Interface View :

@AbapCatalog.viewEnhancementCategory: [#PROJECTION\_LIST]

@AccessControl.authorizationCheck: #NOT\_REQUIRED

@EndUserText.label: 'Basic or Interface View for flight'

@Metadata.ignorePropagatedAnnotations: true

@ObjectModel.usageType:{

serviceQuality: #X,

sizeCategory: #S,

dataClass: #MIXED

}

**define** **root** **view** **entity** ZAKP\_I\_FLIGHT **as** **select** **from** /dmo/flight

**{**

**key** carrier\_id **as** CarrierId**,**

**key** connection\_id **as** ConnectionId**,**

**key** flight\_date **as** FlightDate**,**

@Semantics.amount.currencyCode: 'CurrencyCode'

price **as** Price**,**

currency\_code **as** CurrencyCode**,**

plane\_type\_id **as** PlaneTypeId**,**

seats\_max **as** SeatsMax**,**

seats\_occupied **as** SeatsOccupied

**}**

Consumption View:

@EndUserText.label: 'Projection Concumption View'

@AccessControl.authorizationCheck: #NOT\_REQUIRED

@Search.searchable: true

@UI.headerInfo: {

typeName: 'Flight',

typeNamePlural: 'Flights',

title: {

type: #STANDARD,

label: 'Flights',

value: 'FlightDate'

}

}

**define** **root** **view** **entity** ZAKP\_C\_FLIGHT

**provider** **contract** **transactional\_query**

**as** **projection** **on** ZAKP\_I\_FLIGHT

**{**

@UI.facet: [{

id: 'Flight',

purpose: #STANDARD,

position: 10,

label: 'Flights',

type: #IDENTIFICATION\_REFERENCE

}]

@UI.identification: [{ position: 10 }]

@UI.lineItem: [{ position: 10 }]

@UI.selectionField: [{ element: 'CarrierId' }]

@Search.defaultSearchElement: true

**key** CarrierId**,**

@UI.identification: [{ position: 11 }]

@UI.lineItem: [{ position: 11 }]

@UI.selectionField: [{ element: 'ConnectionId' }]

@Search.defaultSearchElement: true

**key** ConnectionId**,**

@UI.identification: [{ position: 12 }]

@UI.lineItem: [{ position: 12 }]

@Search.defaultSearchElement: true

**key** FlightDate**,**

@UI.identification: [{ position: 13 }]

@UI.lineItem: [{ position: 13 }]

@Semantics.amount.currencyCode: 'CurrencyCode'

Price**,**

@UI.identification: [{ position: 14 }]

@UI.lineItem: [{ position: 14 }]

CurrencyCode**,**

@UI.identification: [{ position: 15 }]

@UI.lineItem: [{ position: 15 }]

SeatsMax**,**

@UI.identification: [{ position: 16 }]

@UI.lineItem: [{ position: 16 }]

SeatsOccupied**,**

@UI.identification: [{ position: 17 , label: 'Seats\_left'}]

@UI.lineItem: [{ position: 17 , label: 'Seats\_left'}]

@ObjectModel.virtualElementCalculatedBy: 'ABAP:ZCL\_CODE\_EXIT\_CDS'

**virtual** left\_seats **:** */dmo/plane\_seats\_max*

**}**

Class Implementation:

CLASS zcl\_code\_exit\_cds DEFINITION

**PUBLIC**

FINAL

CREATE **PUBLIC** .

**PUBLIC** SECTION.

INTERFACES if\_sadl\_exit\_calc\_element\_read.

**PROTECTED** SECTION.

**PRIVATE** SECTION.

ENDCLASS.

CLASS zcl\_code\_exit\_cds IMPLEMENTATION.

**METHOD** if\_sadl\_exit\_calc\_element\_read~calculate.

DATA lt\_original\_data TYPE STANDARD TABLE OF zakp\_c\_flight WITH DEFAULT KEY.

lt\_original\_data = CORRESPONDING #( it\_original\_data ).

LOOP AT lt\_original\_data ASSIGNING FIELD-SYMBOL(<lfs\_original\_data>).

<lfs\_original\_data>-left\_seats = <lfs\_original\_data>-SeatsMax - <lfs\_original\_data>-SeatsOccupied.

ENDLOOP.

ct\_calculated\_data = CORRESPONDING #( lt\_original\_data ).

**ENDMETHOD**.

**METHOD** if\_sadl\_exit\_calc\_element\_read~get\_calculation\_info.

**ENDMETHOD.**

ENDCLASS.

Service Definition:

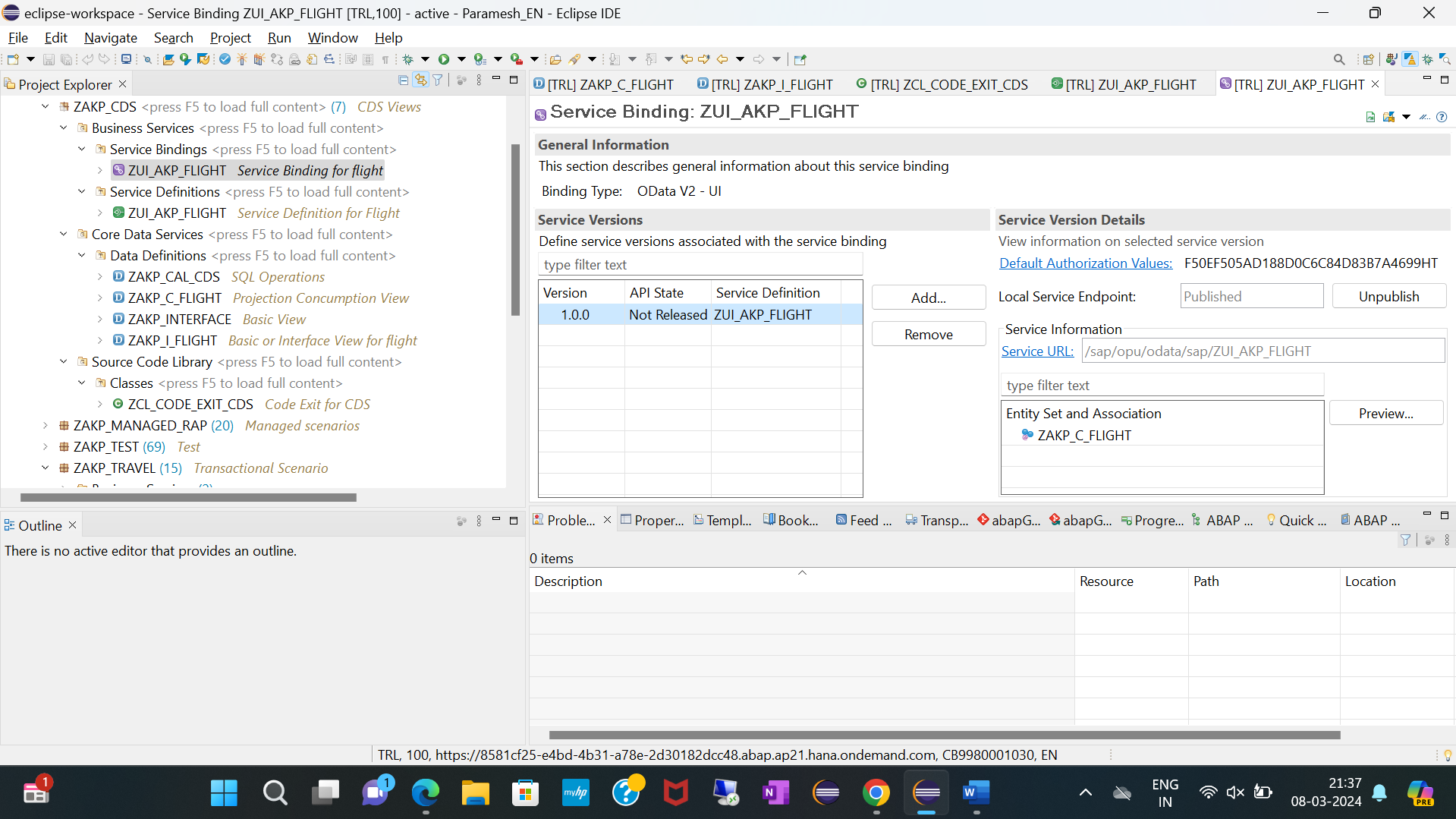
@EndUserText.label: 'Service Definition for Flight'

**define** **service** ZUI\_AKP\_FLIGHT **{**

**expose** ZAKP\_C\_FLIGHT**;**

**}**

Service Implementation:



Report:

