

IPKV3 Versions evolution



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Introduction

While IPK V2 was a complete rewriting of the IPK V1 interface (also known as Standard XML interface) IPK V3 is an evolution which adds the “web check in” functionality. That is, it allows working with reservations that are not yet due in.

This brings about a few major changes from the PMS way of dealing with the reservation, but from the interface point of view there are not a lot of things that have to be changed.

Any change in business logic PMS-wise will be signaled in the interface documentation.

Step 1

1. Added Classes

Request used to get the PMS business date.

1.1 Functions

GetRoomsStatus
UpdateRoomPreferences
GetRoomTypesForDates
UpdateCreditCardInformation
UpdateStayDuration
UpdateNumberOfPersons
UpdateReservationForEarlyCheckIn
CancelEarlyCheckIn
UpdateReservationForLateCheckOut
CancelLateCheckOut

1.2 Entities

PredictedCharge
AttractionInfo

1.3 Enums

WebCheckInWarningType
AttractionType

2. Added Properties

2.1 To Class Reservation

PredictedCharges : PredictedCharge[]
RoomPreferences : PreferenceCollection

2.2 To Enum Reservaation Type

Added value WebCheckIn



2.3 To Enum Status

Added values Reserved and OutOfOrder

2.4 To Class RoomInfo

RoomStatus : Status

2.5 To Class AllocateRoomRequest

IsWebCheckIn : bool

RoomNumber : string

2.6 To Class ConfirmArrivalRequest

IsWebCheckIn : bool

2.7 To Class ConfirmArrivalResponse

WebCheckInWarning : WebCheckInWarningType

2.8 To Class GetHotelParametersResponse

AttractionsNearHotel : AttractionInfo[]

2.9 To Class UpdateRoomTypeRequest

IsWebCheckIn : bool

2.10 To Class GetRoomPreferencesRequest

StartDate : DateTime

EndDate : DateTime

2.11 To Class GetRoomTypesImmediateAvailabilityResponse

OutOfOrderRooms : RoomTypeInfo[]

Step 2

1. Added Classes

1.1 Functions

GetNonReservationProductsList
PostNonReservationProducts
PostNonReservationPayment
GetLoyaltyCardInformation
NotifyKeyDelivery
SetEstimatedArrivalTime
UpdateContactDetails
GetNumberOfReservations

1.2 Entities

1.3 Enums

ReservationStatusEnum

2. Added Properties

2.1 To Class Customer

ReservationNumber : string

2.2 To Class MonetaryTransaction

Receipt : string[]

2.3 To Class RoomInfo

Preferences : PreferenceCollection

2.4 To Class AllocateRoomResponse

CompartmentNumber : int

2.5 To Class ConfirmDepartureRequest

Transaction : MonetaryTransaction[]

2.6 To Class CreateReservationRequest

Email : string
MobilePhone : string
Gender : GenderEnum



AllowEmailNotifications : bool
AllowSMSNotifications : bool
AlternativeIdentifier : string

Step 3

3. Added Classes

1.1 Functions

GetBusinessDate

4. Added Properties

2.1 To Class GetInvoicesRequest

Foliolds: string[]

2.2 To Class PostPaymentRequest

TransactionID: string

ApprovalCode: string

Step 4

1. Added Classes

1.1 Functions

GetTitlesAvailable

1.2 Entities

CountryTitles

TitleSpecification

IPKv3Header

2. Added Properties

2.1 To Class Reservation

ReservationSource : string

2.2 To Class Customer

PreferredCommunication

Means: string

NewsletterSubscription: string

AirlinePartnerName : string

AirlinePartnerNumber: string

2.3 To Class ConfirmArrivalRequest

PostAllRevenueAtCI : bool

2.4 To Class ConfirmDepartureRequest

SendFoliosByEmail : bool

FoliosToBeSentByEmail : string[]

AirlinePartnerName : string

AirlinePartnerNumber: string

2.5 To Enum ReservationType

Added value CheckOutPerformed

3. Changes to HTNG Service

3.1 To element ResStatus

Added values:

- Inhouse for when a reservation has been checked-in in the PMS
- CheckedOut for when a reservation has been checked out in the PMS

Step 5

1. Added Classes

1.1 Functions

GetCustomersAirlinePrograms
UpdateReservationAirlineProgram
GetAirlinePartnerList

1.2 Entities

AirlineProgramDefinition
AirlineProgramPackage

2. Added Properties

2.1 To Class Customer

AirPartnerCode : string

Step 6

1. Added Classes

1.1 Functions

1.2 Entities

Shift4Details

2. Added Properties

2.1 To Class Customer

DocumentType : string

PassportExpirationDay : string

2.2 To Class GetRoomTypesImmediateAvailabilityRequest

ReservationNumber : string

2.3 To Class PostPaymentResponse

TransactionResult : MonetaryTransaction

2.4 To Class PostPaymentRequest

ReservationName: string

TransactionType : PaymentTransactionType

Shift4Data : Shift4Details

2.5 To Class Shift4Details

DeviceService : string

DeviceGuid : string

DeviceExtension : string

2.6 To Enum PaymentTransactionType

CANCELAUTHORIZATION, SALE, REFUND,

Step 7

1. Added Classes

1.1 Functions

1.2 Entities

2. Added Properties

2.1 To Class Reservation

AdditionalGuests : Customer[]

2.2 To Class ConfirmArrivalRequest

LanguageCode : string

2.3 To Class Customer

FamilyMember : bool

DocumentIssueDate: DateTime

2.4 To Class Reservation

PackageCode: string

PackageDescription: string

Step 8

We added in the package two documentation documents ([IPKV3 - Duo2020 v1.1 .pdf](#) and [IPKV3 - Process v1.1.pdf](#))

We added class description in [Help Documentation](#).

Step 9

1. Added Properties

2.1 To Class CreateReservationRequest

LanguageCode : string