

# Analytical List Page

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## Task 1: Create a new CDS view **ZWS##\_CDS\_ALP**

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

Field	Annotation
Sold	
Id	
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.presentationVariant`, `@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

### Data Source and Service Selection

Configure the data source and select a service.

Data source \*

Connect to a System

System ⓘ \*

abap-cloud-default\_abap-trial-d4a3a905trial-dev (BTP)

Service \*

ZUI\_WKSP\_98\_V2 (1) - OData V2

- Entity Selection

### Entity Selection

Configure the selected service.

Main entity \*

AnalyticalListPage

Qualifier ? \*

Default

Table type ? \*

Analytical

Allow multi select ?

☐ Yes

☒ No

Auto hide ?

☒ Yes

☐ No

Enable smart variant management ?

☐ Yes

☒ No

- Project Attributes

### Project Attributes

Configure the main project attributes.

Module name ? \*


analytic-page

Application title ?

Analytical List Page

Application namespace ?


nato.workshop

Description 

Analytical List Page

Project folder path \*

/home/user/projects

Minimum SAPUI5 version  \*

1.96.7 (Source system version)

Add deployment configuration

☒ Yes ☐ No

Add FLP configuration

☒ Yes ☐ No

Configure advanced options

☐ Yes ☒ No

- Fiori Launchpad Configuration

## Fiori Launchpad Configuration

Configure Fiori Launchpad settings

Semantic Object \*

NATO

Action \*

AnalyticPage

Title \*

Analytical List Page

Subtitle (optional)

Workshop



Preview the Application

