### **Analytical List Page**

#### Task 1: Create a new CDS view ZWS## CDS ALP

- Create a new CDS base on CDS **ztmcds9\_c\_items\_cube**
- Set the annotatin @Metadata.allowExtensions: true
- Add the following fields

Field	Annotation
Sold	
ld	
CustomerName	@AnalyticsDetails.query.display: #TEXT_KEY
ProductId	
ProductName	
CurrencyCode	
GrossAmount	@Aggregation.default: #SUM
NetAmount	@Aggregation.default: #SUM
Quantity	@Aggregation.default: #SUM

```
@AbapCatalog.sqlViewName: 'ZWS##CDSALP'
@AbapCatalog.compiler.compareFilter: true
@AbapCatalog.preserveKey: true
@AccessControl.authorizationCheck: #CHECK
@EndUserText.label: 'Analytical List Page'
@Metadata.allowExtensions: true
define view ZWS##_CDS_ALP as select from ztmcds9_c_so_items_cube {
    key SoId,
    key Id,
    @AnalyticsDetails.query.display: #TEXT_KEY
    CustomerName,
    ProductId,
    ProductName,
    CurrencyCode,
    @Aggregation.default: #SUM
    GrossAmount,
    @Aggregation.default: #SUM
    NetAmount,
    @Aggregation.default: #SUM
```

```
Quantity
}
```

## Task 2: Create new Metadata Extension **ZWS##\_ME\_CDS\_ALP**

- Add annotation @UI.lineitem: [{position}] to all fields
- Make field Sold a filter selection field
- Add @UI.headerInfo to your CDS
- Add @UI.selectionPresentationVariant, @UI.presntationVariant, @UI.chart and @UI.selectionVariant to your CDS

```
@Metadata.layer: #CUSTOMER
@UI.headerInfo: { typeName: 'Sales Order Item',
                  typeNamePlural: 'Sales Order Items',
                  title.value: 'CustomerName',
                  description.value: 'ProductName'
@UI.selectionPresentationVariant: [
    {
        qualifier: 'Default',
        presentationVariantQualifier: 'Default',
        selectionVariantQualifier: 'Default'
    }
@UI.presentationVariant: [
        qualifier: 'Default',
        visualizations: [{
            type: #AS_CHART,
            qualifier: 'ChartDefault'
        }]
    }
]
@UI.chart: [
        qualifier: 'ChartDefault',
        title: 'Sales by Customer',
        chartType: #COLUMN,
        dimensions: [ 'CustomerName', 'ProductName' ],
        measures: [ 'GrossAmount' ],
        dimensionAttributes: [
```

```
dimension: 'CustomerName',
                role: #CATEGORY
            },
            {
                dimension: 'ProductName',
                role: #CATEGORY
            }
        ],
        measureAttributes: [{
            measure: 'GrossAmount',
            role: #AXIS_1,
            asDataPoint: false
        }]
    }
]
@UI.selectionVariant: [
        qualifier: 'Default',
        text: 'Default'
    }
]
annotate view ZWS##_CDS_ALP
    with
{
    @UI.lineItem : [{ position: 10}]
    @UI.selectionField: [{ position: 10 }]
    SoId;
    @UI.lineItem : [{ position: 20}]
    Id;
    @UI.lineItem : [{ position: 30}]
    CustomerName;
    @UI.lineItem : [{ position: 40}]
    ProductId;
    @UI.lineItem : [{ position: 50}]
    ProductName;
    @UI.lineItem : [{ position: 60}]
    CurrencyCode;
    @UI.lineItem : [{ position: 70}]
    GrossAmount;
    @UI.lineItem : [{ position: 80}]
    NetAmount;
    @UI.lineItem : [{ position: 90}]
    Quantity;
}
```

Task 3: Add the new CDS to your Service Definition

• Add your CDS as **AnalyticalListPage** to your *Service Definition* 

```
@EndUserText.label: 'UI ## Service Definition'
define service ZUI_WKSP_## {
   expose ZWS##_CDS_Simple as SimpleCDS;
   expose ZWS##_CDS_Basic as BasicCDS;
   expose ZWS##_CDS_LIST as BasicList;
   expose ZWS##_CDS_LIST_SEARCH as BasicSearch;
   expose ZWS##_CDS_LIST_OBJECT as ListObject;
   expose ZWS##_CDS_C_LO as ListObjectME;
   expose ZWS##_CDS_NAV_EXT as ExtNavi;
   expose ZWS##_CDS_OVP as OverviewPage;
   expose ZWS##_CDS_ALP as AnalyticalListPage;
}
```

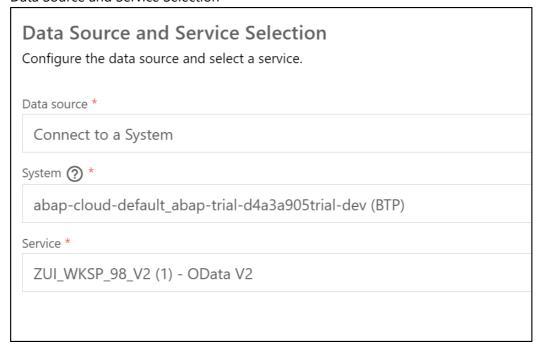
# Task 4: Create a new Fiori elements application with the CDS/OData V2

Create a new Fiori Application using the Template Wizard for a Analytical List Pagee

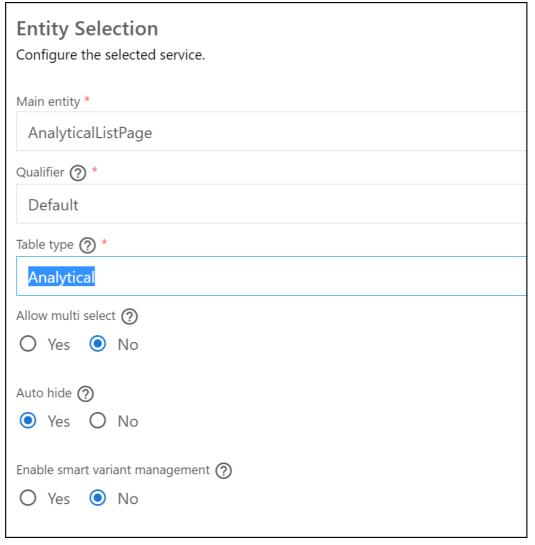
Field	Value
Data source	Connect to a System
System	abap-cloud-default_xx-dev (BTP)
Service	ZUI_WKSP_##_V2
Main entity	AnalyticalListPage
Qualifier	Default
Table type	Analytical
Allow multi select	No
Auto hide	Yes
enable smart variant management	No
Module name	analytic-page
Application title	Analytical List Page
Application namespace	nato.workshop
Description	Analytical List Page
Project folder path	/home/user/projects

Field	Value
Add deployment configuration	Yes
Add FLP configuration	Yes
Deployment Target	Cloud Foundry
Destination name	abap-cloud-default_xx(SCP)
Add application to managed application router	Yes
Semantic Object	NATO
Action	AnalyticPage
Title	Analytical List Page
Subtitle	Workshop

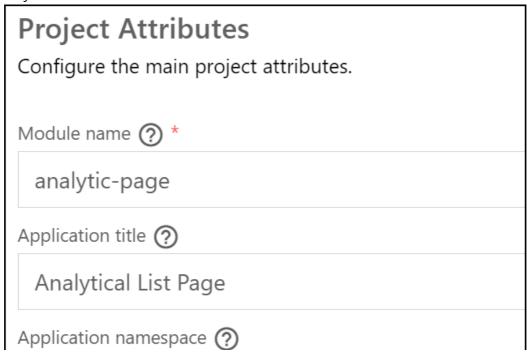
• Data Source and Service Selection



• Entity Selection



• Project Attributes



nato.workshop		
Description ②		
Analytical List Page		
Project folder path *		
/home/user/projects		
Minimum SAPUI5 version ② *		
1.96.7 (Source system version)		
Add deployment configuration		
O Yes O No		
Add FLP configuration		
Yes O No		
Configure advanced options		
O Yes   No		

• Fiori Launchpad Configuration

Fiori Launchpad Configuration Configure Fiori Launchpad settings		
Semantic Object *		
NATO		
Action *		
AnalyticPage		
Title *		
Analytical List Page		
Subtitle (optional)		
Workshop		
L		

#### • Preview the Application

