

A group of four business professionals (three men and one woman) are seated around a table in a modern office setting, smiling and looking towards the right. They are dressed in business attire. A red banner is overlaid on the bottom right of the image.

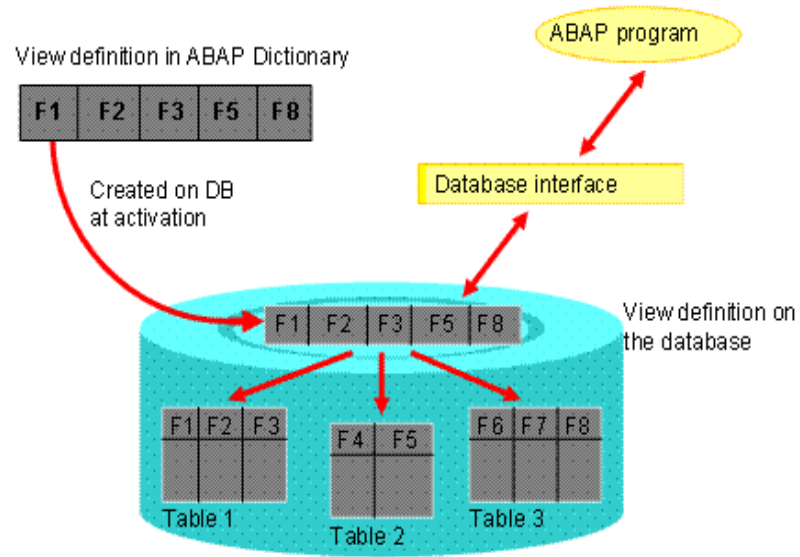
Explore HANA

CDS Views – Part 1

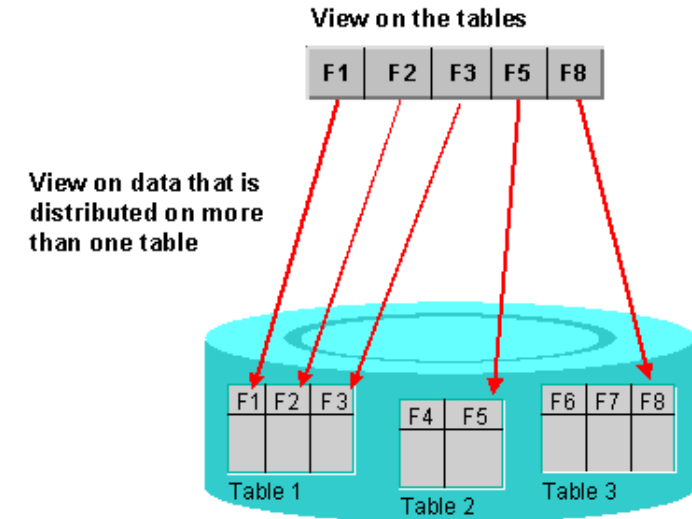
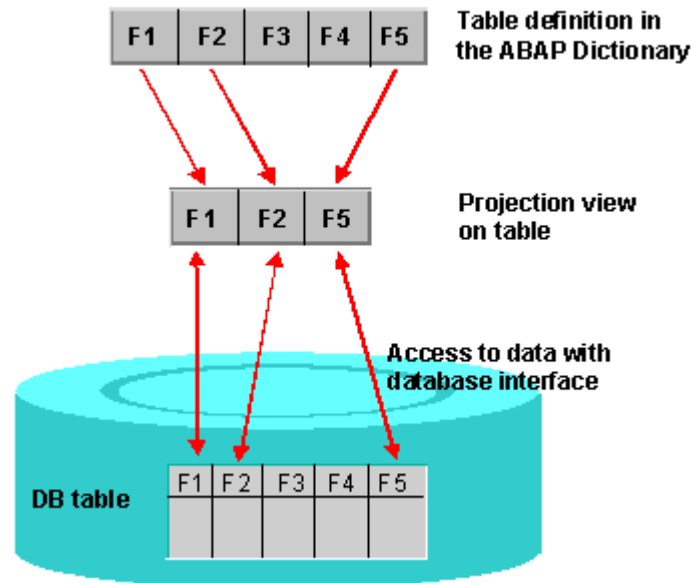
Recap

1. ABAP on HANA
 - ✓ New Syntax
 - ✓ New Age SQL for ABAP
 - ✓ SELECT – with lot of new way of code
2. CDS View
 - ✓ Brief about CDS view
 - ✓ Standard and Custom CDS View
 - ✓ Sample CDS in HANA Studio

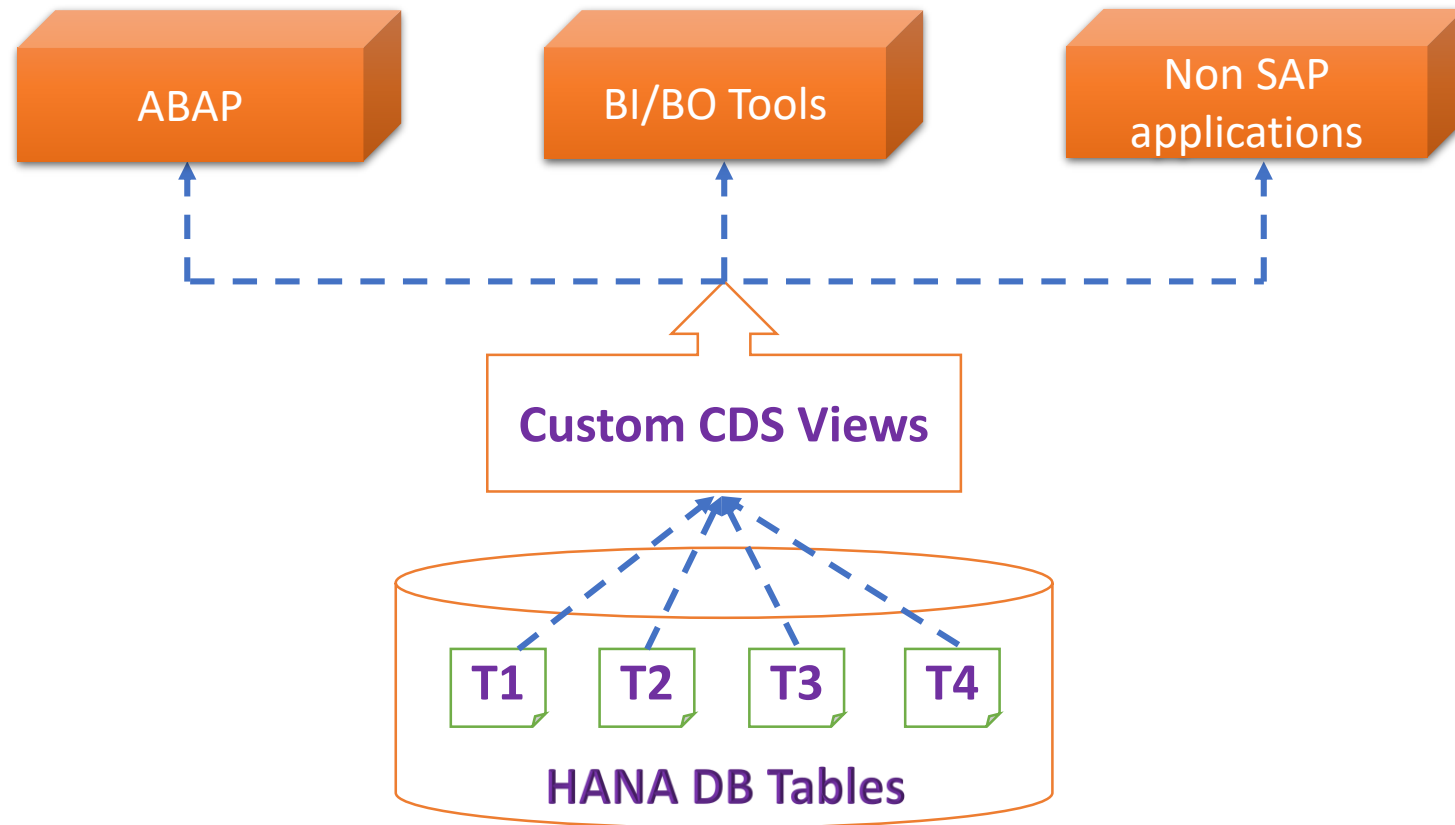
CDS Views




ABAP Views



CDS View



CDS View Basic

 ZCDS_VIEW 

```
1 @AbapCatalog.sqlViewName: 'ZcdsView'
2 @AbapCatalog.compiler.compareFilter: true
3 @AccessControl.authorizationCheck: #CHECK
4 @EndUserText.label: 'Define View CDS ENTITY'
5 define view Zcds_View as select from scustom
6 {
7     scustom.id,
8     scustom.name,
9     scustom.city
10 }
```

Name of SQL view

Name of CDS entity



Name of Data source (eg. DDIC table, view and CDS view)

CDS View - Difference

One Concept, Two Flavors

ABAP CDS View	HANA CDS View
Can be used in any database	Can be used only for HANA database

CDS View Basic

 ZCDS_VIEW 

```
1 @AbapCatalog.sqlViewName: 'ZcdsView'
2 @AbapCatalog.compiler.compareFilter: true
3 @AccessControl.authorizationCheck: #CHECK
4 @EndUserText.label: 'Define View CDS ENTITY'
5 define view Zcds_View as select from scustom
6 {
7     scustom.id,
8     scustom.name,
9     scustom.city
10 }
```

Name of SQL view

Name of CDS entity

Name of Data source (eg. DDIC table, view and CDS view)

CDS View with Parameters

```
1 @AbapCatalog.sqlViewName: 'ytxtcds'
2
3
4 define view Ytxt_Cds_Simple
5 with parameters p_BUKRS: BUKRS, p_bsart:esart
6
7 as select from ekko {
8     key ebeln,
9         aedat,
10        bukrs
11 }where bukrs = :p_bukrs
12        and bsart = :p_bsart;
13
```


CDS View with Parameters

```
1 @AbapCatalog.sqlViewName: 'ytxtcds'
2
3
4 define view Ytxt_Cds_Simple
5 with parameters p_BUKRS: BUKRS
6
7 as select from ekko {
8     key ebeln,
9         aedat,
10        bukrs
11 }where bukrs = :p_bukrs;
```

CDS View with Inner Join

```
1 @AbapCatalog.sqlViewName: 'ytxtcds'
2
3
4 define view Ytxt_Cds_Simple
5 with parameters p_BUKRS: BUKRS
6 as select from ekko as _poh inner join ekpo as _poi
7 on _poh.ebeln = _poi.ebeln
8 {
9     key _poh.ebeln,
10     _poh.aedat,
11     _poh.bukrs,
12     _poi.ebelp,
13     _poi.matnr
14 }where _poh.bukrs = :p_bukrs;
```

CDS View with calculation

```
1 @AbapCatalog.sqlViewName: 'ytxtcds'
2
3
4 define view Ytxt_Cds_Simple
5 with parameters p_BUKRS: BUKRS
6 as select from ekko as _poh inner join ekpo as _poi
7 on _poh.ebeln = _poi.ebeln
8 {
9     key _poh.ebeln,
10     _poh.aedat,
11     _poh.bukrs,
12     _poi.ebelp,
13     _poi.netpr + 100 as Net_price,
14     _poi.matnr
15 }where _poh.bukrs = :p_bukrs;
```

CDS View with CASE

```
4 define view Ytxt_Cds_Simple
5 with parameters p_BUKRS: BUKRS
6 as select from ekko as _poh inner join ekpo as _poi
7 on _poh.ebeln = _poi.ebeln
8 {
9     key _poh.ebeln,
10     _poh.aedat,
11     _poh.bukrs,
12     case _poh.bsart
13         when 'NB' then 'Standard PO'
14         when 'UB' then 'STO'
15         else 'Others'
16     end as Order_Type,
17
18     _poi.ebelp,
19     _poi.netpr + 100 as Net_price,
20     _poi.matnr
21 }where _poh.bukrs = :p_bukrs;
```

CDS View with CASE

```
4 define view Ytxt_Cds_Simple
5 with parameters p_BUKRS: BUKRS
6 as select from ekko as _poh inner join ekpo as _poi
7 on _poh.ebeln = _poi.ebeln
8 {
9     key _poh.ebeln,
10     _poh.aedat,
11     _poh.bukrs,
12     case _poh.bsart
13         when 'NB' then 'Standard PO'
14         when 'UB' then 'STO'
15         else 'Others'
16     end as Order_Type,
17
18     case _poh.statu
19         when '9' then 'PO'
20         else 'Invalid'
21     end as Status,
22
23     _poi.ebelp,
24     _poi.netpr + 100 as Net_price,
25     _poi.matnr
26 }where _poh.bukrs = :p_bukrs;
```

Thank You

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