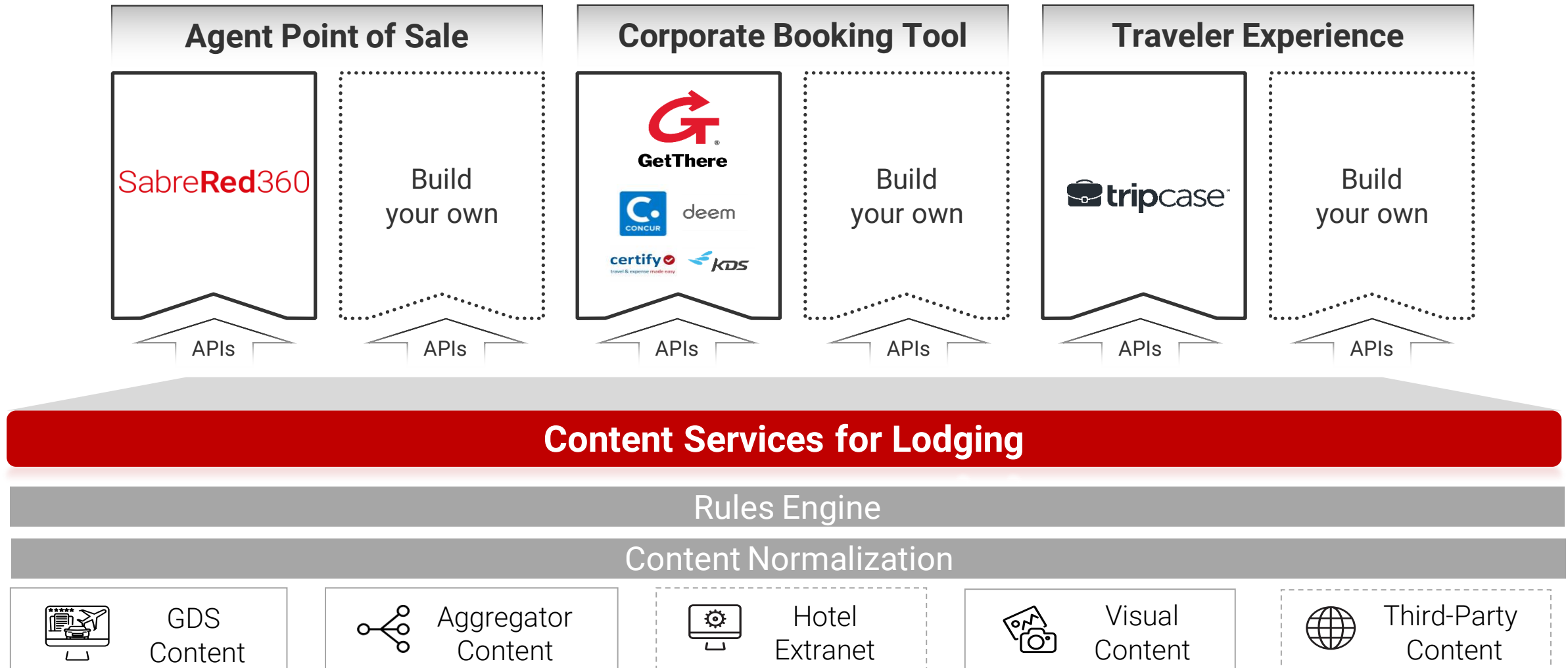
Comparison
shopping



Apply policy, preferencing
and management



Integrated into the Sabre Platform



What is the difference between Legacy GDS and Content Services for Lodging (CSL)?

Content Services for Lodging

Sabre GDS

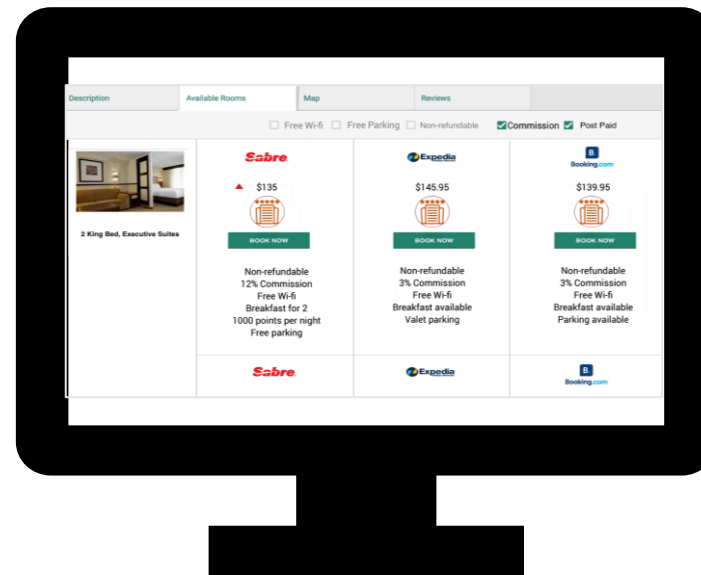
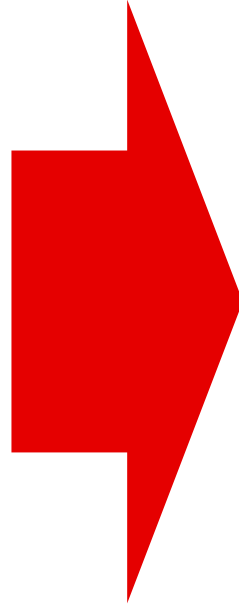
Booking.com



bedsonline






expedia group
partner solutions



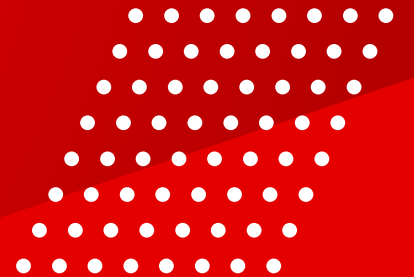
Aggregates, normalizes and structures travel offerings from **multiple** distribution outlets (including both GDS and aggregator sources)

Connects users to third-party relationships through **credential-based viewership**

Offering Aggregator Content That Fits Your Needs

			
Properties	~946k	~209k	~418k
Property Types	Hotel, Motel, Resort, Apartment, Hostel, B&B, Inn, Vacation Rentals, etc.	Hotels, Motels, Resorts	Hotel, Motel, Resort, Apartment, B&B, Vacation Rentals
Payment Types	Pre-pay Post-pay	Prepay only	Pre-pay Post-pay
Rate Type	Commissionable Rates	Net Rates	Commissionable Rates
Cancel Policies	Flexible Cancellation Policies	Flexible Cancellation Policies	Flexible Cancellation Policies
Customer Support	24/7 Support	24/7 Support	24/7 Support

THE CSL API'S



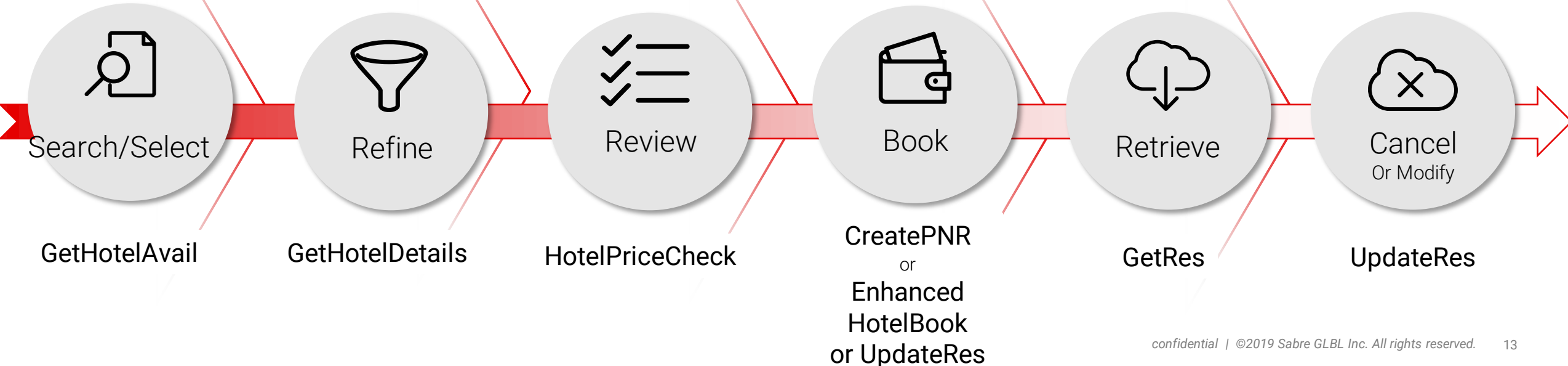
CSL APIs - Shopping and Booking Workflow



Content Services for Lodging

Orchestrated APIs

Offering a more modern, flexible lodging solution than ever before.



CSL Orchestrated APIs



Search/Select

GetHotelAvail

Generate a list of Lodging options with a lead rate from multiple supply sources

- GetHotelList
- GetHotelLeadRate
- GeoSearch
- GetHotelImage



Refine

GetHotelDetails

Identify all rates/products from multiple supply sources for a single property

- GetHotelDescriptiveInfo
- GetHotelMedia
- GetHotelRateInfo

These orchestrated APIs are perfect for customers who want a more “off-the-shelves” product and don’t need something that is highly customized.

Get Hotel Avail



Many ways to search



Returns rich hotel content



Produces **RateKey** UUIDs

```
"GetHotelAvailRS": {  
  "ApplicationResults": { ...  
},  
  "HotelAvailInfos": {  
    "Offset": 2,  
    "MaxSearchResults": 763,  
    "ShopKey": "48ff454e-b83d-4c4f-aeb9-1bc9f3df8794",  
    "SearchLatitude": 32.758,  
    "SearchLongitude": -97.08,  
    "HotelAvailInfo": [  
      {  
        "HotelInfo": { ...  
      },  
      "HotelRateInfo": {  
        "RateInfos": {  
          "RateInfo": [ ...  
        ],  
        "ConvertedRateInfo": [ ...  
      ]  
    },  
    "Rooms": {  
      "Room": [ ...  
    ],  
  },  
  "AvailableRatePlans": {  
    "AvailableRatePlan": [  
      {  
        "RatePlanCode": "IBM",  
        "RatePlanType": "10",
```

GetHotelAvail

Input





- Geo: Airport Code, Place Name, Address, Geocode, Point of Interest all with Radius and Polygon
- Rate Plan Type, Negotiated Rates, Corporate Rates, Publicly Available Rates
- Loyalty IDs, Corporate Discount Code, Frequent Flyer ID
- Specific properties: Global ID, Sabre ID
- Occupancy and Rooms
- Pagination
- Property Type Codes
- Sabre Property Rating
- Agency Preferencing
- Prepaid Qualifier
- Supply Sources
- Amenity Codes
- Stay Dates
- Page Size
- Sort Order
- Currency
- Min and Max Rate
- Brand Code
- Chain Codes

The API **resolves the location**, identifies the appropriate properties based on the request and then **queries the supply source systems** including **Hotel suppliers and Aggregators** for availability based on the request.

It then returns the availability details with a **lead rate and property information**.

Output

- Brand Code and Chain Code
- Property ID
- Room Type and Description
- **Rate Key**
- Tier Labels
- List of Amenities
- Average Nightly Rate
- Amounts before and after Tax
- Tax breakdown
- Fees breakdown
- Cancel Penalty Information
- Guarantee Information
- Commission Information
- Supply Source
- Leading image for the property
- Property Rating

	<p>Palm Beach Plaza Hotel</p> <p>Jaime Zudañez 2881, Montevideo, UY</p> <p>★★★★☆</p> <p>2.2 Miles From Center</p> <p>⌚ 24-hour front desk</p> <p>☕ Coffee shop</p> <p>🗣 Multilingual staff</p> <p>📰 Complimentary newspaper in lobby</p> <p>🚗 Transportation</p>	<p>95.12 USD</p> <p>47.56 USD avg/night</p> <p>Expedia</p> <p>Non-Refundable</p> <p>Pre-Pay</p> <p>Gross Profit Online: 19.49 USD</p> <p>VIEW DETAILS</p>
	<p>Aloft Montevideo Hotel</p> <p>Victor Solino 350, Montevideo, UY ☎ 598-2-7161111</p> <p>★★★</p> <p>2.2 Miles From Center</p> <p>⌚ 24-hour front desk</p> <p>🏢 Conference facilities</p> <p>🍸 Lounges/bars</p> <p>🏠 Meeting rooms</p> <p>🛒 Grocery store</p>	<p>198.05 USD</p> <p>99.03 USD avg/night</p> <p>MARRIOTT SENIOR DISC.</p> <p></p> <p>Refundable</p> <p>Published</p> <p>Commissionable</p> <p>VIEW DETAILS</p>
	<p>Armon Suites Hotel</p> <p>21 De Septiembre 2885 Esquina Berro., Montevideo, UY</p> <p>★★★★★</p> <p>2.3 Miles From Center</p> <p>⌚ 24-hour front desk</p> <p>🗣 Multilingual staff</p> <p>💒 Wedding services</p> <p>📰 Complimentary newspaper in lobby</p> <p>🍸 Lounges/bars</p>	<p>120.06 USD</p> <p>60.03 USD avg/night</p> <p>Booking.com</p> <p>Refundable</p> <p>Post-Pay</p> <p>Commission: 6 USD</p> <p>VIEW DETAILS</p>

Get Hotel Details



Details for the room rate plans



Links to detailed preview media



Combined rate sources



RateKeys for shopping

```
"GetHotelDetailsRS": {  
  "ApplicationResults": { ...  
},  
  "HotelDetailsInfo": {  
    "HotelInfo": { ...  
  },  
  "AlternateHotelInfos": {  
    "AlternateHotelInfo": [ ...  
  ]  
},  
  "HotelDescriptiveInfo": { ...  
},  
  "HotelRateInfo": {  
    "RateInfos": {  
      "ShopKey": "06a8f6abd91b-",  
      "RateInfo": [  
        {  
          "StartDate": "2022-01-16",  
          "EndDate": "2022-01-22",  
          "AmountBeforeTax": "923.12",  
          "AmountAfterTax": "1023.12",  
          "MinSellingRate": "976.33",  
          "AverageNightlyRate": "170.52",  
          "AverageNightlyRateBeforeTax": "134.52",  
          "CurrencyCode": "AUD",  
          "AdditionalFeesInclusive": true,  
          "TaxInclusive": true,  
          "LocalFeesInclusive": true,  
          "IncidentalsInclusive": true,  
          "RateSource": "100",  
        }  
      ]  
    }  
  }  
}
```


Input

- Provides **specific property availability**, with **descriptive** and **visual content**, from **all** requested **supply sources or per supply source** based on a specific stay period and occupancy.

Output

- # Radisson Montevidео Plaza Htl

759 Plaza Independencia, Montevideo, 11100, UY ☎ +598-2-9020111



Radisson Hotels And Resorts

★★★★★

Property Types

 - Hotel



Amenities

 - 24-hour front desk
 - Multilingual staff
 - Wedding services
 - Bell staff/porter
 - Beauty shop/spa/salon
 - Complimentary newspaper in lobby
 - Casino
 - Concierge desk
 - Business center
 - Conference facilities

\$318.40 USD

159.20 USD avg/night

Description
Available Rooms
Map

			Sort By Price Low to High ▼
<p>Not Specified</p> <p>Bed Type : Single</p>	<p>Booking.com</p> <p>✓ Refundable</p> <p>Commission: 15.92 USD</p> <p>Rate Type: Published</p> <p>Rooms Left: 5</p> <p>Max Occupancy: 1</p>	<p>\$318.40 USD</p> <p>159.20 USD avg/night</p> <p>DETAILS</p>	RESERVE
<p>STAY 2 - SAVE WEEKDAYS</p> <p>Bed Type :</p>	 <p>✓ Refundable</p> <p>Commission: "Non-commissionable Product"</p> <p>Product Code: ROH</p> <p>Rate Type: Regular/rack</p> <p>Guarantee: Guarantee Required</p> <p>Max Occupancy: Not Specified</p>	<p>\$318.40 USD</p> <p>159.20 USD avg/night</p> <p>DETAILS</p>	RESERVE
<p>STAY 2 - SAVE WEEKDAYS</p> <p>Bed Type :</p>	 <p>✓ Refundable</p> <p>Commission: "Non-commissionable Product"</p> <p>Product Code: ROH</p> <p>Rate Type: Regular/rack</p> <p>Guarantee: Guarantee Required</p> <p>Max Occupancy: Not Specified</p>	<p>\$318.40 USD</p> <p>159.20 USD avg/night</p> <p>DETAILS</p>	RESERVE

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HotelPriceCheck

Input

API Client uses HotelPriceCheck to obtain **specific product/rate data**, validate its availability and obtain any other necessary data

API Client receives a **structured response**, processes and renders in a single product display and prepares to collect booking information

Output

- RateKey

Booking Information

Guest Information

First Name

Last Name

Email

Payment Information

Credit Card Type

Debit/Credit Card Number

Month

Year

Security Code

Card Holder First Name

Card Holder Last Name

Card Holder Phone

Card Holder Address

Secure Booking

Radisson Montevideo Plaza Htl

Address

759 Plaza Independencia, Montevideo, 11100, UY

Phone

598-2-9020111

Product Name/Description

Premium Queen Suite with River View - Breakfast included in the price - Booking.com rate

Bed Type

Queen

Supply Source

Booking.com

Check-In Date

Sun May 19 2019

Check-Out Date

Tue May 21 2019

Guests

1

Nights

2

Nightly Rates

Not Specified

Taxes and Fees

Not Specified

Not Specified

Amount Before Tax

Not Specified

Total Due Amount

548.00 USD

Payment Type

Post-Pay

Refundable

Cancellation Policy

Refundable from May 9, 2019 19:00 local time
Cancellation Penalty: 0.00 USD
You may cancel free of charge until 18:00 on the day of arrival. You will be charged the first night if you cancel after 18:00 on the day of arrival.

- Amounts Before Tax and After Tax
- Price Change Indicator
- Price Difference where applicable
- **Booking Key**
- Cancel Penalty information
- Commission Information
- Guarantee Information
- Minimal property information

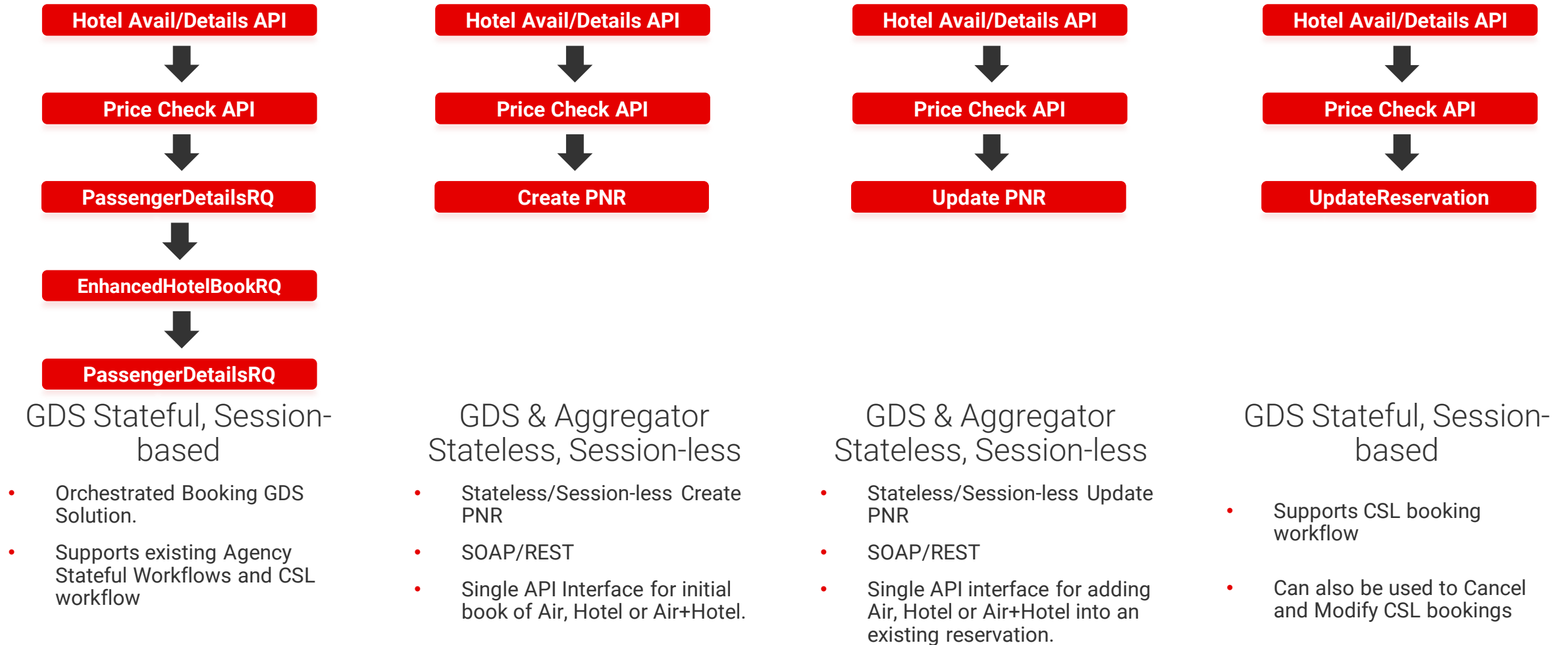
BOOKING/POST BOOKING



Overview - Booking APIs

API Name	Description	REST/SOAP
Enhanced Hotel Book	Orchestrated booking service that can book new CSL content via legacy (temporary solution) or CSL workflow.	SOAP
UpdateReservation	Adds a hotel segment to a new or existing PNR in a two step booking process. Commits the booking and obtains the confirmation from the supplier. Also used to Cancel or modify an existing booking.	SOAP
CreatePassengerNameRecord	Books a property using a single step booking process and creates a PNR.	REST
UpdatePassengerNameRecord	Books a property using a single step booking process in an existing PNR.	REST
GetRes	Enables retrieval of an existing hotel itinerary.	SOAP
GetBooking	Enables retrieval of an existing hotel itinerary	REST

CSL Booking Solutions – E2E Workflows



CreatePassengerNameRecord – 1 Step

Input

- **Booking Key**
- Guest Information
- Payment Information
- Point of Sale Information
- Special Instructions

API client **books specific product/rate data**, which updates an **active segment** in PNR

API client receives a response, processes and renders in a display full confirmation in Agent point of sale including Sabre PNR, Supplier Confirmation number and full reservation details

Output

- Code Confirmation Number
- Check in and Check out Dates
- Total Amount
- Tax and Fee breakdown
- Cancellation Information
- Supplier Confirmation Number
- PNR Record Locator
- Booking Status Code
- Property Code and Address
- Check in and Check out Dates

Booking Confirmation

Confirmation Number
Record Locator

INITEDHCNV1
EDHCNV

Product Name/Description

Supply Source

Check-In Date

Check-Out Date

Nights

Guest Count

Premium Queen Suite with River View - Breakfast included in the price - Booking.com rate

Booking.com

2019-05-19

2019-05-21

2

1

Surcharges

Taxes and Fees

Total Charged Amount

Payment Type

Not Specified

Not Specified

548.00 USD

Post-Pay

Radisson Montevideo Plaza Htl

Address

Phone

759 Plaza Independencia, Montevideo, 11100, UY

598-2-9020111

Cancellation Policy

Refundable

Refundable from May 9, 2019 19:00 local time

You may cancel free of charge until 18:00 on the day of arrival. You will be charged the first night if you cancel after 18:00 on the day of arrival.

Guarantee Type

Guarantee Required

UpdateReservation – Step 1 Initiate

Input

- **Booking Key**
- Guest Information
- Payment Information
- Point of Sale Information
- Special Instructions

API client **submits guest and payment information** with specific product/rate and supply source selection, to begin to create **an active segment** in Sabre PNR
API client receives successful structured response from UpdateReservation, processes and renders part-confirmation in an Agency point of sale including Sabre PNR

Output

- Booking Status Code
(Confirmed/Pending/Rejected)
- Confirmation Number
- PNR record locator
- Property Code and Address
- Check in and Check out Dates
- Total Amount
- Tax and Fee breakdown
- Cancellation Information

Booking Confirmation Secure Booking	
Confirmation Number	INITEDHCNV1
Record Locator	EDHCNV
Product Name/Description	
Premium Queen Suite with River View - Breakfast included in the price - Booking.com rate	
Supply Source	Booking.com
Check-In Date	2019-05-19
Check-Out Date	2019-05-21
Nights	2
Guest Count	1
Surcharges	
Not Specified	
Taxes and Fees	
Not Specified	
Total Charged Amount	
548.00 USD	
Payment Type	
Post-Pay	

Radisson Montevideo Plaza Htl	
Address	759 Plaza Independencia, Montevideo, 11100, UY
Phone	598-2-9020111
Cancellation Policy	
Refundable	
Refundable from May 9, 2019 19:00 local time	
You may cancel free of charge until 18:00 on the day of arrival. You will be charged the first night if you cancel after 18:00 on the day of arrival.	
Guarantee Type	
Guarantee Required	

UpdateReservation – Step 2 Commit

Input

- **Booking Key**
- PNR Record Locator
- Confirmation Number
- Guest Information
- Payment Information

API client **books specific product/rate data**, which updates an **active segment** in PNR

API client receives a response, processes and renders in a display full confirmation in Agent point of sale including Sabre PNR, Supplier Confirmation number and full reservation details

Output

- Supplier Confirmation Number
- PNR Record Locator
- Booking Status Code
- Property Code and Address
- Check in and Check out Dates
- Total Amount
- Tax and Fee breakdown
- Cancellation Information

Booking Confirmation Secure Booking	
Confirmation Number	INITEDHCNV1
Record Locator	EDHCNV
Product Name/Description	Premium Queen Suite with River View - Breakfast included in the price - Booking.com rate
Supply Source	Booking.com
Check-In Date	2019-05-19
Check-Out Date	2019-05-21
Nights	2
Guest Count	1
Surcharges	Not Specified
Taxes and Fees	Not Specified
Total Charged Amount	548.00 USD
Payment Type	Post-Pay

Radisson Montevideo Plaza Htl	
Address	759 Plaza Independencia, Montevideo, 11100, UY
Phone	598-2-9020111
Cancellation Policy	
Refundable	
Refundable from May 9, 2019 19:00 local time	
You may cancel free of charge until 18:00 on the day of arrival. You will be charged the first night if you cancel after 18:00 on the day of arrival.	
Guarantee Type	
Guarantee Required	

Enhanced Hotel Book

Input

- **Booking Key**
- Payment Information
- Point of Sale Information
- Special Instructions

PNR created using PassengerDetailsRQ prior to making booking request with EHB. PNR committed using PassengerDetailsRQ following successful booking response. BookGDSviaCSL flag used to determine whether booking legacy vs CSL segment

Output

- Booking Status Code (Confirmed/Pending/Rejected)
- Confirmation Number
- PNR record locator
- Property Code and Address
- Check in and Check out Dates
- Total Amount
- Tax and Fee breakdown
- Cancellation Information

Booking Confirmation Secure Booking	
Confirmation Number	INITEDHCNV1
Record Locator	EDHCNV
Product Name/Description	Premium Queen Suite with River View - Breakfast included in the price - Booking.com rate
Supply Source	Booking.com
Check-In Date	2019-05-19
Check-Out Date	2019-05-21
Nights	2
Guest Count	1
Surcharges	Not Specified
Taxes and Fees	Not Specified
Total Charged Amount	548.00 USD
Payment Type	Post-Pay

Radisson Montevideo Plaza Htl

Address

759 Plaza Independencia, Montevideo, 11100, UY

Phone

598-2-9020111

Cancellation Policy

Refundable
Refundable from May 9, 2019 19:00 local time
You may cancel free of charge until 18:00 on the day of arrival. You will be charged the first night if you cancel after 18:00 on the day of arrival.

Guarantee Type

Guarantee Required

UpdateReservation – Cancel

Input

- PNR Record Locator
- Segment ID

Once a PNR has been created, this web service offers functionality to allow the Agency to cancel their booking

Output

- Supplier Cancellation Number
- Booking status code
- Original confirmation number



Cancel

UpdateReservation – Modify

Input

- PNR Record Locator
- Supplier Confirmation Number
- Unchanged information from existing reservation
- New data to be modified

Once a PNR has been created, this web service offers functionality to allow the Agency to change their booking

Output

- Supplier
- Booking status code
- Original confirmation number

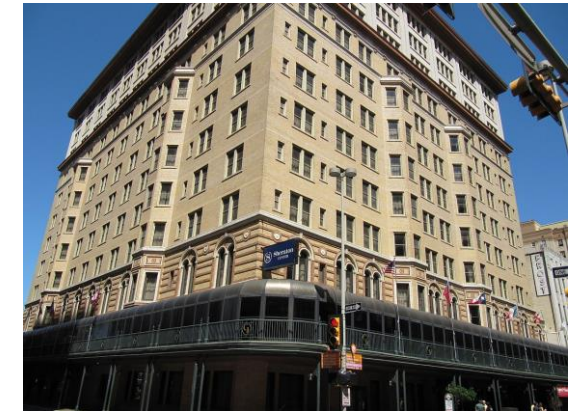
PRODUCT NORMALIZATION



Normalization is key to efficiently consume multiple sources of content











Property normalization

- Normalization of property level static content
 - ❖ CSL currently includes hotel properties from four sources
 - ❖ Shopping response only shows same property once
 - ❖ Property content is displayed as per sourcing priority
 - ❖ Chain content is number one priority



Product Normalization

- Normalization of room and rate level content
 - ❖ For each property, rates are shown for all available sources, if credentials available
 - ❖ Display all relevant room and rate attributes in a normalized way & structured format – allowing for comparison shopping across the different sources
 - ❖ Group rates under a standardized room type

Description	Available Rooms	Map	Reviews
<input type="checkbox"/> Free Wi-fi <input type="checkbox"/> Free Parking <input type="checkbox"/> Non-refundable <input checked="" type="checkbox"/> Commission <input checked="" type="checkbox"/> Post Paid			
 2 King Bed, Executive Suites	 ▲ \$135  BOOK NOW Non-refundable 12% Commission Free Wi-fi Breakfast for 2 1000 points per night Free parking	 \$145.95  BOOK NOW Non-refundable 3% Commission Free Wi-fi Breakfast available Valet parking	 \$139.95  BOOK NOW Non-refundable 3% Commission Free Wi-fi Breakfast available Parking available
			

Same rate described differently across channels

Source A

```
<Room>
  <RoomDescription Name="Regular rate">
    <Text>Flexible rate, concierge level, guest room with ocean vw, 1Kg bd
    , hot bkfst and park incl, wi-fi/iron/fm radio/HDTV/phone/desk
  </Text>
  </RoomDescription>
</Room>
```

Source B

```
<Room RoomView="Ocean View">
  <BedTypes>
    <BedType Count="1" Description="Large Bed"/>
  </BedTypes>
  <RoomDescription Name="Club Room">
    <Text>A 32-inch flat-screen TV is included in the spacious living
    area, along with a work desk. This room includes club room access
    . The club room offers a hot buffet breakfast, hors d'oeuvres,
    late night snacks and non-alcoholic beverages.</Text>
  </RoomDescription>
  <Amenities>
    <Amenity Description="Free Internet" Code="222"/>
    <Amenity Description="Iron" Code="55"/>
    <Amenity Description="Widescreen TV" Code="273"/>
    <Amenity Description="AM/FM radio" Code="5"/>
    <Amenity Description="Hairdryer" Code="50"/>
    <Amenity Description="Telephone" Code="107"/>
    <Amenity Description="Air conditioning" Code="2"/>
    <Amenity Description="Work Desk" Code="28"/>
  </Amenities>
  <RatePlanInclusions>
    <RatePlanInclusionDescription Name="Free Parking" Code="42"/>
  </RatePlanInclusions>
  <MealsIncluded MealPlanCode="19" MealPlanDescription="Breakfast"/>
</Room>
```

Same rate described differently across channels

Regular rate

VIEW MORE DETAILS ▶

Source A

● 121.80 USD ▼ ^

avg. nightly rate

Total Taxes : 34.50 USD

Total Fees : 2.09 USD

Value Added Tax (Vat) : 34.50 USD

Room Description : Flexible rate, concierge level, guest room with ocean vw, 1Kg bd, hot bkfst and park incl, wi-fi/iron/fm radio/HDTV/phone/desk

Cancellation : Refundable from March 12, 2021 00:00. You may cancel free of charge until 00:00 on the day of arrival. You will be charged the ... [VIEW MORE DETAILS](#)

Guarantee : Credit card required. The following credit cards are accepted... [VIEW MORE DETAILS](#)

Additional Details : Guests are required to show a photo identification and credit card upon check-in. Please note that all Special Requests are subject... [VIEW MORE DETAILS](#)

BOOK

Source A

Source B

Club Room

Large Bed Breakfast Included Ocean View

Free parking

Free Internet Iron Widescreen TV AM/FM Radio Hair Dryer Telephone Air conditioning Work Desk [Show Less](#)

VIEW MORE DETAILS ▶

Source B

● 121.80 USD ▼ ^

avg. nightly rate

Total Taxes : 34.50 USD

Total Fees : 2.09 USD

Value Added Tax (Vat) : 34.50 USD

Room Description : A 32-inch flat-screen TV is included in the spacious living area, along with a work desk. This room includes club room access. The club room offers a hot buffet breakfast, hors d'oeuvres, late night snacks and non-alcoholic beverages.

Cancellation : Refundable from March 12, 2021 00:00. You may cancel free of charge until 00:00 on the day of arrival. You will be charged the ... [VIEW MORE DETAILS](#)

Guarantee : Credit card required. The following credit cards are accepted... [VIEW MORE DETAILS](#)

Additional Details : Guests are required to show a photo identification and credit card upon check-in. Please note that all Special Requests are subject... [VIEW MORE DETAILS](#)

BOOK

Product normalization - how we are solving it



- Breakdown unstructured description into structured product attributes
 - “1 kg bd” is mapped to “1 King Bed”
 - “Park incl” is mapped to “ Free Parking”
- Normalize attributes to a common standard (OTA Codes)
 - “Kg bd” and “Large Bed” are normalized to “King Bed”
- Feedback loop with customers and suppliers
- Continued additions to mapping library to improve coverage and accuracy
- <https://developer.sabre.com/guides/csl-product-normalization>

After Normalization

Source A

```
<Room>
  <RoomDescription Name="Regular rate">
    <Text>Flexible rate, concierge level, guest room with ocean vw, 1Kg bd
      , hot bkfst and park incl, wi-fi/iron/fm radio/HDTV/phone/desk
    </Text>
  </RoomDescription>
</Room>
```

```
<Room GuestRoomInfo="74" GuestRoomDescription="Executive/Club Room" RoomView
="11" RoomViewDescription="Ocean View">
  <BedTypes>
    <BedType Count="1" Code="3" Description="King Bed"/>
  </BedTypes>
  <RoomDescription Name="Regular Rate">
    <Text>Flexible rate, concierge level, guest room with ocean vw, 1Kg
      bd, hot bkfst and park incl, wi-fi/iron/fm radio/HDTV/phone/desk
    </Text>
  </RoomDescription>
  <Amenities>
    <Amenity Description="Internet" Code="222"/>
    <Amenity Description="Iron" Code="55"/>
    <Amenity Description="Widescreen TV" Code="273"/>
    <Amenity Description="AM/FM radio" Code="5"/>
    <Amenity Description="Telephone" Code="107"/>
    <Amenity Description="Work Desk" Code="28"/>
  </Amenities>
  <RatePlanInclusions>
    <RatePlanInclusionDescription Name="Free Parking" Code="42"/>
  </RatePlanInclusions>
  <MealsIncluded MealPlanCode="19" MealPlanDescription="Breakfast"/>
</Room>
```

After product normalization

Regular rate

Executive/Club Room King Bed Breakfast included Ocean View

Free parking

✓ Internet ✓ Iron ✓ Widescreen TV ✓ AM/FM Radio ✓ Telephone ✓ Work Desk [Show Less](#)

[VIEW MORE DETAILS](#)

Source A

● 121.80 USD ▼

avg. nightly rate ^

Total Taxes : 34.50 USD

Total Fees : 2.09 USD

Value Added Tax (Vat) : 34.50 USD

Room Description : Flexible rate, concierge level, guest room with ocean vw, 1Kg bd, hot bkfst and park incl, wi-fi/iron/fm radio/HDTV/phone/desk

Cancellation : Refundable from March 12, 2021 00:00. You may cancel free of charge until 00:00 on the day of arrival. You will be charged the ... [VIEW MORE DETAILS](#)

Guarantee : Credit card required. The following credit cards are accepted... [VIEW MORE DETAILS](#)

Additional Details : Guests are required to show a photo identification and credit card upon check-in. Please note that all Special Requests are subject... [VIEW MORE DETAILS](#)

BOOK

Source A

Product attributes



Bed type

Double, Queen



Room type

Deluxe Room, Premier Suite



Value adds

Free Wifi, Free Shuttle



Meal plans

Breakfast, Full board



Amenities

TV, Coffee/Tea Maker, Safe



Room View

Ocean View, Mountain View



Loyalty

Points Eligible, 2X Points,



Commissions

10% Commission, Flat \$20



Taxes and fees

\$25.98 VAT Tax, \$32.98 Resort fee



Payment

Prepaid Rates, Pay at Hotel



NEW VERSION UPDATES



GETHOTELAVAIL

- Return lat/long of search results
- Return new element – AverageNightlyRateBeforeTax – in the response
- New Search filter for property quality
- Support alternative properties in the response
- Additional normalization attributes added with text descriptions
- Return other negotiated rate codes that may be available at the property

```
"GetHotelAvailRS": {
  "ApplicationResults": { ...
},
"HotelAvailInfos": {
  "OffSet": 2,
  "MaxSearchResults": 763,
  "ShopKey": "48ff454e-b83d-4c4f-aeb9-1bc9f3df8794",
  "SearchLatitude": 32.758,
  "SearchLongitude": -97.08,
  "HotelAvailInfo": [
    {
      "HotelInfo": { ...
    },
    "HotelRateInfo": {
      "RateInfos": {
        "RateInfo": [ ...
      ],
      "ConvertedRateInfo": [ ...
    ]
  },
  "Rooms": {
    "Room": [ ...
  ]
},
"AvailableRatePlans": {
  "AvailableRatePlan": [
    {
      "RatePlanCode": "IBM",
      "RatePlanType": "10",
```

GETHOTELDETAILS

- Return indicator stating whether cvv number is mandatory for the property
- Return property logo in the response
- Always return Global Property Code in the response
- New filter to allow agents to request negotiated rates be returned first in the response

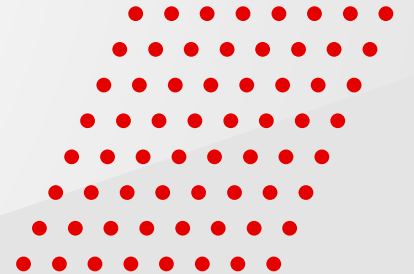
```
"GetHotelDetailsRS": {
  "ApplicationResults": { ...
},
  "HotelDetailsInfo": {
    "HotelInfo": { ...
    },
    "AlternateHotelInfos": {
      "AlternateHotelInfo": [ ...
    ]
  },
  "HotelDescriptiveInfo": { ...
},
  "HotelRateInfo": {
    "RateInfos": {
      "ShopKey": "06a8f6abd91b-",
      "RateInfo": [
        {
          "StartDate": "2022-01-16",
          "EndDate": "2022-01-22",
          "AmountBeforeTax": "923.12",
          "AmountAfterTax": "1023.12",
          "MinSellingRate": "976.33",
          "AverageNightlyRate": "170.52",
          "AverageNightlyRateBeforeTax": "134.52",
          "CurrencyCode": "AUD",
          "AdditionalFeesInclusive": true,
          "TaxInclusive": true,
          "LocalFeesInclusive": true,
          "IncidentalsInclusive": true,
          "RateSource": "100",
```

INTERESTING FACTS

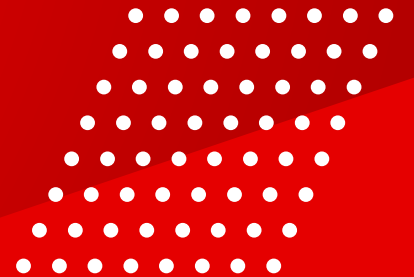
- Up to 40 GDS rates/200 aggregator rates returned in GetHotelAvail response
- Equal usage of REST and SOAP APIs
- Look to book ratio should be around 500:1
- 1.2 million unique properties
- New Supplier API being developed to provide content from more sources
- REST solutions for Cancel and Modify planned for the future
- Rates Cache being developed



LIVE DEMO



Q&A



Mentimeter Survey

Please go to www.menti.com
and use the code: 21 61 00 8

60 seconds



FEEDBACK



Have a suggestion for the next Virtual Developer Bench? Looking to provide feedback?

Contact us at VirtualDeveloperBench@sabre.com!

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