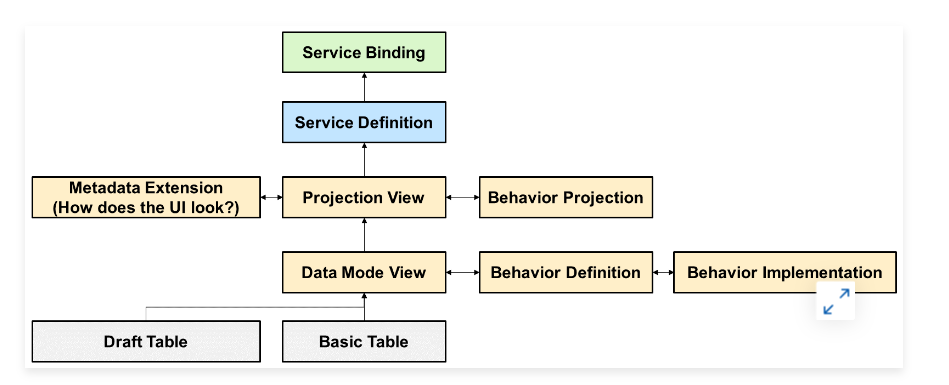
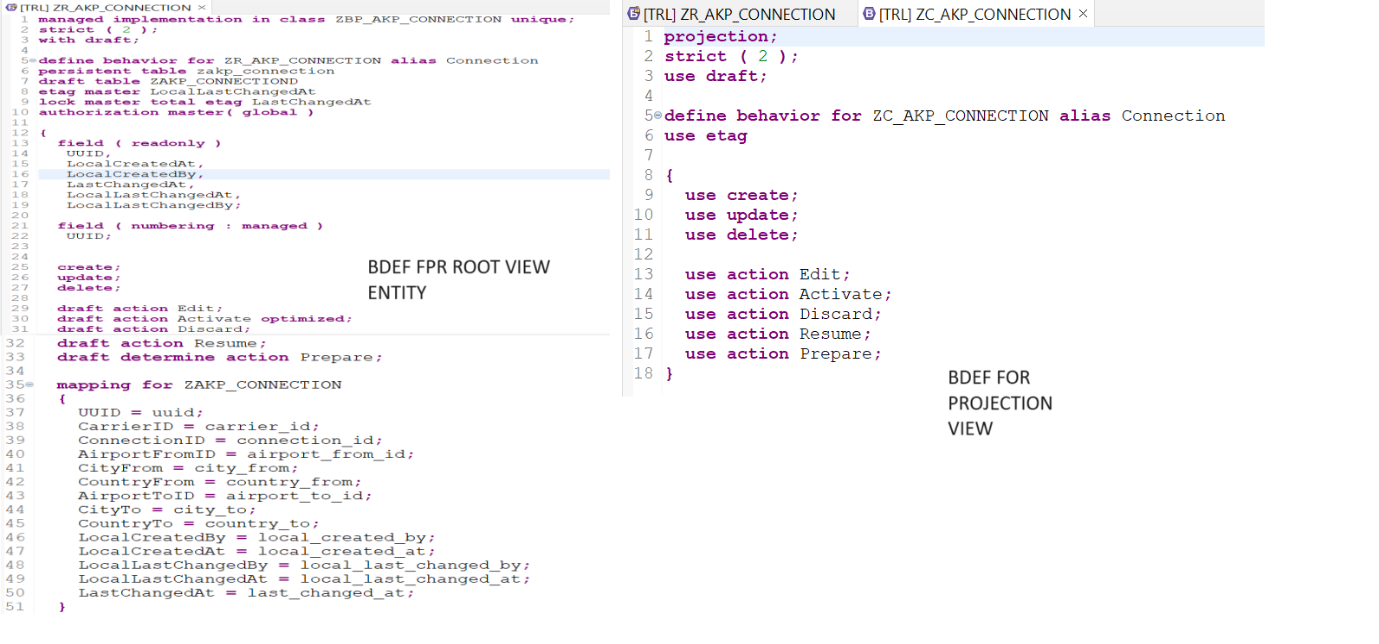
RAP :



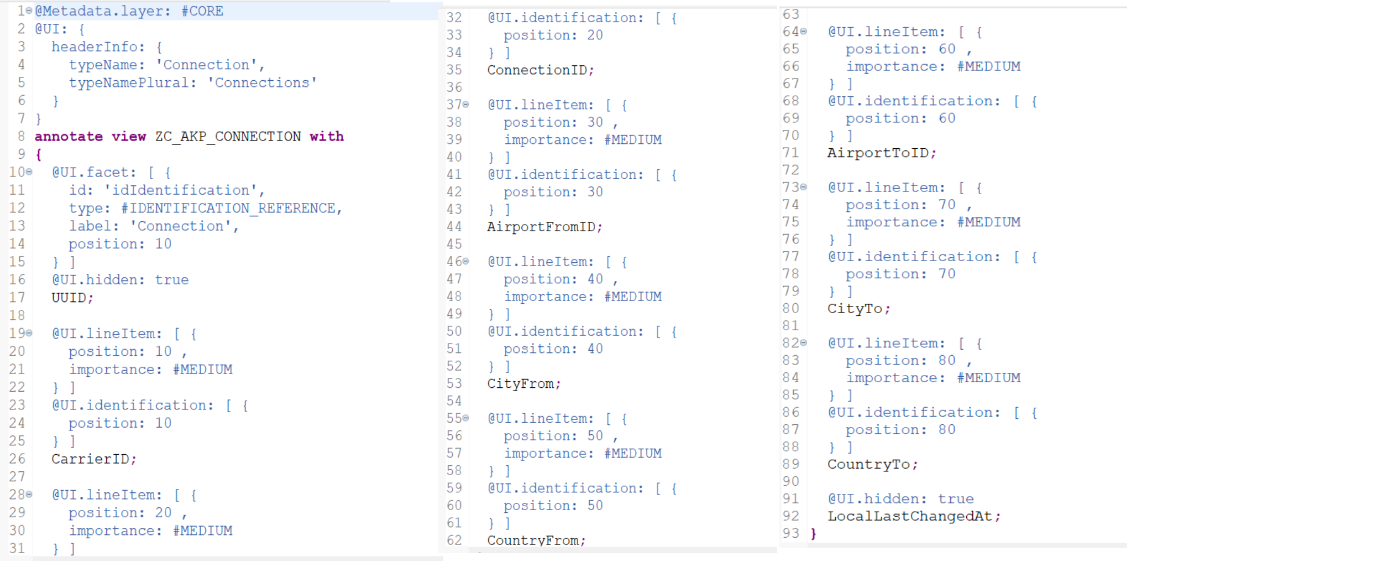
Data Model:



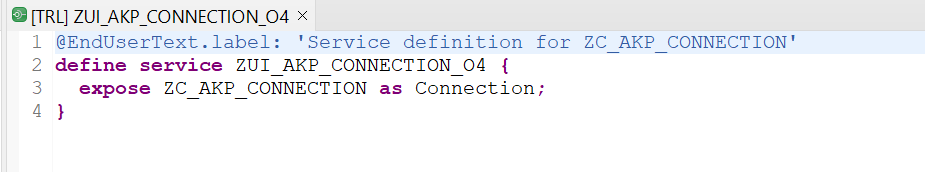
Behaviour definition



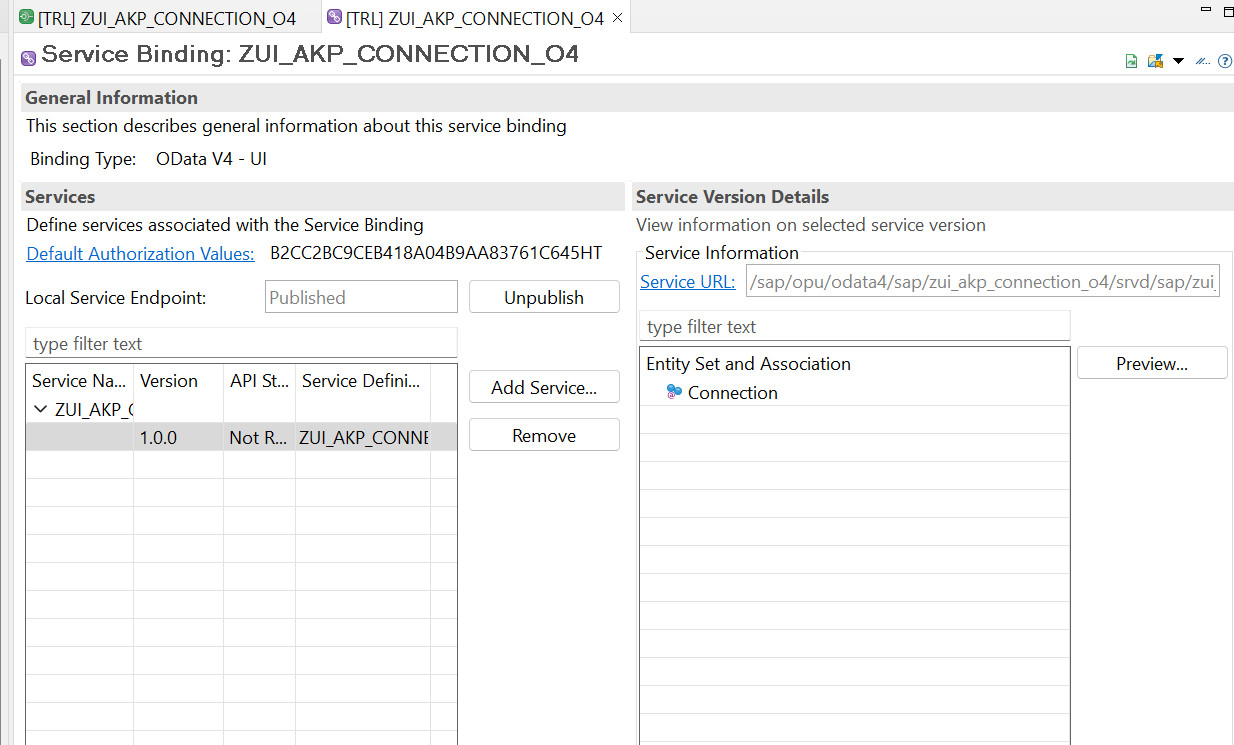
Metadata Extension:



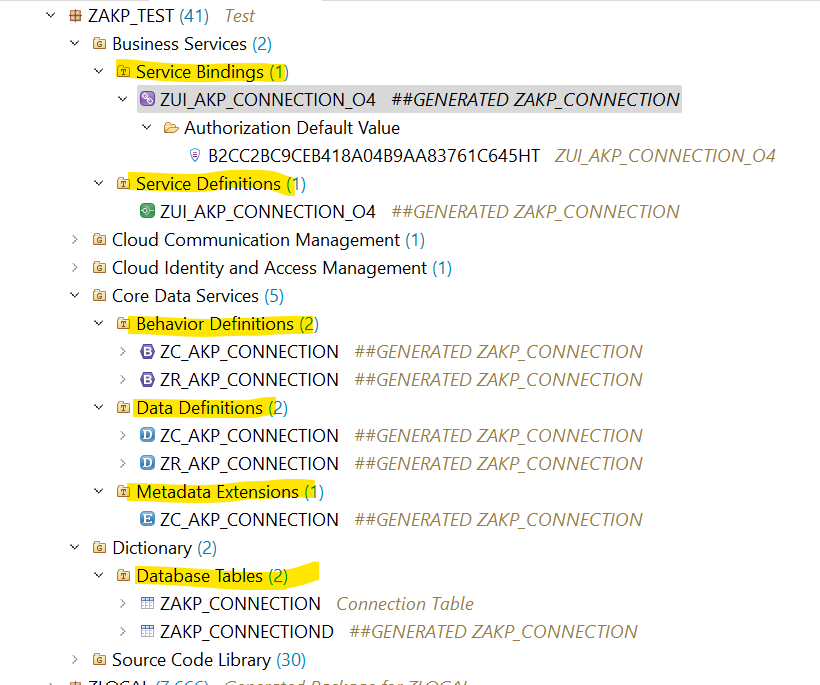
Service Definition:



Service Binding:



Over all Project:



RAP Query report:

Data Model:

@AbapCatalog.viewEnhancementCategory: [#NONE]

@AccessControl.authorizationCheck: #NOT\_REQUIRED

@EndUserText.label: 'Connection Details'

@Metadata.ignorePropagatedAnnotations: true

@ObjectModel.usageType:{

serviceQuality: #X,

sizeCategory: #S,

dataClass: #MIXED

}

@UI: { //Header Information on Line Items

headerInfo: {

typeName: 'Connection',

typeNamePlural: 'List of Connections'

}

}

@Search.searchable: true

**define** **view** **entity** ZRAKP\_DEMO\_CONNECTION

**as** **select** **from** /dmo/connection

**association** **[**1**..\*]** **to** ZIAKP\_DEMO\_FLIGHT **as** \_flight **on** **$projection.**CarrierId **=** \_flight**.**CarrierId

**and** **$projection.**ConnectionId **=** \_flight**.**ConnectionId

**association** **[**1**]** **to** ZIAKP\_DEMO\_CARRIER **as** \_carrier **on** **$projection.**CarrierId **=** \_carrier**.**CarrierId

**{**

@UI.facet: [ {

id: 'Connection',

type: #IDENTIFICATION\_REFERENCE,

label: 'Connection Details',

position: 10

},

{

id : 'Flight',

type: #LINEITEM\_REFERENCE,

label: 'Flight Details',

position: 20,

targetElement: '\_flight'

}]

@UI.lineItem: [{ position: 10 , label: 'Airline\_ID'}] //To Display the Line Items

@UI.identification: [{ position: 10 }] //To Dispaly the Object page Line Items

//@UI.selectionField: [{ position: 10 }] //Selection Field - Filter Option

@ObjectModel.text.association: '\_carrier' //Get the details from \_carrier association Carrier Name based on Carrier ID

//@Search.defaultSearchElement: true

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

@UI.lineItem: [{ position: 20}]

@UI.identification: [{ position: 20 }]

//@UI.selectionField: [{ position: 20 }]

//@Search.defaultSearchElement: true

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

@UI.lineItem: [{ position: 30 }]

@UI.identification: [{ position: 30 }]

@UI.selectionField: [{ position: 30 }]

@Search.defaultSearchElement: true

@Consumption.valueHelpDefinition: //Value help addition

[

{ entity :

{

name: 'ZIAKP\_DEMO\_AIRPORT\_VH',

element: 'AirportId'

}

}

]

airport\_from\_id **as** AirportFromId**,**

@UI.lineItem: [{ position: 40 }]

@UI.identification: [{ position: 40 }]

@UI.selectionField: [{ position: 40 }]

@Search.defaultSearchElement: true

@Consumption.valueHelpDefinition:

[

{ entity :

{

name: 'ZIAKP\_DEMO\_AIRPORT\_VH',

element: 'AirportId'

}

}

]

airport\_to\_id **as** AirportToId**,**

@UI.lineItem: [{ position: 50 ,label:'DepartureTime'}]

@UI.identification: [{ position: 50 ,label:'DepartureTime' }]

departure\_time **as** DepartureTime**,**

@UI.lineItem: [{ position: 60 ,label:'ArrivalTime'}]

@UI.identification: [{ position: 60 ,label:'ArrivalTime'}]

arrival\_time **as** ArrivalTime**,**

@Semantics.quantity.unitOfMeasure: 'DistanceUnit'

@UI.lineItem: [{ position: 70 }]

@UI.identification: [{ position: 70 }]

distance **as** Distance**,**

distance\_unit **as** DistanceUnit**,**

@Search.defaultSearchElement: true //Assocation is searchbale - The respective View should be searchble

\_flight**,** //Public Expose

@Search.defaultSearchElement: true

\_carrier

**}**

**Flight:**

@AbapCatalog.viewEnhancementCategory: [#NONE]

@AccessControl.authorizationCheck: #NOT\_REQUIRED

@EndUserText.label: 'Flight details'

@Metadata.ignorePropagatedAnnotations: true

@ObjectModel.usageType:{

serviceQuality: #X,

sizeCategory: #S,

dataClass: #MIXED

}

@Search.searchable: true

**define** **view** **entity** ZIAKP\_DEMO\_FLIGHT

**as** **select** **from** /dmo/flight

**association** **[**1**]** **to** ZIAKP\_DEMO\_CARRIER **as** \_carrier **on** **$projection.**CarrierId **=** \_carrier**.**CarrierId

**{**

@UI.lineItem: [{ position: 20}]

@ObjectModel.text.association: '\_carrier'

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

@UI.lineItem: [{ position: 30}]

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

@UI.lineItem: [{ position: 40}]

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

@UI.lineItem: [{ position: 50}]

@Semantics.amount.currencyCode: 'CurrencyCode'

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

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

@UI.lineItem: [{ position: 60}]

@Search.defaultSearchElement: true

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

@UI.lineItem: [{ position: 70}]

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

@UI.lineItem: [{ position: 80}]

seats\_occupied **as** SeatsOccupied**,**

\_carrier

**}**

Carrier:

@AbapCatalog.viewEnhancementCategory: [#NONE]

@AccessControl.authorizationCheck: #NOT\_REQUIRED

@EndUserText.label: 'Carrier Data'

@Metadata.ignorePropagatedAnnotations: true

@ObjectModel.usageType:{

serviceQuality: #X,

sizeCategory: #S,

dataClass: #MIXED

}

@Search.searchable: true

**define** **view** **entity** ZIAKP\_DEMO\_CARRIER **as** **select** **from** /dmo/carrier

**{**

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

@Search.defaultSearchElement: true

@Search.fuzzinessThreshold: 0.8

@Semantics.text: true

name **as** Name

**}**

Airport:

@AbapCatalog.viewEnhancementCategory: [#NONE]

@AccessControl.authorizationCheck: #NOT\_REQUIRED

@EndUserText.label: 'Value Help for departure and desination'

@Metadata.ignorePropagatedAnnotations: true

@ObjectModel.usageType:{

serviceQuality: #X,

sizeCategory: #S,

dataClass: #MIXED

}

@Search.searchable: true

**define** **view** **entity** ZIAKP\_DEMO\_AIRPORT\_VH

**as** **select** **from** /dmo/airport

**{**

@Search.defaultSearchElement: true

**key** airport\_id **as** AirportId**,**

@Search.defaultSearchElement: true

@Search.fuzzinessThreshold: 0.8

name **as** Name**,**

@Search.defaultSearchElement: true

city **as** City**,**

@Search.defaultSearchElement: true

country **as** Country

**}**

Service Definition:

@EndUserText.label: 'Service Definition'

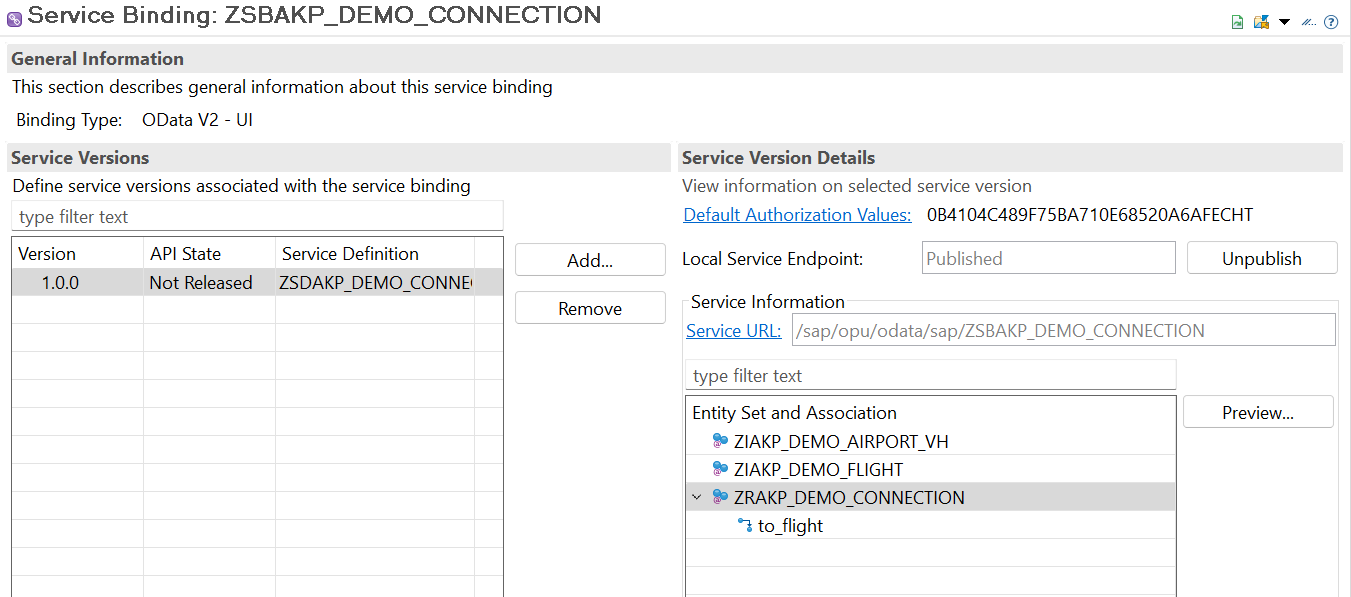
**define** **service** ZSDAKP\_DEMO\_CONNECTION **{**

**expose** ZRAKP\_DEMO\_CONNECTION**;**

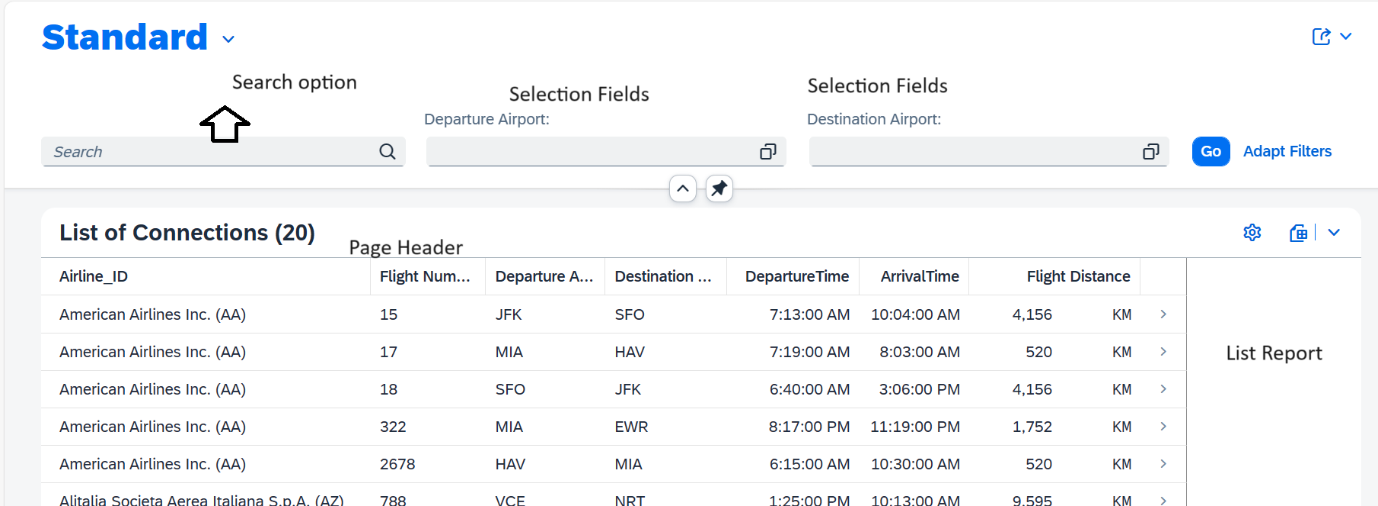
**expose** ZIAKP\_DEMO\_FLIGHT**;**

**}**

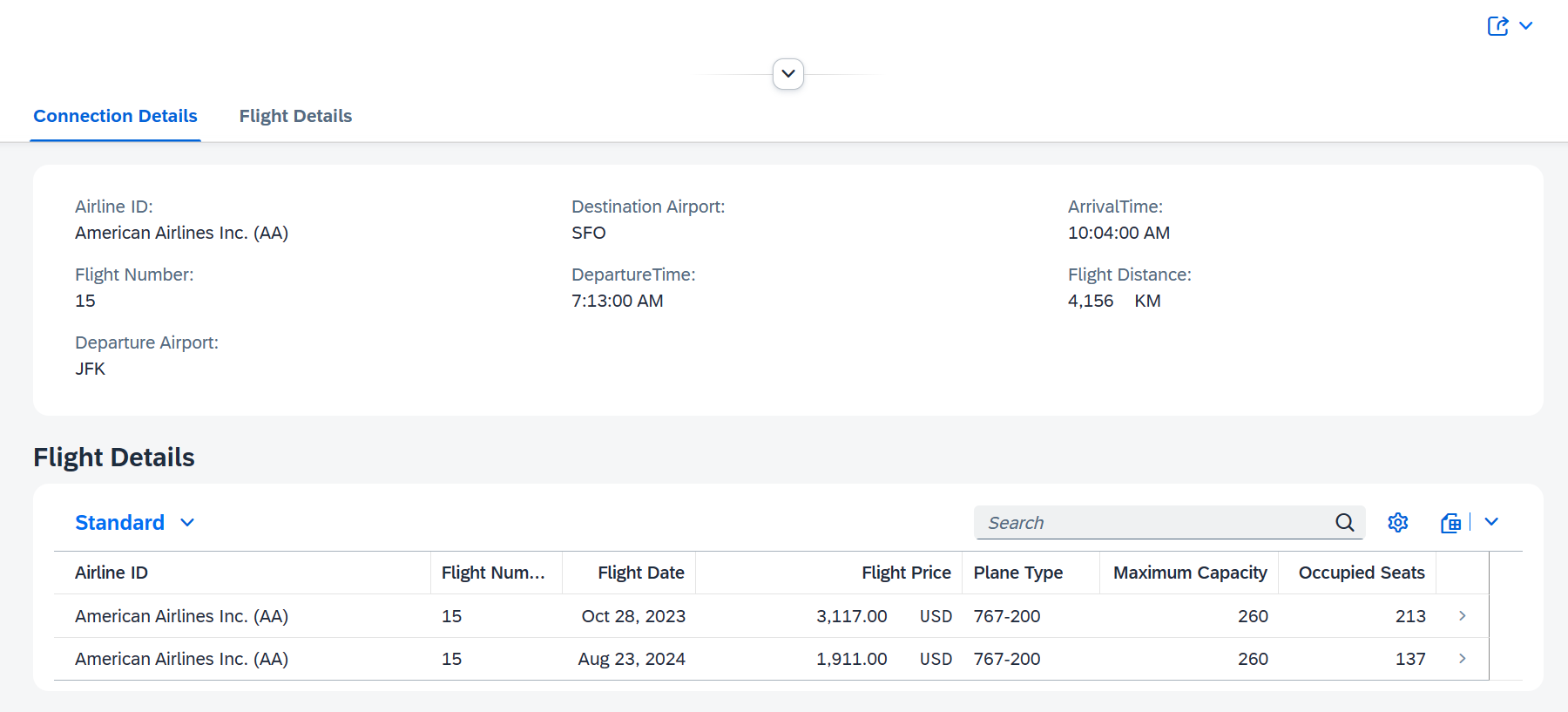
Service Binding:



Report:



Object Page:



Managed scenario:

Travel Table:

/DMO/TRAVEL\_M

/DMO/BOOKING\_M

/DMO/BOOKSUPPL\_M

/DMO/TRAVEL\_M

1 n 1 n

/DMO/BOOKSUPPL\_M

/DMO/BOOKING\_M

Interface Views:

ZAKP\_I\_TRAVEL\_M -- To Provide Travel details

ZAKP\_I\_BOOKING\_M --To Provide booking details

ZAKP\_BKINGSUPLL\_M -- To Provide booking supplement details

Other Standard Interface view are :

/DMO/I\_AGENCY – Agency details

/DMO/I\_CUSTOMER – Customer Details

/DMO/I\_CURRENCY --- Currency Codes

/DMO/I\_OVERALLSTATUS\_VH – Overall Status