



#vSAPCDSStarterSet - Workshop Basics I

- S/4HANA 2020 exercises



Login S/4HANA 2020

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

Eigenschaften für Systemeintrag

Verbindung Netzwerk Codepage

Wählen Sie den Verbindungstyp und legen Sie gegebenenfalls die Systemparameter fest. Löschen Sie die alte Beschreibung, wenn Sie einen Systemvorschlag für die Beschreibung möchten. Die Drucktaste 'OK' ist nur aktiv, wenn alle notwendigen Eingabedaten angegeben wurden.

Verbindungstyp

☐ Gruppen-/Serverselektion

☒ Benutzerspezifischer Anwendungsserver

Parameter Systemverbindung

Beschreibung: S4HANA 2020 SAP

System-ID: S4H

Instanznummer: 03

SAProuter-String:

Anwendungsserver: saps4hsrv.westeurope.cloudapp.azure.com

OK Abbrechen Hilfe

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:

- > **D** ZC_SO_01_JK *Consumption View*
- > **D** ZC_SO_02_JK *Consumption View*
- > **D** ZC_SO_03_JK *Consumption View*
- > **L** ZC_SO_04_JK *Consumption View*
- > **D** ZI_SO_01_JK *View Entity*
- > **D** ZI_SO_02_JK *View Entity*
- > **D** ZI_SO_03_JK *View Entity*
- > **D** ZI_SO_04_JK *View Entity*

CUBE



```
//@AbapCatalog.sqlViewName: 'ZIS002_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_S0_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: 'ZCS002JK'
```

```
@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  
}
```