

# ReselivaCMConnect API Specification

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- A. **PRODUCT API**
- B. **AVAILABILTY AND RATE UPDATE SERVICE**
- C. **AVAILABILTY AND RATE RETRIEVAL**
- D. **BOOKING RETRIEVAL**
- E. **BOOKING PUSH**

## GETTING STARTED

1. Channel partner should implement all the functions needed. Reseliva will guide and cooperate.
2. Channel partner will provide urls for all api services to Reseliva, together with api username and password credentials for those services. Services A,B,C,D all will use same credentials for all properties.
4. Instead of Booking Retrieval service (D), we prefer Booking Push(E) service to be implemented by partner. For Booking Push service only, Reseliva will provide a service url and credentials for partner.

### A. PRODUCT API

With this service Reseliva will be able to retrieve all the room and rate categories from Channel partner in order to map them within Reseliva channel manager.

Using the information provided with this service Reseliva Team will map the rooms and rates to the ones of the Partner.

### B. AVAILABILITY AND RATE UPDATE SERVICE

With this service Reseliva will be able to send channel partner all the data that it needs to update. Prices, allotment, restrictions are the main elements. Reseliva needs to be able to send those updates together or separately for individual dates or periods.

The partner should support room level allotment. All other features (prices, restrictions) are on rate level.

There are 2 types of pricing models.

- a. PerDay: Room Prices
- b. PerOccupancy: Occupancy based pricing. (There may be different prices for 1,2,3 etc people)

A room may have one pricing type and predetermined and defined in the Reseliva system.

Within the same XML message Reseliva may send multiple updates.

*maxLOS, closedToArrival, closedToDeparture fields are optional, may not be implemented at all.*

### C. AVAILABILITY AND RATE RETRIEVAL

With this service Reseliva may retrieve all the data from the property for rooms and rates, giving customer the availability to see all the prices, allotment and restrictions without going to the channel partner extranet.

*maxLOS, closedToArrival, closedToDeparture fields are optional, may not be implemented at all.*

### D. RESERVATION RETRIEVAL AND CONFIRMATION SERVICE

First all the pending reservations are retrieved by Reseliva from Partner's system. Then Reseliva sends a confirmation message declaring that it successfully retrieved and recorded the reservations.

*PaymentCard CardHolder information is optional, may not be implemented at all.*

## A. PRODUCT API

### 1. Request

```
<ProductAvailRateRetrievalRQ>
  <Authentication username="testuser" password="testpass"/>
  <Hotel id="1780042"/>
  <ParamSet>
    <ProductRetrieval/>
  </ParamSet>
</ProductAvailRateRetrievalRQ>
```

### 2. Response

```
<ProductAvailRateRetrievalRS>
  <ProductList>
    <Hotel id="1780042" currency="EUR" pricing_model="PerRoom" child_age_group_number="2"
  />
    <RoomType id="200004626" name="Ocean View" status="Active" capacity="2"
capacity_child="0" >
      <RatePlan id="200020648" name="Room Only"/>
    </RoomType>
    <RoomType id="200028738" name="Deluxe room" status="Active" capacity="3"
capacity_child="2" >
      <RatePlan id="200141446" name="Bed and Breakfast"/>
    </RoomType>
  </ProductList>
</ProductAvailRateRetrievalRS>
```

**pricing\_model** : Either PerRoom or PerOccupancy

**child\_age\_group\_number**: a numeric value which says the number of child-age groups, example : hotel want to set a different price for 0-3 age children and 4-10 age children, meaning there are 2 age groups

## B. AVAILABILITY AND RATE UPDATE SERVICE

### 1. Request

#### i. PerOccupancy model

```
<AvailRateUpdateRQ>
  <Authentication username="reseliva" password="reseliva"/>
  <Hotel id="734658"/>
  <AvailRateUpdate>
    <DateRange from="2021-09-01" to="2021-09-31" />
    <RoomType id="463364" >
      <Inventory totalInventoryAvailable="10"/>
      <RatePlan id="25324749" closed="false">
        <Rate currency="EUR">
          <PerOccupancy rate="85.00" occupancy="1"/>
          <PerOccupancy rate="100.00" occupancy="2"/>
          <PerOccupancy rate="125.00" occupancy="3"/>
          <PerOccupancy rate="150.00" occupancy="4"/>
          <PerOccupancy rate="5.00" occupancy="C1"/>
          <PerOccupancy rate="10.00" occupancy="C2"/>
        </Rate>
        <Restrictions minLOS="2" />
        <Restrictions closedToArrival="false" />
        <Restrictions closedToDeparture="false" />
      </RatePlan>
    </RoomType>
  </AvailRateUpdate>
</AvailRateUpdateRQ>
```

#### ii. PerDay model

```
<AvailRateUpdateRQ>
  <Authentication username="reseliva" password="reseliva"/>
  <Hotel id="734658"/>
  <AvailRateUpdate>
    <DateRange from="2021-09-01" to="2021-09-31" />
    <RoomType id="463364" >
      <Inventory totalInventoryAvailable="10"/>
      <RatePlan id="25324749A" closed="false">
        <Rate currency="EUR">
          <PerDay rate="85.00"/>
        </Rate>
        <Restrictions minLOS="2" />
        <Restrictions maxLOS="5" />
        <Restrictions closedToArrival="false" />
        <Restrictions closedToDeparture="false" />
      </RatePlan>
    </RoomType>
  </AvailRateUpdate>
</AvailRateUpdateRQ>
```

### 2. Availability and Rate Update Response

#### Success

```
<AvailRateUpdaterS>
  <Success/>
</AvailRateUpdaterS>
```

#### Error

```
<AvailRateUpdaterS>
  <Error code="3203">The following RoomTypeIDs do not belong to the given hotel:
  432432.</Error>
```

```
<Error code="3204">The following RatePlanIDs do not belong to the given hotel:
234543.</Error>
</AvailRateUpdateRS>
```

## Example test cases that should be supported :

### Only Inventory

```
<AvailRateUpdateRQ>
  <Authentication username="reseliva" password="reseliva"/>
  <Hotel id="734658"/>
  <AvailRateUpdate>
    <DateRange from="2021-09-01" to="2021-09-31" />
    <RoomType id="463364" >
      <Inventory totalInventoryAvailable="10"/>
    </RoomType>
  </AvailRateUpdate>
</AvailRateUpdateRQ>
```

### Only Stopsale

```
<AvailRateUpdateRQ>
  <Authentication username="reseliva" password="reseliva"/>
  <Hotel id="734658"/>
  <AvailRateUpdate>
    <DateRange from="2021-09-01" to="2021-09-31" />
    <RoomType id="463364" >
      <Inventory stopsale="true"/>
    </RoomType>
  </AvailRateUpdate>
</AvailRateUpdateRQ>
```

### Only Prices PerOccupancy

```
<AvailRateUpdateRQ>
  <Authentication username="reseliva" password="reseliva"/>
  <Hotel id="734658"/>
  <AvailRateUpdate>
    <DateRange from="2021-09-01" to="2021-09-31" />
    <RoomType id="463364" >
      <RatePlan id="25324749" >
        <Rate currency="EUR">
          <PerOccupancy rate="85.00" occupancy="1"/>
          <PerOccupancy rate="100.00" occupancy="2"/>
          <PerOccupancy rate="125.00" occupancy="3"/>
          <PerOccupancy rate="150.00" occupancy="4"/>
          <PerOccupancy rate="5.00" occupancy="C1"/>
          <PerOccupancy rate="10.00" occupancy="C2"/>
        </Rate>
      </RatePlan>
    </RoomType>
  </AvailRateUpdate>
</AvailRateUpdateRQ>
```

### Only Prices PerDay

```
<AvailRateUpdateRQ>
  <Authentication username="reseliva" password="reseliva"/>
  <Hotel id="734658"/>
  <AvailRateUpdate>
    <DateRange from="2021-09-01" to="2021-09-31" />
    <RoomType id="463364" >
      <RatePlan id="25324749" >
        <Rate currency="EUR">
          <PerDay rate="85.00"/>
        </Rate>
      </RatePlan>
    </RoomType>
  </AvailRateUpdate>
</AvailRateUpdateRQ>
```

### Only closed Restriction

```
<AvailRateUpdateRQ>
  <Authentication username="reseliva" password="reseliva"/>
  <Hotel id="734658"/>
  <AvailRateUpdate>
    <DateRange from="2021-09-01" to="2021-09-31" />
    <RoomType id="463364" >
      <Inventory totalInventoryAvailable="10"/>
      <RatePlan id="25324749" closed="false">
        </RatePlan>
      </RoomType>
    </AvailRateUpdate>
  </AvailRateUpdateRQ>
```

### Only minLOS Restriction

```
<AvailRateUpdateRQ>
  <Authentication username="reseliva" password="reseliva"/>
  <Hotel id="734658"/>
  <AvailRateUpdate>
    <DateRange from="2021-09-01" to="2021-09-31" />
    <RoomType id="463364" >
      <Inventory totalInventoryAvailable="10"/>
      <RatePlan id="25324749" >
        <Restrictions minLOS="2" />
      </RatePlan>
    </RoomType>
  </AvailRateUpdate>
</AvailRateUpdateRQ>
```

### Multiple AvailRateUpdate tag for different updates to different dates with a request (this case is valid for all cases above)

```
<AvailRateUpdateRQ>
  <Authentication username="reseliva" password="reseliva"/>
  <Hotel id="734658"/>
  <AvailRateUpdate>
    <DateRange from="2021-09-01" to="2021-09-31" />
    <RoomType id="463364" >
      <Inventory totalInventoryAvailable="10"/>
    </RoomType>
  </AvailRateUpdate>
  <AvailRateUpdate>
    <DateRange from="2021-10-01" to="2021-10-31" />
    <RoomType id="463364" >
      <Inventory totalInventoryAvailable="15"/>
    </RoomType>
  </AvailRateUpdate>
</AvailRateUpdateRQ>
```

## C. AVAILABILITY AND RATE RETRIEVAL

### 1. Request

```
<ProductAvailRateRetrievalRQ>
  <Authentication username="reseliva" password="reseliva"/>
  <Hotel id="1780109"/>
  <ParamSet>
    <AvailRateRetrieval from="2021-09-01" to="2021-09-03"/>
  </ParamSet>
</ProductAvailRateRetrievalRQ>
```

### 2. Response

#### i. With PerOccupancy model

```
<ProductAvailRateRetrievalRS>
  <AvailRateList>
    <Hotel id="1780110"/>
    <AvailRate date="2021-09-01">
      <RoomType id="205429" >
        <Inventory totalInventoryAvailable="3"/>
        <RatePlan id="200069194" closed="false">
          <Rate currency="EUR">
            <PerOccupancy rate="85.00" occupancy="1"/>
            <PerOccupancy rate="100.00" occupancy="2"/>
            <PerOccupancy rate="125.00" occupancy="3"/>
            <PerOccupancy rate="5.00" occupancy="C1"/>
          </Rate>
          <Restrictions minLOS="1" />
          <Restrictions maxLOS="5" />
          <Restrictions closedToArrival="false" />
          <Restrictions closedToDeparture="false" />
        </RatePlan>
      </RoomType>
    </AvailRate>
    <AvailRate date="2021-09-02">
      <RoomType id="205429" >
        <Inventory totalInventoryAvailable="50"/>
        <RatePlan id="200069194" closed="false">
          <Rate currency="EUR">
            <PerOccupancy rate="85.00" occupancy="1"/>
            <PerOccupancy rate="100.00" occupancy="2"/>
            <PerOccupancy rate="125.00" occupancy="3"/>
            <PerOccupancy rate="5.00" occupancy="C1"/>
          </Rate>
          <Restrictions minLOS="1" />
          <Restrictions maxLOS="5" />
          <Restrictions closedToArrival="false" />
          <Restrictions closedToDeparture="false" />
        </RatePlan>
      </RoomType>
    </AvailRate>
    <AvailRate date="2021-09-03">
      <RoomType id="205429" >
        <Inventory totalInventoryAvailable="5"/>
        <RatePlan id="200069194" closed="false">
          <Rate currency="EUR">
            <PerOccupancy rate="95.00" occupancy="1"/>
            <PerOccupancy rate="110.00" occupancy="2"/>
            <PerOccupancy rate="135.00" occupancy="3"/>
            <PerOccupancy rate="5.00" occupancy="C1"/>
          </Rate>
        </RatePlan>
      </RoomType>
    </AvailRate>
  </AvailRateList>
```

```

        <Restrictions minLOS="1" />
        <Restrictions maxLOS="5" />
        <Restrictions closedToArrival="false" />
        <Restrictions closedToDeparture="false" />
    </RatePlan>
</RoomType>
</AvailRate>
</AvailRateList>
</ProductAvailRateRetrievalRS>

```

## ii. With PerPay model

```

<ProductAvailRateRetrievalRS>
  <AvailRateList>
    <Hotel id="1780110"/>
    <AvailRate date="2021-09-01">
      <RoomType id="205429" >
        <Inventory totalInventoryAvailable="3"/>
        <RatePlan id="200069194" closed="false">
          <Rate currency="EUR">
            <PerDay rate="85.00"/>
          </Rate>
          <Restrictions minLOS="1" />
          <Restrictions maxLOS="5" />
          <Restrictions closedToArrival="false" />
          <Restrictions closedToDeparture="false" />
        </RatePlan>
      </RoomType>
    </AvailRate>
    <AvailRate date="2021-09-02">
      <RoomType id="205429" >
        <Inventory totalInventoryAvailable="50"/>
        <RatePlan id="200069194" closed="false">
          <Rate currency="EUR">
            <PerDay rate="95.00"/>
          </Rate>
          <Restrictions minLOS="1" />
          <Restrictions maxLOS="5" />
          <Restrictions closedToArrival="false" />
          <Restrictions closedToDeparture="false" />
        </RatePlan>
      </RoomType>
    </AvailRate>
  </AvailRateList>
</ProductAvailRateRetrievalRS>

```



## D. BOOKING RETRIEVAL

Partner can choose between Booking Retrieval and Booking Push services. If one to be implemented, we recommend Booking Push. Having both is not mandatory, but useful for some cases.

### 1A. Pending Bookings Request

```
<BookingRetrievalRQ>
  <Authentication username="reseliva" password="reseliva"/>
  <Hotel id="1235424"/>
</BookingRetrievalRQ>
```

### 1B. Pending Bookings Response

#### New Booking

```
<BookingRetrievalRS>
  <Bookings>
    <Booking id="252743459" type="Book" createDateTime="2018-12-30T23:39:00Z">
      <Hotel id="1235424" />
      <RoomStay roomTypeID="463364" ratePlanID="25324749A">
        <StayDate arrival="2018-01-10" departure="2018-01-12" />
        <GuestCount adult="2" child="2" >
          <Child age="1"/>
          <Child age="7"/>
        </GuestCount>
        <PerDayRates currency="EUR">
          <PerDayRate stayDate="2018-01-10" baseRate="86.62" />
          <PerDayRate stayDate="2018-01-11" baseRate="96.62" />
        </PerDayRates>
        <Total amountAfterTaxes="114.27" amountOfTaxes="12.00" currency="EUR" />
        <PaymentCard cardCode="VI" cardNumber="1234567890123456" expireDate="1206"
seriesCode="123" >
          <CardHolder name="Mr. Joe Black" address="500 Park Avenue" city="New York"
stateProv="NY" country="US" postalCode="10022" />
        </PaymentCard>
        <RoomNotes></RoomNotes>
      </RoomStay>
      <PrimaryGuest>
        <Name givenName="Joe" surname="Black" />
        <Phone countryCode="1" cityAreaCode="450" number="12123123"/>
        <Email>joeblack@gmail.com <Email>
      </PrimaryGuest>
      <Total amountAfterTaxes="114.27" amountOfTaxes="12.00" currency="EUR" />
      <BookingNotes>Non-Smoking</BookingNotes>
    </Booking>
  </Bookings>
</BookingRetrievalRS>
```

#### Modified Booking

```
<BookingRetrievalRS>
  <Bookings>
    <Booking id="252743459" type="Modify" modifyDateTime="2018-12-30T23:39:00Z">
      <Hotel id="1235424" />
      <RoomStay roomTypeID="463364" ratePlanID="25324749A">
        <StayDate arrival="2018-01-12" departure="2018-01-14" />
        <GuestCount adult="2" child="0" >
          </GuestCount>
        <PerDayRates currency="EUR">
          <PerDayRate stayDate="2018-01-12" baseRate="86.62" hotelServiceFees="5.65" />
          <PerDayRate stayDate="2018-01-13" baseRate="96.62" hotelServiceFees="5.65" />
        </PerDayRates>
        <Total amountAfterTaxes="114.27" amountOfTaxes="12.00" currency="EUR" />
        <PaymentCard cardCode="VI" cardNumber="1234567890123456" expireDate="1206"
seriesCode="123" >

```

```

        <CardHolder name="Mr. Joe Black" address="500 Park Avenue" city="New York"
stateProv="NY" country="US" postalCode="10022" />
    </PaymentCard>
</RoomStay>
<PrimaryGuest>
    <Name givenName="Joe" surname="Black" />
    <Phone countryCode="1" cityAreaCode="450" number="12123123"/>
    <Email>joeblack@gmail.com <Email>
</PrimaryGuest>
    <BookingNotes>Non-Smoking</BookingNotes>
    <Total amountAfterTaxes="114.27" amountOfTaxes="12.00" currency="EUR" />
</Booking>
</Bookings>
</BookingRetrievalRS>

```

## Cancelled Booking

```

<BookingRetrievalRS>
    <Bookings>
        <Booking id="252743459" type="Cancel" cancelDateTime="2018-12-30T23:39:00Z">
            <Hotel id="1235424" />
            <RoomStay roomTypeID="463364" ratePlanID="25324749A">
                <StayDate arrival="2018-01-10" departure="2018-01-12" />
            </RoomStay>
        </Booking>
    </Bookings>
</BookingRetrievalRS>

```

## 2A. Booking Confirmation Request

```

<BookingConfirmRQ>
    <Authentication username="reseliva" password="reseliva"/>
    <Hotel id="1235424"/>
    <BookingConfirmNumbers>
        <BookingConfirmNumber bookingID="252743459" bookingType="Book" confirmNumber="E2340589B"
confirmTime="2018-12-30T23:45:00Z"/>
    </BookingConfirmNumbers>
</BookingConfirmRQ>

```

## 2B. Booking Confirmation Response

```

<BookingConfirmRS>
    <Success/>
</BookingConfirmRS>

```

## E. BOOKING PUSH

Reseliva will provide a service url and credentials for this service, please request them when you are ready for testing.

### 1A. Booking Push Request

#### New Booking

```
<BookingPush>
  <Bookings>
    <Booking id="252743459" type="Book" createDateTime="2018-12-30T23:39:00Z">
      <Hotel id="1235424" />
      <RoomStay roomTypeID="463364" ratePlanID="25324749A">
        <StayDate arrival="2018-01-10" departure="2018-01-12" />
        <GuestCount adult="2" child="2" >
          <Child age="1"/>
          <Child age="7"/>
        </GuestCount>
        <PerDayRates currency="EUR">
          <PerDayRate stayDate="2018-01-10" baseRate="86.62" />
          <PerDayRate stayDate="2018-01-11" baseRate="96.62" />
        </PerDayRates>
        <Total amountAfterTaxes="114.27" amountOfTaxes="12.00" currency="EUR" />
        <PaymentCard cardCode="VI" cardNumber="1234567890123456" expireDate="1206"
seriesCode="123" >
          <CardHolder name="Mr. Joe Black" address="500 Park Avenue" city="New York"
stateProv="NY" country="US" postalCode="10022" />
        </PaymentCard>
        <RoomNotes></RoomNotes>
      </RoomStay>
      <PrimaryGuest>
        <Name givenName="Joe" surname="Black" />
        <Phone countryCode="1" cityAreaCode="450" number="12123123"/>
        <Email>joeblack@gmail.com <Email>
      </PrimaryGuest>
      <Total amountAfterTaxes="114.27" amountOfTaxes="12.00" currency="EUR" />
      <BookingNotes>Non-Smoking</BookingNotes>
    </Booking>
  </Bookings>
</BookingPush>
```

#### Modified Booking

```
<BookingPush>
  <Bookings>
    <Booking id="252743459" type="Modify" modifyDateTime="2018-12-30T23:39:00Z">
      <Hotel id="1235424" />
      <RoomStay roomTypeID="463364" ratePlanID="25324749A">
        <StayDate arrival="2018-01-12" departure="2018-01-14" />
        <GuestCount adult="2" child="0" >
          </GuestCount>
        <PerDayRates currency="EUR">
          <PerDayRate stayDate="2018-01-12" baseRate="86.62" hotelServiceFees="5.65" />
          <PerDayRate stayDate="2018-01-13" baseRate="96.62" hotelServiceFees="5.65" />
        </PerDayRates>
        <Total amountAfterTaxes="114.27" amountOfTaxes="12.00" currency="EUR" />
        <PaymentCard cardCode="VI" cardNumber="1234567890123456" expireDate="1206"
seriesCode="123" >
          <CardHolder name="Mr. Joe Black" address="500 Park Avenue" city="New York"
stateProv="NY" country="US" postalCode="10022" />
        </PaymentCard>
        <RoomStay>
          <PrimaryGuest>
            <Name givenName="Joe" surname="Black" />
            <Phone countryCode="1" cityAreaCode="450" number="12123123"/>
          </PrimaryGuest>
        </RoomStay>
      </RoomStay>
    </Booking>
  </Bookings>
</BookingPush>
```

```
<Email>joeblack@gmail.com <Email>
</PrimaryGuest>
<BookingNotes>Non-Smoking</BookingNotes>
  <Total amountAfterTaxes="114.27" amountOfTaxes="12.00" currency="EUR" />
</Booking>
</Bookings>
</BookingPush>
```

## Cancelled Booking

```
<BookingPush>
  <Bookings>
    <Booking id="252743459" type="Cancel" cancelDateTime="2018-12-30T23:39:00Z">
      <Hotel id="1235424" />
      <RoomStay roomTypeID="463364" ratePlanID="25324749A">
        <StayDate arrival="2018-01-10" departure="2018-01-12" />
      </RoomStay>
    </Booking>
  </Bookings>
</BookingPush>
```

## 1B. Booking Push Response

### success

```
<BookingConfirm>
  <Authentication username="reseliva" password="reseliva"/>
  <Hotel id="1235424"/>
  <Status>success</Status>
  <BookingConfirmNumbers>
    <BookingConfirmNumber bookingID="252743459" bookingType="Book" confirmNumber="E2340589B"
confirmTime="2018-12-30T23:45:00Z"/>
  </BookingConfirmNumbers>
</BookingConfirm>
```

### fail

```
<BookingConfirm>
  <Authentication username="reseliva" password="reseliva"/>
  <Hotel id="1235424"/>
  <Status>fail</Status>
</BookingConfirm>
```