Sabre Hospitality Solutions

Reservation Manager Specification

Version 1.0

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Status Details

This service manages reservation orchestrations relating to booking, modification, cancellation, retrieval, and back office processing. An agent can reserve a product or packages for a specific hotel. The reservation status can change. Each status has its own set of rules that might need different data. The movement from one status another can be different depending on the original status and the new one.
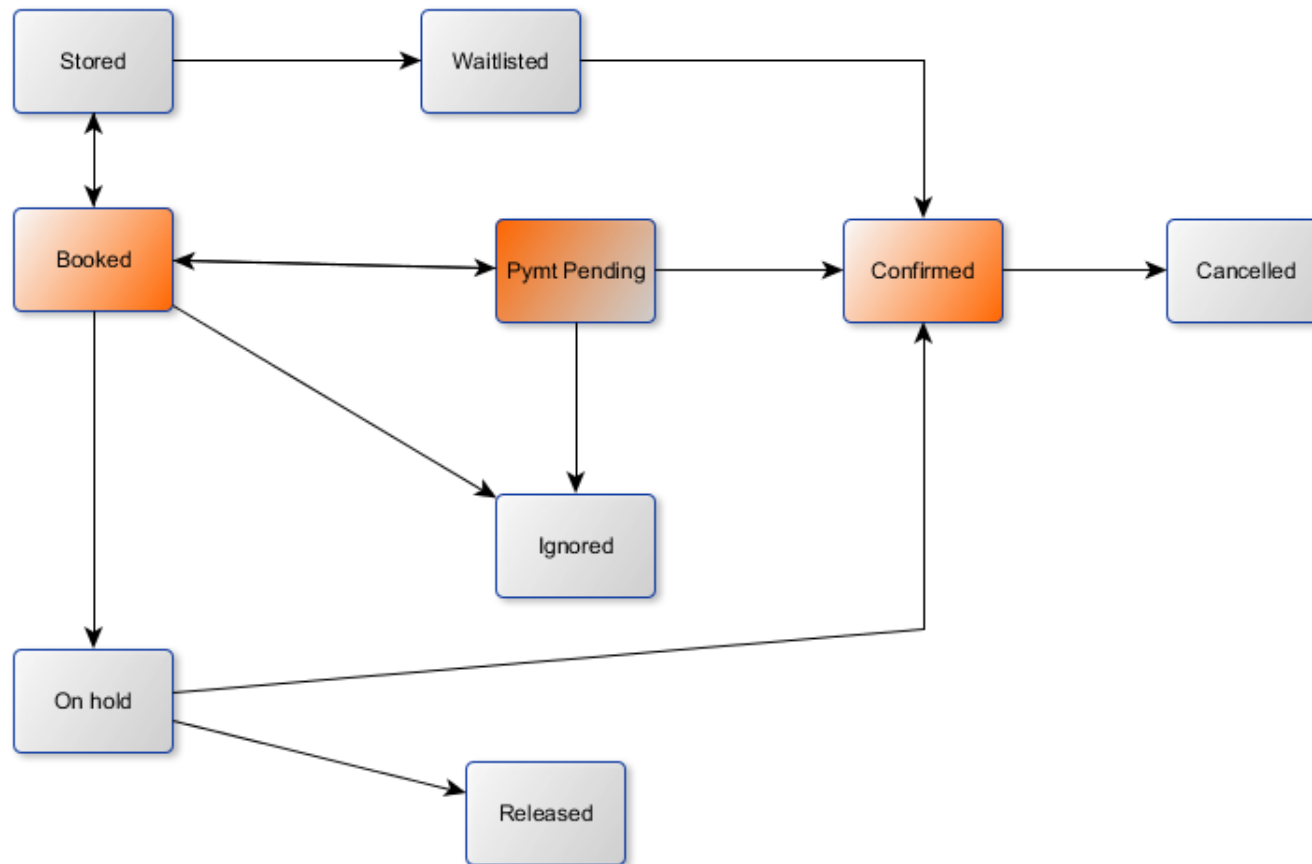
Status Definitions

Status	Description	Transition/Reservation Requirements
Stored	Includes all information related to a reservation, but does not contain blocked inventory, confirmation number, or a confirmed price.	No requirement.
Booked	Indicates the "pending" state of a new reservation where inventory is decremented. A confirmation is generated; however, the reservation stays in a pending state until it is either Ignored or Confirmed.	No requirement After a timeout, based on a time configured by chain, the system will automatically ignore the reservation.
OnHold	An extension of the Booked reservation status including decremented inventory but has some overriding attributes such as not needing a payment.	No requirement After a timeout, based on a time configured by chain the system will automatically ignore the reservation.
Confirmed	This is the final state of a valid reservation regardless of whether it is a new or modified reservation.	A guest is required, Inventory will be blocked at the property. Booking policy will be applied including pre-payment.
Waitlisted	Indicates an attempted booking where the requested product was not available, so the reservation is waitlisted and stored in the database for confirmation if the product becomes available. Guests receive a waitlist e-mail indicating that their reservation could not be confirmed at that time.	A guest is required.
Cancelled	The final status of a cancelled reservation	Prior to cancellation, the system evaluates the cancel policy to determine eligibility.
Ignored	Indicates the final state of a pending reservation that equivalent to it being (logically) deleted.	The system is the only one that ignores a reservation.
PendingModify	Indicates pending changes to a confirmed reservation where inventory is decremented. The changes stay in this status, and the changes stay in a pending state until the reservation is either Ignored by the system or Confirmed.	Only reservations with a Confirmed status can be changed to PendingModifystatus.

1 REST API Authentication Steps

1.1 Call the method/endpoint

Every method calls to SynXis CR requires user authentication.

Follow the steps to create the authentication string and obtain a token,

- Construct the authentication string using your User Id and password. The {userid} and {password} are individually base64 encoded and then concatenated with a ':' separator. The entire string is then base64 encoded again, to generate a single concatenated string representing the user's credentials.
    - {authenticationString} = Base64(Base64(userid):Base64(password))
- Call Create Token endpoint. The encoded string is passed in the Authorization HTTP request header using the format: Basic {authenticationString}

Field	Description
URL	**Required** URL Must be <environment>/api/v1.0/login/oauth2/token
Authorization	**Required** authorization header Must be Authorization: Basic <string> Must include your single base64-encoded string
Content-Type	**Required** content type header Must be Content-Type: application/x-www-form-urlencoded
grant_type	**Required** grant type body Must be grant_type: client_credentials
source_ip	**Optional** client source IP payload

An example sessionless token request body is shown below:

```
POST <environment>/api/v1.0/login/oauth2/token

charset: utf-8

content-type: application/json
```

```
authorization: Basic YzJju7OR3c6NekEzOlUzVnRiV1ZWer5239F9V5T0=
```

```
{"GrantType": "CLIENT_CREDENTIALS", "UserIPAddress": "127.0.0.1", "UserType": "Hotel", "BusinessContext": "Default"}
```

1.2 Get the token from the response

If the request is valid, the body contains the access_token.

```
{access_token:
"T1RLAQLGvbv8bgEDtkUluJb1dBDQ1WJTfBB0OC9XwItgref4u2AKisF4AACQbcNl4UPCzFwNMMXq8VKPTNgXra2nTzlC6Ys45kuwac6d7noUiUb1X+v7rRO5XcNiSUxyie/g
PYlPsoZHOWjaQ1pUjDQHJuBZAJ0swMAm2oDiER5HRgCac57GommwHaQNqzTlr4mUgbY6PwQNllIeluAOtKi+42yP+4h7oaWrN/ibm5OWae7dNxDrcwZquGDM"}
```

1.3 Use the token in the request to call a given REST API

Send the sessionless token to the environment and API endpoint in the header when you call a given REST API.

Field	Description
access_token	The sessionless token
token_type	The type of token returned "Bearer"
Authorization	The header with Authorization: Bearer `your token`

```
GET <environment>/api/v1.0/reservation?CRSConfirmationNumber=10001DV005536&arrival=2018-08-06%3B2018-08-07&departure=2018-08-10%3B2018-08-11
HTTP 1.1

Authorization: Bearer
T1RLAQLGvbv8bgEDtkUluJb1dBDQ1WJTfBB0OC9XwItgref4u2AKisF4AACQbcNl4UPCzFwNMMXq8VKPTNgXra2nTzlC6Ys46kuwac6d7noUiUb1X+v7rRO5XcNiSUxyie/gP
YlPsoZHOWjaQ1pUjDQHJuCZAJ0swMAm2oDiER5HRgCac57GommwHaQNqzTlr4mUgbY6PwQNllIeluAOtKi+42yP+4h7oaWrN/ibm5OWae7dNxDrcwZquGDM
```

2 Create Reservation

This section provides a description, use cases, and attribute definitions for creating a reservation.

2.1 Create Reservation message description

The Create Reservation API allows to make a new reservation in the system.

POST Reservation RQ —Sends a request message to create a reservation in the SynXis CR. All the elements and attributes are optional, unless otherwise noted.

- Supported reservation Status:
    - o Booked
    - o Waitlisted
    - o OnHold
    - o Confirmed

2.2 Create Reservation Use Cases

This section provides multiple examples of how to format the Create Reservation message based on the business need.

2.2.1 Use Case: Create Reservation with Reservation Guest Details Only (no Guest Profile)

In the following example, a reservation is created with reservation Guest details only. No Guest profile is created.

```json
JSON
{
  "Chain": {
    "Id": 15458
  },
  "Channels": {
    "PrimaryChannel": {
      "Code": "CRS"
    },
    "SecondaryChannel": {
      "Code": "CRS"
    }
  },
  "Hotel": {
    "Id": 64707
  },
  "Guests": [
    {
      "Role": "Primary",
      "PersonName": {
        "GivenName": "Larry",
        "MiddleName": "Alan",
        "Prefix": "Mr",
        "Surname": "Walker"
      },
      "Locations": [
        {
```

```json
          "Address": {
            "AddressLine": [
              "Hershey Street", "Apt. 201"
            ],
            "City": "Richmond",
            "Country": {
              "Code": "US"
            },
            "Default": true,
            "PostalCode": "4321",
            "StateProv": {
              "Code": "VA"
            },
            "Type": "Business"
          },
          "Name": "Work Address"
        }
      ],
      "ContactNumbers": [
        {
          "Number": "555-126-1587",
          "Role": "Business",
          "Type": "Voice"
        }
      ],
      "EmailAddress": [
        {
          "Type": "Primary",
          "Value": "larry.walker@mail.com "
        }
      ]
    }
  ],
  "RoomStay": {
    "StartDate": "2018-08-29T00:00:00.000Z",
    "EndDate": "2018-08-30T00:00:00.000Z",
```

```json
    "GuestCount": [
      {
        "AgeQualifyingCode": "Adult",
        "NumGuests": 1
      }
    ],
    "NumRooms": 1,
    "Products": [
      {
        "StartDate": "2018-08-29T00:00:00.000Z",
        "EndDate": "2018-08-30T00:00:00.000Z",
        "Primary": true,
        "Product": {
          "RateCode": "RtStd1",
          "RoomCode": "SRm1"
        }
      }
    ]
  },
  "status": "Confirmed"
}
```

2.2.2 Use Case: Create Reservation with an Existing Guest Profile

The following examples create a new reservation for a guest with an existing guest profile.

Note: SynXis CR checks for an existing profile.

- If a profile is found, it updates the profile with information in the request.

- If no profile is found, a new profile is created.

2.2.2.1 Assign guest using CRS Customer Number

JSON

```json
"Guests": [
```

```json
    {
      "ProfileExternalReferences": [
        {
          "Type": "CRS",
          "Primary": true,
          "Number": "1EDAF484-1C81-4D36-8B1D-61507F3507D0"
```

2.2.2.2 Assign guest using CRM Customer Number

JSON
| ```json
"Guests": [
    {
      "ProfileExternalReferences": [
        {
          "Type": "CRM",
          "Primary": true,
          "Number": "u73820888"
``` |

2.2.2.3 Assign guest using PMS Customer Number

JSON
| ```json
"Guests": [
    {
      "ProfileExternalReferences": [
        {
          "Type": "PMS",
          "Primary": true,
          "Number": "p15467"
``` |

2.2.3 Use Case: Create a Reservation with Child Ages

Hotels can set up child pricing by age range. When child age range pricing is used:

- Guests can enter the ages of children in the booking and the child ages are returned in reservation details.
- Child ages can be sent in reservation upload messages and the ages are included in response messages.

The following example illustrates a booking that with 1 adults, 2 children age 4 and 6.
Adult and Child elements are included in two separate elements.

JSON
| ```
"RoomStay": {
    "GuestCount": [
      {
        "AgeQualifyingCode": "Adult",
        "NumGuests": 1
      },
      {
        "AgeQualifyingCode": "Child",
        "Ages": [4, 6],
        "NumGuests": 2
      }
    ]
``` |

2.2.4 Use Case: Create Reservation and Override Rate Amounts

Overrides node is used to specify the type and comments

RoomStay/Products/Price node is used to specify the override price amount for the day(s). Multiple products with different override price amounts can also be specified within the Products list.

JSON
| ```
"Overrides": [
    {
      "Type": "PriceOverride",
``` |

```json
      "Comment": "Price match"
    }
  ],
"RoomStay": {
    "EndDate": "2018-07-30T00:00:00.000Z",
    "Products": [
      {
        "EndDate": "2018-07-30T00:00:00.000Z",
        "Primary": true,
        "Product": {
          "RateCode": "RtStd1",
          "RoomCode": "SRm1",
        },
        "Price": {
          "Amount": 40
        },
        "StartDate": "2018-07-29T00:00:00.000Z"
      }
    ]
```

2.2.5 Use Case: Create Reservation and specify Room Requests

Special requests are identified by the @code attribute that is included in each RoomRequest element. These requests are tied to OTA Room Amenity codes (RMA) for room requests that have been defined for the hotel in SynXis CR under **Setup > Rooms > Room Requests**.

- If you pass a RoomRequest element with an OTA Room Amenity code (@code) that matches a room request in SynXis CR, the room request description displays in the Room Features section on the Reservation Details page.
- If you pass a RoomRequest element with an OTA Room Amenity code for a room request that has not been set up in SynXis CR, the special request description displays under the Comments section on the Reservation Details page.

Note: As a rule, always provide the Description in case the description was not set up previously for the hotel.

JSON

`"RoomRequests": [`
`    {`
`        "Code": "50001"`
`    },`

```
    {
      "Code": "50002"
    }
  ]
```

2.2.6 Use Case: Create Reservation with Comments

Use the Comment to add information about a guest that cannot be captured using the structured data.

JSON

```
"Notification": {
    "DeliveryComments": [
      {
        "Comment": "guest comments 1"
      },
      {
        "Comment": "guest comments 2"
      }
    ]
  }
```

2.2.7 Use Case: Create Reservation with Public Comments

Use Public comments to provide information to a hotel.

JSON

```
"Notification": {
    "PublicComment": "public comment"
  }
```

2.2.8 Use Case: Create Reservation with Transportation Information

Add this information to indicate transportation details so that a hotel can know how and when guests be arriving and departing.

```json
JSON
"Transporation": {
    "Details": [
      {
        "TransferRequest": {
          "Code": "TC1",
          "Type": "Arrival",
          "Chargeable": true,
          "RequiresArrangement": true,
          "Time": "1:00PM",
          "Mode": "Bus"
        },
        "Airline": {
          "Code": "EK",
          "FlightNumber": "122"
        },
        "Location": {
          "Code": "DFW",
          "Type": "Airport"
        }
      }
    ]
  }
```

2.2.9 Use Case: Create Reservation with Guest Travel Documents

Use to include travel document information that can be stored in a Guest Profile.

```json
JSON
"Guests": [
    {
```

```json
      "TravelDocuments": [
        {
          "Type": "Passport",
          "HolderName": " Andrew Hoffman ",
          "Number": "J678887",
          "IssuingAuthority": "IA",
          "PlaceOfIssue": "Houston, TX"
        }
      ]
```

2.2.10 Use Case: Create Reservation with Meal Plans

Include meal plan details in a reservation.

Meal plans are automatically included in reservation based on the CC configuration.

2.2.11 Use Case: Create Reservation with Upgrade

Use this to include details regarding a room upgrade. You must include both a reason code and a description as defined in the SynXis CR.

JSON
| ```json
"Upgrade": {
    "Reason": {
      "Code": "VIP"
    },
    "RoomToCharge": {
      "Code": "RtStd1"
    },
    "RoomToStay": {
      "Code": "RtStd2"
    }
  }
``` |

2.2.12 Use Case: Create Reservation using an Access Code

Use an Access Code to apply a special rate to the reservation. Types associated with access codes are: Corporate or Promotion.

JSON
```json
"Promotion": {
    "AccessKey": {
      "Password": "5PCOFF"
    },
    "Type": "Promotion"
  }
```

2.2.13 Use Case: Create Reservation with Booker Profile

Add a Booker to a reservation by passing a Booker Profile Id in the reservation message. Note that the ID is a Sabre DB GUID.

JSON
```json
"BookerProfile": {
    "Id": "C6E50D08-38BD-45CD-A201-C3C9B10B70BD"
    }
```

2.2.14 Use Case: Create Reservation with Payment Type

2.2.14.1   Use a Credit Card as a Payment Method

JSON
```json
"Guests": [
    {
      "Payments": [
        {
          "PaymentCard": {
            "CardCode": "VI",
            "CardHolder": "Larry Walker",
            "CardNumber": "444444444444444",
            "CardSecurityCode": "123",
```

```json
            "ExpireDate": "1222"
        }
        "Type": "CreditCard"
    }
]
```

2.2.14.2   Use a Direct Bill as a Payment Method

JSON

```json
"Guests": [
    {
        "Payments": [
        {
            "DirectBill": {
                "AccountNumber": "12345678"
            },
            "Type": "DirectBill"
```

2.2.15 Use Case: Create Reservation with associated PMS Routing Codes

JSON

```json
"OnPropertyInstructions": {
    "ChargeRoutingList": [
        {
            "Code": "8897654",
            "FolioNumber": "2039399"
        },
        {
            "Code": "8897649",
            "FolioNumber": "2039348"
        }
```

```
        ]
    }
```

2.2.16 Use Case: Create Reservation with Packages

JSON

```
"PackageList": [
    {
        "Code": "SPA1",
        "Date": "2018-07-31",
        "Quantity": 1,
        "Time": "09:30:47+05:00",
        "GuestCount": [
          {
            "AgeQualifiyingCode": "Adult",
            "NumGuests": 1
          }
        ]
    }
]
```

2.2.17 Use Case: Create Reservation Success RS

JSON

```
{
  "links": [
    {
      "href": "http://hss-test/frontman/api/v1.0/reservation",
      "rel": "self"
    }
  ],
```

```
  "reservations": [
    {
      "CRSConfirmationNumber": "64707XT000954",
      "Id": "25762c70-54b6-4f65-85f0-651eee61e529"
    }
  ]
}
```

2.3 Create Reservation RQ Attribute Definitions

Element/ @Parameter	Description / Sample values	Type	Required
TransactionType	Specifies if the update should be Atomic (all or none) or Default in case of a failure during a bulk update in a modification. Sample values (there are more possibilities): Default, or Atomic.		
Brand**@id**	Unique number identifies a specific brand in Sabre SynXis.	Integer	
Chain**@id**	Unique ID that identifies a hotel chain or management group in Sabre SynXis. **Xpath**: BookingModel / Chain	Integer	Yes
CRO**@id**	SynXis CR ID for the Central Reservation Office (CRO) that made a reservation. This value is only added when a CRO is used to book a reservation.	Integer	Yes
Itinerary **@externalReferenceNumber**	External reference number associated with itinerary.	String	
ItineraryNumber	Number of itinerary. **Xpath**: BookingModel	String	
Reservation**@status**	Specifies an action to be taken on a reservation Sample values (there are more possibilities): Booked, Waitlisted, OnHold or Confirmed. **Xpath**: BookingModel	String	

Element/ @Parameter	Description / Sample values	Type	Required
Promotion**@type**	Access Code type can be specified to filter the results. Possible values: Any, Corporate or Promotion **Xpath**: BookingModel / Promotion / Type	String	Yes
Deposit**@amount**	Value of a required deposit fee for the tax or bill. **Xpath**: BookingModel / BookingDues / Deposit	Decimal	Yes
Deposit**@dueDate**	Specifies the date, before which the deposit must be received. **Xpath**: BookingModel / BookingDues / Deposit	DateTime	Yes
Deposit**@status**	Specifies status of a deposit payment. Possible values: None, Due, Received or NotRequired. **Xpath**: BookingModel / BookingDues / Deposit	String	
Deposit**@comment**	Use the Comment to add information about a deposit. **Xpath**: BookingModel / BookingDues / Deposit	String	
BookingDate	Date when a booking is created. **Xpath**: BookingModel / BookingInfo / BookingDate	DateTime	
ChannelConfirmationNumber	Confirmation number identifying reservation. This is only applicable when a reservation that an IDS, GDS, or OTA partner was unable to send to the SynXis CR is recreated manually. **Xpath**: BookingModel / BookingInfo / ChannelConfirmationNumber	String	Yes
EntryChannelCode	Code of an entry channel. This is only applicable when a reservation that an IDS, GDS, or OTA partner was unable to send to the SynXis CR is recreated manually. **Xpath**: BookingModel / BookingInfo / EntryChannelCode	String	Yes
GDS_RecordLocator	GDS record locator associated with a reservation. This is only applicable when a reservation that a GDS partner was unable to send to the SynXis CR is recreated manually.	String	

Element/ @Parameter	Description / Sample values	Type	Required
	Xpath: BookingModel / BookingInfo / GDS_RecordLocator		
BookerProfile**@id**	A unique number identifying the person who made a reservation. **Xpath**: BookingModel / BookerProfile	String	
PrimaryChannel**@code**	SynXis CR code for a reservation's Primary Channel. **Xpath**: BookingModel / Channels / PrimaryChannel	String	Yes
SecondaryChannel**@code**	SynXis CR code for a reservation's Secondary Channel. **Xpath**: BookingModel / Channels / SecondaryChannel	String	Yes
SubSourceCode	SynXis CR code for a reservation's subsource, interpreted as the third Channel. **Xpath**: BookingModel / Channels / SubSourceCode	String	
Comment	Comment can be used to add information about a guest that cannot be captured using the structured data. **Xpath**: BookingModel / Notification / DeliveryComments	String	
PublicComment	Public comment can be used to add miscellaneous information about a hotel. **Xpath**: BookingModel / Notification	String	
CommissionableAccountProfile **@id**	ID of a commissionable account. **Xpath**: BookingModel / CommissionableAccountProfile	String	
CommissionableAccountProfile **@travelIndustryID**	Travel Industry ID of a commissionable account. **Xpath**: BookingModel / CommissionableAccountProfile	String	
CompanyProfile**@id**	ID of a company profile. **Xpath**: BookingModel / CompanyProfile	String	Yes
CouponOfferCode	Code for a coupon or an offer. **Xpath**: BookingModel / CouponOfferCode	String	
Currency**@Code**	Currency code for the monetary unit for the primary currency of the hotel. Use ISO 4217, three alpha code.	String	

Element/ @Parameter	Description / Sample values	Type	Required
	Xpath: BookingModel / Currency		
Guest**@endDate@startDate**	Defines check out and the check in dates for guest. **Xpath**: BookingModel / Guests / Guest	DateTime	
Guest**@role**	Role of a guest. Possible values: Primary or Additional **Xpath**: BookingModel / Guests / Guest	String	
Guest**@denyChargeToRoom**	This flag conveys that a guest does not want changes post to the room. When this flag is set to True, a guest cannot have a payment method associated and cannot be a share**Xpath**: BookingModel / Guests / Guest	String	
Guest**@marketingOptIn**	Specifies whether a guest has agreed to receive promotional messages. **Xpath**: BookingModel / Guests / Guest	String	
ContactName	Contact name of a guest. **Xpath**: CreateReservationRQ / Reservation / GuestList / Guest / ContactName	String	
ContactNumber**@code**	Code is used to identify the ContactNumber within the context of the container. **Xpath**: BookingModel / Guests / Guest / ContactNumbers / ContactNumber	String	
ContactNumber**@default**	When set to true, indicates that a contact number is the default one. **Xpath**: BookingModel / Guests / Guest / ContactNumbers / ContactNumber	Boolean	
ContactNumber**@sortOrder**	Specifies the sequence in which the numbers display. **Xpath**: BookingModel / Guests / Guest / ContactNumbers / ContactNumber	Integer	
ContactNumber**@type**	Specifies the type of a contact number. Possible values: Fax, Mobile, Voice1 or Voice2. **Xpath**: BookingModel / Guests / Guest / ContactNumbers / ContactNumber	String	Yes
ContactNumber**@role**	Specifies the role (type) of a contact number.	String	Yes

Element/ @Parameter	Description / Sample values	Type	Required
	Sample values (there are more possibilities): Home, Billing, Hotel or Permanent. **Xpath**: BookingModel / Guests / Guest / ContactNumbers / ContactNumber		
ContactNumber**@use**	Specifies the time of day when a number should be used. Possible values: DayTimeContact, EveningContact or AnytimeContact. **Xpath**: BookingModel / Guests / Guest / ContactNumbers / ContactNumber	String	
Number	A contact number through which a guest can be reached. **Xpath**: BookingModel / Guests / Guest / ContactNumbers / ContactNumber	String	
GuestCitizenship**@primary**	When set to true, the CountryName (see below) associated with citizenship is primary. **Xpath**: BookingModel / Guests / Guest / Citizenships / Citizenship	Boolean	
CountryName**@code**	The ISO 1366-1 country code. **Xpath**: BookingModel / Guests / Guest / Citizenships / Citizenship	String	
DateOfBirth	Date of birth of a guest. **Xpath**: BookingModel / Guests / Guest / DateOfBirth	Date	
Amount	Value of a required deposit fee. **Xpath**: BookingModel / Guests / Guest / Deposits / Deposit / Amount	Decimal	
AuthorizationCode	Authorization code for a deposit. **Xpath**: BookingModel / Guests / Guest / Deposits / Deposit / AuthorizationCode	String	
Date	Specifies when a deposit fee due date. **Xpath**: BookingModel / Guests / Guest / Deposits / Deposit / Date	Date	
EmailAddress	Contains the email address of a guest. **Xpath**: BookingModel / Guests / Guest / EmailAddress	String	
EmailAddress**@type**	Type of an email address of a guest. Possible values: Mobile or Primary.	String	

Element/ @Parameter	Description / Sample values	Type	Required
	Xpath: BookingModel / Guests / Guest / EmailAddress		
Gender	Identifies the gender of a guest. Possible values: Male, Female or Unspecified. **Xpath**: CreateReservationRQ / Reservation / GuestList / Guest / Gender	String	
Location**@default**	When set to true, a default location is chosen for the reservation. **Xpath**: BookingModel / Guests / Guest / Locations / Location	Boolean	
Location**@id**	ID of a location. **Xpath**: BookingModel / Guests / Guest / Locations / Location	String	
Location**@name**	Name of a location. **Xpath**: BookingModel / Guests / Guest / Locations / Location	Boolean	
Address**@default**	When set to true, indicates that an address is the default one. **Xpath**: BookingModel / Guests / Guest / Locations / Location / Address	Boolean	
Address**@type**	Specifies the type of an address. Sample values (there are more possibilities): Home, Billing, Hotel or Permanent. **Xpath**: BookingModel / Guests / Guest / Locations / Location / Address	String	
AddressLine	Street-related information associated with an address. **Xpath**: BookingModel / Guests / Guest / Locations / Location / AddressLine	String	
Business**@name**	Name of a business associated with an address. **Xpath**: BookingModel / Guests / Guest / Locations / Location / Address / Business	String	
Business**@unit**	Business unit associated with an address. **Xpath**: BookingModel / Guests / Guest / Locations / Location / Address / Business	String	
City	City associated with an address. **Xpath**: BookingModel / Guests / Guest / Locations / Location / Address / City	String	

Element/ @Parameter	Description / Sample values	Type	Required
CountryName	Name of a country. **Xpath**: BookingModel / Guests / Guest / Locations / Location / Address / CountryName	String	
CountryName**@code**	The ISO 1366-1 country code. **Xpath**: BookingModel / Guests / Guest / Locations / Location / Address / CountryName	String	
PostalCode	Postal code associated with an address. **Xpath**: BookingModel / Guests / Guest / Locations / Location / Address / PostalCode	String	
StateProv	Name of a state or province. **Xpath**: BookingModel / Guests / Guest / Locations / Location / Address / StateProv	String	
StateProv**@code**	Code of a state or province associated with an address. **Xpath**: BookingModel / Guests / Guest / Locations / Location / Address / StateProv	String	
Payment**@amount**	Specifies the amount to be applied to the payment method in a split payment scenario. **Xpath**: BookingModel / Guests / Guest / Payments / Payment	Decimal	
Payment**@role**	Specifies the role of a payment method. Possible values: Primary, Alternate, Secondary, Business or Personal. **Xpath**: BookingModel / Guests / Guest / Payments / Payment	String	
Payment**@type**	Specifies the type of a payment method. Sample values (there are more possibilities): CreditCard, LoyaltyPoints, Cash or Check. **Xpath**: BookingModel / Guests / Guest / Payments / Payment	String	Yes
BankCode	Code of a bank. **Xpath**: BookingModel / Guests / Guest / Payments / Payment / BankDeposit / BankCode	String	
AccountNumber	An account number associated with the direct billing. **Xpath**: BookingModel / Guests / Guest / Payments / Payment / DirectBill	String	
ProviderCode	Code of an eWallet provider.	String	

Element/ @Parameter	Description / Sample values	Type	Required
	Possible values: KB, PP, BO, UPE or AL. **Xpath**: BookingModel / Guests / Guest / Payments / Payment / eWallet / ProviderCode		
LoyaltyMembership @MembershipID @ProgramID	Membership and Program Id's of the loyalty program **Xpath**: BookingModel / Guests / Guest / Payments / Payment / LoyaltyRedemption	String	
LoyaltyMembership **@membershipID**	ID of a membership of a loyalty program. **Xpath**: BookingModel / Guests / Guest / Payments / Payment / LoyaltyRedemption	String	
LoyaltyMembership **@programID**	ID of a loyalty program. **Xpath**: BookingModel / Guests / Guest / Payments / Payment / LoyaltyRedemption	String	
PaymentCard**@cardCode**	Code of a credit card. Sample values (there are more possibilities): DS, ER, AX or FB. **Xpath**: BookingModel / Guests / Guest / Payments / Payment / PaymentCard	String	
PaymentCard**@cardNumber**	Number of a credit card. **Xpath**: BookingModel / Guests / Guest / Payments / Payment / PaymentCard	String	
PaymentCard**@cardSecurityCode**	Security code of a credit card. **Xpath**: BookingModel / Guests / Guest / Payments / Payment / PaymentCard	String	
PaymentCard**@expireDate**	Expiration date of a credit card. **Xpath**: BookingModel / Guests / Guest / Payments / Payment / PaymentCard	String	
PaymentCard**@paymentToken**	Payment token which represents the hashed value of the payment details. **Xpath**: BookingModel / Guests / Guest / Payments / Payment / PaymentCard	String	
CardHolder	Specifies who is the card holder. **Xpath**: BookingModel / Guests / Guest / Payments / Payment / PaymentCard / CardHolder	String	
ProfileExternalReference**@primary**	When set to true, the profile specified below is primary.	Boolean	

Element/ @Parameter	Description / Sample values	Type	Required
	Xpath: BookingModel / Guests / Guest / ProfileExternalReferences / ProfileExternalReference		
ProfileExternalReference**@number**	The profile identifier. **Xpath**: BookingModel / Guests / Guest / ProfileExternalReferences / ProfileExternalReference	String	
ProfileExternalReference**@type**	Specifies the type of profile. Possible values: Unknown, CRS, CRM, PMS, UNIQUEID, GOOGLE or FACEBOOK **Xpath**: BookingModel / Guests / Guest / ProfileExternalReferences / ProfileExternalReference	String	
AdditionalGivenName	Specifies an additional first name of a guest, if applicable. **Xpath**: BookingModel / Guests / Guest / PersonName / AdditionalGivenName	String	
AdditionalSurname	Specifies an additional last name of a guest, if applicable. **Xpath**: BookingModel / Guests / Guest / PersonName / AdditionalSurname	String	
GivenName	Specifies the first name of a guest. **Xpath**: BookingModel / Guests / Guest / PersonName / GivenName	String	
MiddleName	Specifies a middle name of a guest, if applicable. **Xpath**: BookingModel / Guests / Guest / PersonName / MiddleName	String	
PreferredGivenName	Specifies the preferred first name of a guest. **Xpath**: BookingModel / Guests / Guest / PersonName / PreferredGivenName	String	
Prefix	Specifies a prefix associated with the name of a guest, if applicable. **Xpath**: BookingModel / Guests / Guest / PersonName / Prefix	String	
Suffix	Specifies a suffix associated with the name of a guest, if applicable. **Xpath**: BookingModel / Guests / Guest / PersonName / Suffix	String	
Surname	Specifies the last name of a guest. **Xpath**: BookingModel / Guests / Guest / PersonName / Surname	String	
Language**@code**	The language that the guest speaks. Use ISO 639-1 code with an optional culture code.	String	

Element/ @Parameter	Description / Sample values	Type	Required
	Xpath: BookingModel / Guests / Guest / SpokenLanguageList / SpokenLanguage / Language		
HolderName	Name of the travel document owner. **Xpath**: BookingModel / Guests / Guest / TravelDocumentList / TravelDocument / HolderName	String	
IssuingAuthority	The office which issued a travel document. **Xpath**: BookingModel / Guests / Guest / TravelDocumentList / TravelDocument / IssuingAuthority	String	
Number	The number associated with a travel document. **Xpath**: BookingModel / Guests / Guest / TravelDocumentList / TravelDocument / Number	String	
PlaceOfIssue	The place where a travel document was issued. **Xpath**: BookingModel / Guests / Guest / TravelDocumentList / TravelDocument / PlaceOfIssue	String	
Type	Type of a travel document used by a guest to confirm their identity. Sample values (there are more possibilities): AlienRegistrationNumber, DriversLicense, InsurancePolicyNumber, MilitaryIdentification, NationalIdentityDocument, Passport, TaxExemptionNumber, VaccinationCertificate, VehicleRegistrationorLicenseNumber or Visa **Xpath**: BookingModel / Guests / Guest / TravelDocumentList / TravelDocument / Type	String	
Hotel**@id**	Unique ID for a hotel in Sabre SynXis **Xpath**: BookingModel / Hotel	Integer	Yes
PublicComment	Public comment can be used to add miscellaneous information about a hotel. **Xpath**: BookingModel / Hotel / Notification	String	
MarketSegment**@code**	Code of a market segment. **Xpath**: BookingModel / MarketSegment	String	
MarketSource**@code**	Code of a market source. **Xpath**: CreateReservationRQ / Reservation / MarketSource	String	
NotificationInfo **@preferSingleItineraryEmail**	When set to true, the guest prefers single itinerary email messages.	Boolean	

Element/ @Parameter	Description / Sample values	Type	Required
	Xpath: BookingModel / NotificationInfo		
NotificationInfo**@sendBookerEmail**	When set to true, a notification email must be sent to a booker associated with reservation. **Xpath**: BookingModel / NotificationInfo	Boolean	
NotificationInfo**@sendGuestEmail**	When set to true, a notification email must be sent to the guest associated with reservation. **Xpath**: BookingModel / NotificationInfo	Boolean	
Language	The hotel name and other descriptions in the response can be translated into different languages. To access translated content, a language code with an optional culture code is passed. **Xpath**: BookingModel / NotificationInfo / Language	String	
EmailTemplate**@code**	Code of email template. **Xpath**: BookingModel / NotificationInfo / EmailTemplate	String	
EmailTemplate**@level**	Level of email template. Possible values: Default, Hotel or Chain **Xpath**: BookingModel / NotificationInfo / EmailTemplate	String	
FromEmailAddress	Email address used to send any notifications. **Xpath**: BookingModel / NotificationInfo / FromEmailAddress	String	Yes
PackageList**@code**	Code associated with a requested package. **Xpath**: BookingModel / PackageList	String	Yes
PackageList **@date**	Date when a package applies. **Xpath**: BookingModel / PackageList	Date	
PackageList **@quantity**	Number of packages requested. **Xpath**: BookingModel / PackageList	Integer	Yes
PackageList **@reedemLoyalty**	When set to true, a package can be purchased using a loyalty-based payment, for example loyalty points. **Xpath**: BookingModel / PackageList	Boolean	

Element/ @Parameter	Description / Sample values	Type	Required
PackageList **@time**	Time associated with a package. **Xpath**: BookingModel / PackageList	Time	
GuestCount **@ageQualifyingCode**	Code representing a business rule that determines the charges for a guest based upon age range. Possible values: Senior, Adult or Child **Xpath**: BookingModel / PackageList / GuestCount	String	
GuestCount**@numGuests**	Number of guests associated with a reservation. **Xpath**: BookingModel / PackageList / GuestCount	String	
RoomStay**@endDate@startDate**	Defines check out and the check in dates. **Xpath**: BookingModel / RoomStay	DateTime	Yes
RoomStay**@redeemLoyalty**	When set to true, a room can be purchased using a loyalty-based payment, for example loyalty points. **Xpath**: BookingModel / RoomStay	Boolean	
GuestCount**@ageQualifyingCode**	Code representing a business rule that determines the charges for a guest based upon age range. Possible values: Adult or Child **Xpath**: BookingModel / RoomStay / GuestCount	String	
GuestCount**@numGuests**	Number of guests associated with a reservation. **Xpath**: BookingModel / RoomStay / GuestCount	String	
Age	If one of the guests is a child, this element specifies that child's age. **Xpath**: BookingModel / RoomStay / GuestCount / Ages / Age	Integer	
NumRooms	Specifies how many rooms are requested. **Xpath**: BookingModel / RoomStay / GuestCount / NumRooms	Integer	
Override**@type**	Type of an override. **Xpath**: BookingModel / Overrides / Override	String	

Element/ @Parameter	Description / Sample values	Type	Required
Override**@code**	Code of an override type used for a reservation. Sample values (there are more possibilities): AvailabilityOverride, BlacklistOverride, PriceOverride or DepositCollectionOverride. **Xpath**: BookingModel / Overrides / Override	String	
Comment	Comment to add information about an override. **Xpath**: BookingModel / Overrides / Override / Comment	String	
RateFilter**@code**	Code of rate filter. **Xpath**: BookingModel / RoomStay / RateFilter	String	
Credentials	Credentials associated with a rate filter. **Xpath**: BookingModel / RoomStay / RateFilter / Credentials	String	
Product**@rateCode**	Code associated with a rate. **Xpath**: BookingModel / RoomStay / Products / Product / Product / RateCode	String	Yes
Product**@startDate**	Date from which a rate starts to apply. **Xpath**: BookingModel / RoomStay / Products / Product	Date	Yes
Product**@endDate**	Date when a rate expires. **Xpath**: BookingModel / RoomStay / Products / Product	Date	Yes
Product**@primary**	When set to true, a rate is primary. **Xpath**: BookingModel / RoomStay / Products / Product	Boolean	
Price**@amount**	Value of the override price. **Xpath**: BookingModel / RoomStay / Products / Product / Product / Price	Decimal	
Product**@roomCode**	Code of a room. **Xpath**: BookingModel / RoomStay / Products / Product / Product	String	
Product**@roomUnit**	Specifies a room unit number associated with a stay date.	String	Yes

Element/ @Parameter	Description / Sample values	Type	Required
	Xpath: BookingModel / RoomStay / Products / Product / Product		
RoomRequest**@code**	Code of a room request. **Xpath**: BookingModel / RoomRequests / RoomRequest	String	
RuleTracking**@type**	Rule type associated with a reservation. **Xpath**: BookingModel / RuleTrackingList / RuleTracking	String	
Id	ID of a rule type associated with a reservation. **Xpath**: BookingModel / RuleTrackingList / RuleTracking / Id	String	
EstimatedCheckInTime	Specifies the estimated check in time associated with a reservation, if applicable. **Xpath**: BookingModel / Transportation / EstimatedCheckInTime	DateTime	
EstimatedCheckOutTime	Specifies the estimated check out time associated with a reservation, if applicable. **Xpath**: BookingModel / Transportation / EstimatedCheckOutTime	DateTime	
TaxType	Type of a fee or tax. Sample values (there are more possibilities): BedTax, CityHotelFee, CityTax or CountyTax. **Xpath**: BookingModel / TaxExempt / TaxType	String	
VDN	A vector directory number that is associated with a reservation. **Xpath**: BookingModel / Telephony / VDN	String	
TransferRequest **@type**	Specifies whether transportation request is relevant to the arrival or departure of a guest. Values: Arrival or Departure. **Xpath**: BookingModel / TransportationInfo / Details / Detail	String	Yes
TransferRequest**@chargeable**	When set to true, the transportation is chargeable. **Xpath**: BookingModel / TransportationInfo / Details / Detail	Boolean	
TransferRequest**@requiresArrangement**	When set to true, a transportation arrangements need to be made by the hotel accepting the reservation. **Xpath**: BookingModel / TransportationInfo / Details / Detail	Boolean	

Element/ @Parameter	Description / Sample values	Type	Required
TransferRequest**@code**	Specifies a transportation code. **Xpath**: BookingModel / TransportationInfo / Details / Detail	String	
TransferRequest**@mode**	Specifies a transportation method. Sample values (there are more possibilities): Alternate, Bus, Taxi or Train. **Xpath**: BookingModel / TransportationInfo / Details / Detail	String	
Airline**@code**	Code of an airline. **Xpath**: BookingModel / TransportationInfo / Details / Detail	String	
Airline**@flightNumber**	Number of a flight. **Xpath**: BookingModel / TransportationInfo / Details / Detail	String	
Location**@code**	Code of a location. **Xpath**: BookingModel / TransportationInfo / Details / Detail	String	
Location**@type**	Type of location. Possible values: Airport, BoatDock, BusTerminal, TrainStation or Unknown. **Xpath**: BookingModel / TransportationInfo / Details / Detail	String	
TransferRequest**@Time**	Arrival or departure time to be communicated to the hotel. **Xpath**: BookingModel / TransportationInfo / Details / Detail	DateTime	
UpgradeReason**@code**	Code of an upgrade request. **Xpath**: BookingModel / Upgrade / Reason	String	Yes
Waitlist**@code**	Code of a waitlist request. **Xpath**: BookingModel / Waitlist	String	Yes
ChargeRouting**@code**	Code of a charge routing. **Xpath**: BookingModel / OnPropertyInstructions / ChargeRoutingList / ChargeRouting	String	Yes
ChargeRouting**@folioNumber**	A folio number to which the charge routing code applies.	String	Yes

Element/ @Parameter	Description / Sample values	Type	Required
	Xpath: BookingModel / OnPropertyInstructions / ChargeRoutingList / ChargeRouting		
IP_Address	Contains the IP Address of a person making the reservation. **Xpath**: BookingModel / Source / IP_Address	String	
BookingUrl	Contains the URL where the reservation request came from. **Xpath**: BookingModel / Source / BookingUrl	String	
VDN	VDN. **Xpath**: BookingModel / Source / Telephony	String	
Language	The hotel name and other descriptions in the response can be translated into different languages. To access translated content, a language code with an optional culture code is passed. Xpath: BookingModel / UserDetails / Preferences / Language	String	

2.4 Create Reservation RS Attribute Definitions

Element/ @Parameter	Description / Sample values	Type
CRSConfirmationNumber	CRS confirmation number identifying the reservation which is updated. **Xpath**: ReservationModel / Reservations / ReservationResponseModel /	String
Id	ID of a reservation **Xpath**: ReservationModel / Reservations / ReservationResponseModel /	String

3 Update Reservation

This section provides a description, use cases, and attribute definitions for updating a reservation.

3.1 Update Reservation Message Description

The Update Reservation API allows you to modify a previously made reservation using the available parameters using the HTTP **PATCH** method.

You may change:

- The status of the booking

- The stay dates and/or product

- Manage guests

3.2 Update Reservation RQ Use Cases

3.2.1 Use Case: Update Reservation – change stay dates RQ

```json
JSON
{
    "TransactionType": "Default",
    "Reservations": [
        "CRSConfirmationNumber": "64707XT000954",
        "Chain": {
            "Id": 15458
        },
        "Channels": {
            "PrimaryChannel": {
                "Code": "CRS"
            },
            "SecondaryChannel": {
                "Code": "CRS"
            }
        },
        "RoomStay": {
            "StartDate": "2018-09-15T00:00:00.000Z",
            "EndDate": "2018-09-16T00:00:00.000Z",
            "Products": [{
                "StartDate": "2018-09-15T00:00:00.000Z",
                "EndDate": "2018-09-16T00:00:00.000Z",
                "Product": {
                    "RateCode": "RtStd1",
                    "RoomCode": "SRm1"
                }
            }]
        }
    ]
}
```

3.3 UpdateReservation RQ Attribute Definitions

The Update Reservation RQ Attributes are the same as the Create Reservation Attributes. The only change is that the XPath.

XPath: UpdateBookingModel / Reservations / Reservation / {All attributes same as Create reservation}

3.4 UpdateReservationRS Attribute Definitions

The Update Reservation RS Attributes are the same as the Create Reservation Attributes. The only change is that the XPath.

XPath: UpdateBookingModel / Reservations / Reservation / {All attributes same as Create reservation}

4 Query Reservation

This section provides a description, use cases, and attribute definitions for reservation query.

4.1 QueryReservation Message Description

The Query Reservation API retrieves detailed information on the reservation and the whole itinerary identified through the specified search criteria using the HTTP **GET** method. The operation may return more than one result.

These search parameters, as listed below, can be combined to obtain most accurate results.

- CRS Confirmation Number
- Chain
- Hotel
- Itinerary Number
- Guest given name and sure name,
- Guest Room Stay details e.g. Arrival date, departure date, rate code, room units, room codes,
- Reservation status (stored, booked, ignored, waitlisted, confirmed, cancelled, pendingmodify, pending cancel, onhold, released and payment pending)
- Reservation confirmation number, external profile reference number, PMS confirmation number, prospect booking number and property status (checked out, inhouse, no show, turn away, pre-arrival or none)

If no reservations are found, then an empty reservation list is returned.

4.2 Query ReservationRQ/RS Use Cases

4.2.1 Use Case: Query Reservation RQ by CRS Confirmation Number

```
<environment>/api/v1.0/reservation?CRSConfirmationNumber=10001DV005536&hotel=10001
```

4.2.2 Use Case: Query Reservation Success RS

JSON

```json
{
  "pagination": {
    "total": 1,
    "start": 0,
    "size": 1
  },
  "reservations": [
    {
      "BookingDues": {
        "CancelPenalty": {
          "Amount": 0,
          "Deadline": "8/6/2018 3:21:21 PM"
        },
        "Deposit": {
          "Amount": 11,
          "DueDate": "2018-08-06T00:00:00",
          "Status": "None"
        }
      },
      "Brand": {
        "Code": "PB1",
        "Id": 8000031,
        "Name": "Pawan's Brand Group"
      },
```

```json
        "CRSConfirmationNumber": "64707XT000967",
        "Chain": {
          "Code": "CHP",
          "Id": 15458,
          "Name": "Pawan Chain"
        },
        "CRO": {
          "Id": 15459,
          "Name": "Pawan CRO"
        },
        "Channels": {
          "PrimaryChannel": {
            "Code": "CRS",
            "Description": "Voice"
          },
          "SecondaryChannel": {
            "Code": "NGVA",
            "Description": "NGVA"
          }
        },
        "Guests": [
          {
            "StartDate": "8/6/2018 12:00:00 AM",
            "EndDate": "8/7/2018 12:00:00 AM",
            "EmailAddress": [
              {
                "Type": "Primary",
                "Value": "pawan.devarasetty@sabre.com"
              }
            ],
            "Id": "be9ce26d-f164-4684-a881-99a4b700582f",
            "MarketingOptIn": false,
            "Payments": [
              {
                "Amount": 0,
                "PaymentCard": {
```

```json
                "CardCode": "VI",
                "CardHolder": "Pawan PrimaryGuest",
                "CardName": "VISA",
                "CardNumber": "XXXXXXXXXXXX1111",
                "CardSecurityCode": "",
                "ExpireDate": "12/20"
              },
              "Role": "Primary",
              "Type": "CreditCard"
            }
          ],
          "PersonName": {
            "GivenName": "Pawan",
            "Prefix": "",
            "Surname": "PrimaryGuest"
          },
          "ProfileID": "be9ce26d-f164-4684-a881-99a4b700582f",
          "Role": "Primary"
        }
      ],
      "Hotel": {
        "Code": "HOP",
        "Id": 64707,
        "Name": "Pawan Hotel One"
      },
      "ItineraryNumber": "15458B0000888",
      "Notification": {
        "DeliveryComments": []
      },
      "OnPropertyInstructions": {
        "ChargeRoutingList": []
      },
      "Overrides": [],
      "Packages": [],
      "RoomPrices": {
        "AveragePrice": {
```

```json
        "Price": {
          "CurrencyCode": "USD",
          "DisplayOverrideAsPercentage": false,
          "Fees": {
            "Amount": 11,
            "Breakdown": [
              {
                "Amount": 10,
                "Name": "Resort Fee1",
                "Type": "ResortFee"
              },
              {
                "Amount": 1,
                "Name": "City Fee",
                "Type": "CityHotelFee"
              }
            ],
            "StayFeeAmount": 0
          },
          "OriginalAmount": 0,
          "Tax": {
            "Amount": 53,
            "Breakdown": [
              {
                "Amount": 10,
                "Name": "Stay Tax",
                "Type": "BedTax"
              },
              {
                "Amount": 6,
                "Name": "Sales Tax",
                "Type": "SalesTax"
              },
              {
                "Amount": 1,
                "Name": "Hotel City Tax 1",
```

```json
            "Type": "CityTax"
          },
          {
            "Amount": 20,
            "Name": "Room Tax 2",
            "Type": "RoomTax"
          },
          {
            "Amount": 1,
            "Name": "Room Tax1",
            "Type": "BedTax"
          },
          {
            "Amount": 10,
            "Name": "Misc Tax 1",
            "Type": "MiscellaneousTax"
          },
          {
            "Amount": 5,
            "Name": "Rate Tax 1",
            "Type": "BedTax"
          }
        ],
        "StayTaxAmount": 0
      },
      "TaxesFeesIncluded": false,
      "TotalAmount": 50,
      "TotalAmountIncludingTaxesFees": 94
    }
  },
  "PriceBreakdowns": [
    {
      "ProductPrices": [
        {
          "EndDate": "2018-08-06T00:00:00",
          "Price": {
```

```json
        "CurrencyCode": "USD",
        "DisplayOverrideAsPercentage": false,
        "Fees": {
          "Amount": 1,
          "Breakdown": [
            {
              "Amount": 1,
              "Name": "City Fee",
              "Type": "CityHotelFee"
            }
          ],
          "StayFeeAmount": 0
        },
        "OriginalAmount": 0,
        "Tax": {
          "Amount": 43,
          "Breakdown": [
            {
              "Amount": 6,
              "Name": "Sales Tax",
              "Type": "SalesTax"
            },
            {
              "Amount": 1,
              "Name": "Hotel City Tax 1",
              "Type": "CityTax"
            },
            {
              "Amount": 20,
              "Name": "Room Tax 2",
              "Type": "RoomTax"
            },
            {
              "Amount": 1,
              "Name": "Room Tax1",
              "Type": "BedTax"
```

```json
                },
                {
                    "Amount": 10,
                    "Name": "Misc Tax 1",
                    "Type": "MiscellaneousTax"
                },
                {
                    "Amount": 5,
                    "Name": "Rate Tax 1",
                    "Type": "BedTax"
                }
            ],
            "StayTaxAmount": 0
        },
        "TaxesFeesIncluded": false,
        "TotalAmount": 50,
        "TotalAmountIncludingTaxesFees": 94
    },
    "Product": {
        "RateCode": "RtStd1",
        "RoomCode": "SRm1"
    },
    "StartDate": "2018-08-06T00:00:00"
}
],
"Type": "Daily"
}
],
"TotalPrice": {
    "Price": {
        "CurrencyCode": "USD",
        "DisplayOverrideAsPercentage": false,
        "Fees": {
            "Amount": 11,
            "Breakdown": [
                {
```

```json
            "Amount": 10,
            "Name": "Resort Fee1",
            "Type": "ResortFee"
          },
          {
            "Amount": 1,
            "Name": "City Fee",
            "Type": "CityHotelFee"
          }
        ],
        "StayFeeAmount": 10
      },
      "OriginalAmount": 0,
      "Tax": {
        "Amount": 53,
        "Breakdown": [
          {
            "Amount": 10,
            "Name": "Stay Tax",
            "Type": "BedTax"
          },
          {
            "Amount": 6,
            "Name": "Sales Tax",
            "Type": "SalesTax"
          },
          {
            "Amount": 1,
            "Name": "Hotel City Tax 1",
            "Type": "CityTax"
          },
          {
            "Amount": 20,
            "Name": "Room Tax 2",
            "Type": "RoomTax"
          },
```

```json
                {
                    "Amount": 1,
                    "Name": "Room Tax1",
                    "Type": "BedTax"
                },
                {
                    "Amount": 10,
                    "Name": "Misc Tax 1",
                    "Type": "MiscellaneousTax"
                },
                {
                    "Amount": 5,
                    "Name": "Rate Tax 1",
                    "Type": "BedTax"
                }
            ],
            "StayTaxAmount": 10
        },
        "TaxesFeesIncluded": false,
        "TotalAmount": 50,
        "TotalAmountIncludingTaxesFees": 114
    }
    },
    "ExemptedTaxTypes": []
},
"RoomStay": {
    "Group": false,
    "Suppressed": false,
    "EndDate": "2018-08-07T00:00:00",
    "GuestCount": [
        {
            "AgeQualifyingCode": "Child",
            "Ages": [],
            "NumGuests": 0
        },
        {
```

```json
        "AgeQualifyingCode": "Adult",
        "Ages": [],
        "NumGuests": 1
      }
    ],
    "NumRooms": 1,
    "Products": [
      {
        "EndDate": "2018-08-07T00:00:00",
        "Primary": true,
        "Product": {
          "Id": "57b391d5-f811-4758-9af2-2307021ed427",
          "RateCode": "RtStd1",
          "RoomCode": "SRm1"
        },
        "StartDate": "2018-08-06T00:00:00"
      }
    ],
    "StartDate": "2018-08-06T00:00:00"
  },
  "Transporation": {},
  "Upgrade": {
    "RoomToCharge": {
      "Code": "SRm1"
    },
    "RoomToStay": {
      "Code": "SRm1"
    }
  },
  "status": "Confirmed",
  "onPropertyStatus": "None",
  "Source": {
    "IP_Address": "10.14.206.4",
    "BookingURL": ""
  },
  "singleUsePaymentCardAllowed": false,
```

```json
    "Content": {
      "RateCategories": [
        {
          "CategoryCode": "STD",
          "Description": "",
          "Name": "Standard Rates"
        }
      ],
      "Rates": [
        {
          "CategoryCode": "STD",
          "Code": "RtStd1",
          "Description": "",
          "DetailedDescription": "",
          "Name": "Standard Rate",
          "Primary": true
        }
      ],
      "RoomCategories": [],
      "Rooms": [
        {
          "Code": "SRm1",
          "Description": "",
          "DetailedDescription": "",
          "Name": "Standard Room"
        }
      ],
      "RoomRequests": []
    },
    "SortOrder": 0,
    "Id": "86316f49-213e-44fd-9d47-abde9b5ce3e6",
    "BookingPolicy": {
      "Code": "Dep_policy",
      "Description": "Deposit policy",
      "DepositFee": {
        "Amount": "10",
```

```json
      "DueDays": 0,
      "TaxInclusive": true,
      "IsPrePayment": false,
      "Type": "PercentAmountOfStay"
    },
    "GuaranteeLevel": "Deposit",
    "HoldTime": "2100",
    "Requirements": [
    ]
  },
  "CancelPolicy": {
    "Code": "CP1",
    "Description": "Cancel Policy Default",
    "CancellationPermitted": false,
    "LateCancellationPermitted": false,
    "CancelFeeAmount": {
      "TaxInclusive": false
    },
    "CancelFeeType": "None",
    "CancelPenaltyDate": "2018-08-04T00:00:00",
    "CancelTime": "0000",
    "CancelTimeIn": "2",
    "ChargeThreshold": "2",
    "ChargeType": "ChargeWithinDays",
    "ModificationRestrictions": "ANGDS",
    "NoShowFeeAmount": {
      "TaxInclusive": true
    },
    "NoShowFeeType": "NumberNightsOfStay"
  },
  "ProductCancellationRestricted": false,
  "ProductModificationRestricted": false
  }
  ]
}
```

4.2.3 Use Case: Query Reservation RQ with arrival and departure date

```
<environment>/api/v1.0/reservation?CRSConfirmationNumber=10001DV005536&arrival=2018-08-06%3B2018-08-07&departure=2018-08-
10%3B2018-08-11
```

5 Cancel Reservation

This section provides a description, use cases, and attribute definitions for cancelling a reservation.

5.1 Cancel Reservation RQ/RS Message Description

This call allows the user to cancel a reservation.

In certain cases, cancellation is not possible. Examples include, but are not limited to, the following situations:

- Reservation status is different than "Confirmed"
- Reservation is already cancelled
- Reservation cancel policy does not allow it
- Package cancel policy does not allow it
- Payment is pending

Required Request Parameters

- CRS Confirmation Number

5.2 Cancel Reservation RQ Use Cases

5.2.1 Use Case: Cancel Reservation with Basic Information RQ

JSON

```
{
  "Hotel": {
    "Id": 64707
  },
  "CRSConfirmationNumber": "64707XT000967",
  "CancellationDetails": {
    "Comment": "Plans change"
  }
}
```

```
}
```

5.2.2 Use Case: Cancel Reservation Success RS

```
{
  "CRS_cancellationNumber": "64707XT000968X"

}
```

5.2.3 Use Case: Cancel Reservation Error RS

```
{
  "ErrorCode": "InvalidReservationID",
  "Message": "Reservation not found",
  "TimeStamp": "2018-08-06T16:13:13.5832793Z"

}
```

5.3 Cancel Reservation RQ Attribute Definitions

Element/ @Parameter	Description / Sample values	Type	Required
Comment	Comment can be used to add information about a cancellation.	String	
Hotel**@id**	Unique ID for a hotel in Sabre SynXis	Integer	Yes
Reservation**@CRSConfirmationNumber**	When the purpose of the message to modify a previously made reservation, it contains CRS confirmation number identifying that reservation.	String	Yes

5.4 Cancel Reservation RS Attribute Definitions

Element/ @Parameter	Description / Sample values	Type
CRS_cancellationNumber	The CRS number identifying the cancellation of the reservation.	String
CRS_confirmationNumber	The CRS confirmation number identifying the reservation.	String

Appendix A: Supported Error Codes for Create and Update Reservation

Error ShortText	Description
InvalidChainId	Chain Id provided cannot be found in the system.
InvalidHotelId	Hotel Id provided cannot be found in the system.
InvalidPrimaryChannelId	Primary Channel Id provided cannot be found in the system.
InvalidProduct	The product does not exist (rate - room combination)
InvalidRateCode	Rate Code cannot be found for the hotel.
InvalidRoomCode	Room Code cannot be found for the hotel.
InvalidSecondaryChannelId	Secondary Channel Id cannot be found in the system.
InvalidUserId	Logged in UserId cannot be found in the system.
InvalidUserPermission	Logged in UserId does not have permission to create this reservation
InvalidItineraryNumber	The itinerary specified cannot be found in the system.
InvalidStayDates	The stay dates are invalid. Example dates in the past or beyond 3 years into the future.
InvalidNumberOfRooms	The number of rooms requested is invalid. Example cannot be less than 1.
InvalidNumberOfGuest	The total number of guests is invalid. Example cannot be less than 1.
InvalidNumberOfAdults	The number of adults is invalid. Example cannot be less than 0.
InvalidNumberOfChildren	The number of children is invalid. Example cannot be less than 0.
InvalidChildAges	The children ages are invalid. Example each age item cannot be less than 0.
NoAvailability	The product is not available (for the provided channel)
InvalidLanguage	The language Id cannot be found in the system
InvalidBrandId	The brand Id cannot be found in the system or is not assigned to the hotel.
InvalidRoomRequest	The room request code is not configured for chain/hotel or not assigned to the channel