#vSAPCDSStarterSet - Workshop Basics I
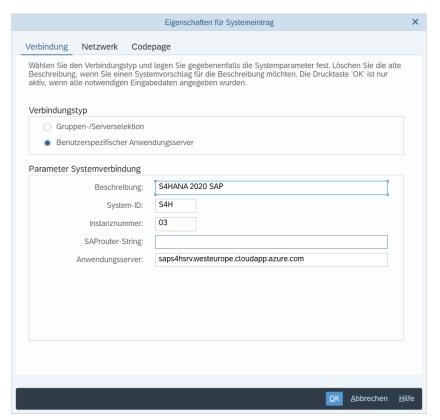
- S/4HANA 2020 exercises

Login S/4HANA 2020

- User auf S/4HANA System
- saps4hsrv.westeurope.cloudapp.azure.com

Exercise 1)

- 1. Create a Cube CDS View ZI_SO_XX with SQL View Name ZISO01_XX with selecting fields
    - VBELN, VKORG, KUNNR, NETWR and WAERK from **VBAK**

    Or
    - `SalesOrder, SalesOrganization, SoldToParty,    TotalNetAmount, TransactionCurrency  from I_SALESORDER`

        (view or view entity)

- 2. Create a Query View ZC_SO_01_XX with SQL View Name ZCSO02_XX (Consumption View) selecting the same fields

    (this is not (yet) working for view entities)

- Use Fiori ‚view browser' to Check the Content

- Optional: Use other tools like RSRT, Webdynpro...

Exercise 2)

- Enhance the views to allow Customer F4 Help and Attributes like customer Name by using $projection to _Customer in the Cube

- Use Fiori to display the data and attributes

- Optional: play around with annotations, filters

- Optional: create ODATA and call from Application Studio

Solution:

Solutions:

CUBE

```
//@AbapCatalog.sqlViewName: 'ZISO02_JK'
@AbapCatalog.viewEnhancementCategory: [#NONE]
@AccessControl.authorizationCheck: #CHECK
@EndUserText.label: 'Basic View'
@VDM.viewType: #BASIC
@Analytics.dataCategory: #CUBE
@Metadata: {
   allowExtensions: true,
   ignorePropagatedAnnotations:true
}
@ObjectModel.usageType:{
     serviceQuality: #X,
     sizeCategory: #S,
     dataClass: #MIXED
}

define view entity ZI_SO_02_JK as select from I_SalesOrder
association[1..1] to I_Customer     as _Customer on $projection.SoldToParty = _Customer.Customer

{

    SalesOrder as SalesOrder,
SalesOrganization as SalesOrganization,
@ObjectModel.foreignKey.association: '_Customer'
SoldToParty,
    Customer,
    @Semantics.amount.currencyCode: 'TransactionCurrency'
    TotalNetAmount,
    TransactionCurrency

    }
```

Query

```
@AbapCatalog.sqlViewName: 'ZCSO02JK'

@AccessControl.authorizationCheck: #CHECK

@EndUserText.label: 'Consumption View VBAK'

@VDM.viewType: #COMPOSITE

@Analytics.query: true

@Metadata.allowExtensions: true

//@Search.searchable: true

@OData.publish: true


define view ZC_SO_02_JK as select from ZI_SO_02_JK {

    SalesOrder as SalesOrder,

    SalesOrganization as SalesOrganization,

    SoldToParty,

    @DefaultAggregation:#SUM

    TotalNetAmount,

     @Consumption.filter.defaultValue: 'USD'

    TransactionCurrency

}
```