

## Complete Demo code

Below we have the complete code used for the demo until now.

### CDS views:

1. ZI\_PurOrderHdr – Basic View
2. ZI\_PurOrderItem – Basic View
3. ZI\_pocust1 – Basic View
4. ZI\_material1 – Basic View
5. ZI\_PurOrderHdrEnhanced – Header Composite view
6. ZI\_PurOrderItemEnh – Item Composite View

### ZI\_PurOrderHdr – Basic view

```
@AbapCatalog.sqlViewName: 'ZIPURHDR1'
@AbapCatalog.compiler.compareFilter: true
@AbapCatalog.preserveKey: true
@AccessControl.authorizationCheck: #CHECK
@endUserText.label: 'Purchase Order Header'
@VDM.viewType: #BASIC
@odata.publish: true
@ClientHandling.type: #INHERITED
@ClientHandling.algorithm: #AUTOMATED
define view ZI_PurOrderHdr
  as select from ekko
    association [0..*] to ZI_PurOrderItem as _POItem on
$projection.PurchaseOrder = _POItem.PurchaseOrder
    association [1..1] to zi_pocust1 as _POSupp on
$projection.Supplier = _POSupp.Supplier
{
  key ebeln          as PurchaseOrder,
    bsart            as PurOrderType,
    ekorg            as PurOrganization,
    ekgrp            as PurGroup,
    lifnr            as Supplier,
    _POSupp.SupplierName as SupplierName,
    waers            as DocCurrency,
    aedat            as CreationDate,
    rlwrt            as TotalValue,
    @ObjectModel.association.type: [#TO_COMPOSITION_CHILD]
    _POItem,
    _POSupp
}
where
  ernam = $session.user
```

## ZI\_PurOrderItem – Basic View

```
@AbapCatalog.sqlViewName: 'ZIPURORDITEM'
@AbapCatalog.compiler.compareFilter: true
@AbapCatalog.preserveKey: true
@AccessControl.authorizationCheck: #CHECK
@endUserText.label: 'Purchase Order Item'
define view ZI_PurOrderItem
  as select from ekpo
    association [1..1] to ZI_PurOrderHdr as _POHdr on
$projection.PurchaseOrder = _POHdr.PurchaseOrder
    association [1..1] to ZI_material1 as _Material on
$projection.Material = _Material.Material
  {
    key ebeln                                as PurchaseOrder,
    key ebelp                                as
PurchaseOrderItem,
      matnr                                as Material,
      _Material.MaterialType              as MaterialType,
      txz01                                as POItemText,
      matkl                                as MaterialGroup,
      werks                                as Plant,
      lgort                                as
StorageLocation,
      concat_with_space(werks, lgort, 1)   as StorageDetails,
      @Semantics.quantity.unitOfMeasure: 'OrderUnit'
      menge                                as OrderQuantity,
      @Semantics.unitOfMeasure: true
      meins                                as OrderUnit,
      netpr                                as NetPrice,
      cast( netpr as abap.fltp(16) ) * 0.35 as TaxAmount,
      netwr                                as NetOrderValue,
      cast(netwr as abap.fltp(16)) * 0.75   as
DiscountedNetOrder,
      ceil(cast(netwr as abap.fltp(16)) * 0.75) as
DiscountedRoundedNetOrd,
      @ObjectModel.association.type: [#TO_COMPOSITION_PARENT,
#TO_COMPOSITION_ROOT]
      _POHdr,
      _Material
  }
}
```

## ZI\_pocust1 – Basic View

```
@AbapCatalog.sqlViewName: 'ZIPOCUST12'
@AbapCatalog.compiler.compareFilter: true
@AbapCatalog.preserveKey: true
@AccessControl.authorizationCheck: #CHECK
@EndUserText.label: 'Supplier'
define view zi_pocust1
  as select from lfa1
{
  key lifnr as Supplier,
    land1 as Region,
    name1 as SupplierName
}
```

## ZI\_material1 – Basic View

```
@AbapCatalog.sqlViewName: 'ZIMAT1'
@AbapCatalog.compiler.compareFilter: true
@AbapCatalog.preserveKey: true
@AccessControl.authorizationCheck: #CHECK
@EndUserText.label: 'Material'
define view ZI material1
  as select from mara
{
  key matnr as Material,
    mtart as MaterialType,
    meins as BaseUnit
}
```

## ZI\_PurOrderHdrEnhanced – Header Composite view

```
@AbapCatalog.sqlViewName: 'ZIPURHDRE'
@AbapCatalog.compiler.compareFilter: true
@AbapCatalog.preserveKey: true
@AccessControl.authorizationCheck: #CHECK
@EndUserText.label: 'Purchase Order hdr Composite'
@VDM.viewType: #COMPOSITE
define view ZI_PurOrderHdrEnhanced as select from ZI_PurOrderHdr
association [0..*] to ZI_PurOrderItemEnh as _POItem on
$projection.PurchaseOrder = _POItem.PurchaseOrder
{
  key PurchaseOrder,
  case (PurOrderType)
    when 'RQ' then 'External Quotation'
    when 'UB' then 'Stock transport order'
    else 'Other order'
```

```

        end
        as PurOrderTypeDesc,
        PurOrganization,
        PurGroup,
        Supplier,
        SupplierName,
        DocCurrency,
        CreationDate,
        TotalValue,
        currency_conversion( amount => TotalValue,
                             source_currency => DocCurrency,
                             target_currency => cast ('USD' as
waers),
                             exchange_rate_date => CreationDate
        as TotalUSDValue,
    )
    /* Associations */
    _POItem
    //_POSupp
}

```

## ZI\_PurOrderItemEnh – Item Composite View

```

@AbapCatalog.sqlViewName: 'ZIPURORDITME'
@AbapCatalog.compiler.compareFilter: true
@AbapCatalog.preserveKey: true
@AccessControl.authorizationCheck: #CHECK
@endUserText.label: 'Composite View Purord item'
@VDM.viewType: #COMPOSITE
define view ZI_PurOrderItemEnh as select from ZI_PurOrderItem
association [1..1] to ZI_PurOrderHdrEnhanced as _POHdr on
$projection.PurchaseOrder = _POHdr.PurchaseOrder
{
    key PurchaseOrder,
    key PurchaseOrderItem,
    Material,
    MaterialType,
    POItemText,
    MaterialGroup,
    Plant,
    StorageLocation,
    StorageDetails,
    @Semantics.quantity.unitOfMeasure: 'OrderUnit'
    OrderQuantity,
    @Semantics.unitOfMeasure: true
    OrderUnit,
    NetPrice,
    TaxAmount,
}

```

```
NetOrderValue,  
DiscountedNetOrder,  
DiscountedRoundedNetOrd,  
/* Associations */  
//_Material,  
@ObjectModel.association.type: [#TO_COMPOSITION_PARENT,  
#TO_COMPOSITION_ROOT]  
_POHdr  
}
```