

Week 4 Unit 3: Domain-Specific Usage of Core Data Services



Domain-Specific Usage of Core Data Services

Outline

Content

- CDS Annotation Concept
- CDS Annotations
 - SQL View Name
 - Client Handling
 - Buffering
 - Currency & Quantity Columns
- CDS meets SAP Gateway



Domain-Specific Usage of Core Data Services

CDS Annotation Concept



Additional
Material

Enrich the CDS data models with additional metadata

- Annotations begin with @

Different ABAP-specific information can be maintained

- Name of the associated SQL view
- Buffering
- Client dependency
- Reference information for Currency and Quantity columns

```
@AbapCatalog.sqlViewName: 'ZDDL_S_CDS_40'  
@ClientDependent: true  
@AbapCatalog.Buffering.status:  
#SWITCHED_OFF  
define view zcdsv_annotation_simple as  
select from snwd_so  
{  
  key so_id as customer_id,  
  @Semantics.currencyCode  
  currency_code,  
  @Semantics.amount.currencyCode:  
  'currency_code'  
  gross_amount  
}
```

Domain-Specific Usage of Core Data Services

CDS Annotations – Demo

Annotations in CDS

- Name of the associated SQL view
- Buffering
- Client dependency
- Reference information for Currency and Quantity columns

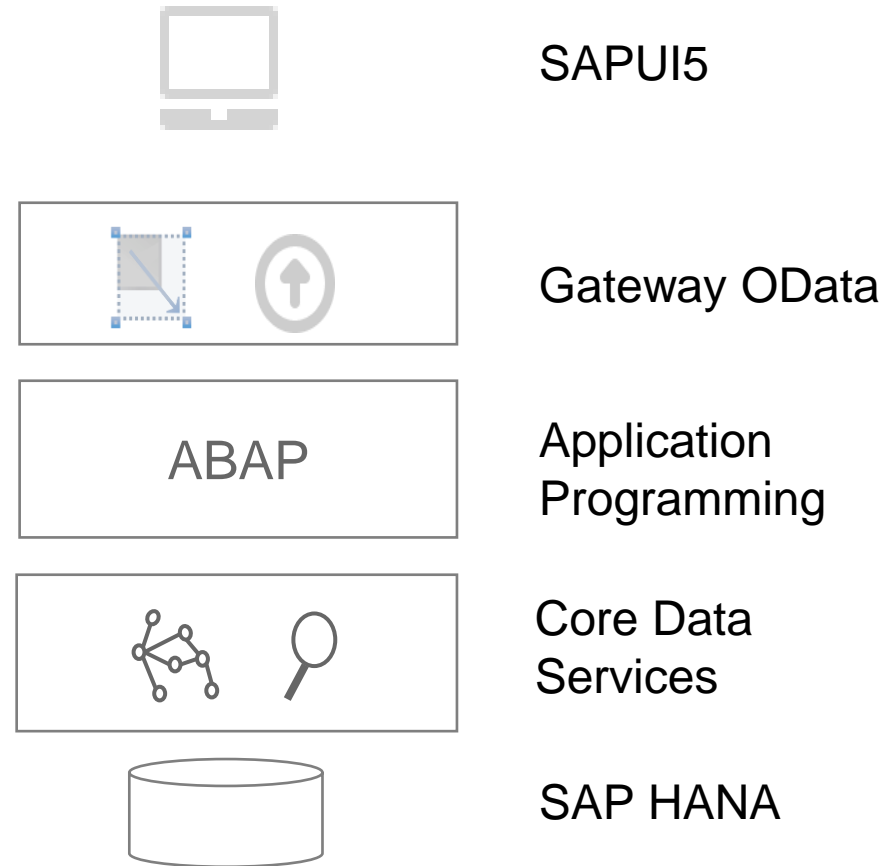


Domain-Specific Usage of Core Data Services

Consumption of CDS Views in SAP Gateway

CDS View Consumption

- Direct mapping of CDS views to an entity set in an OData service
- Completely modeled approach; no coding needed for read operations
- OData service can be easily bound to an SAPUI5 control



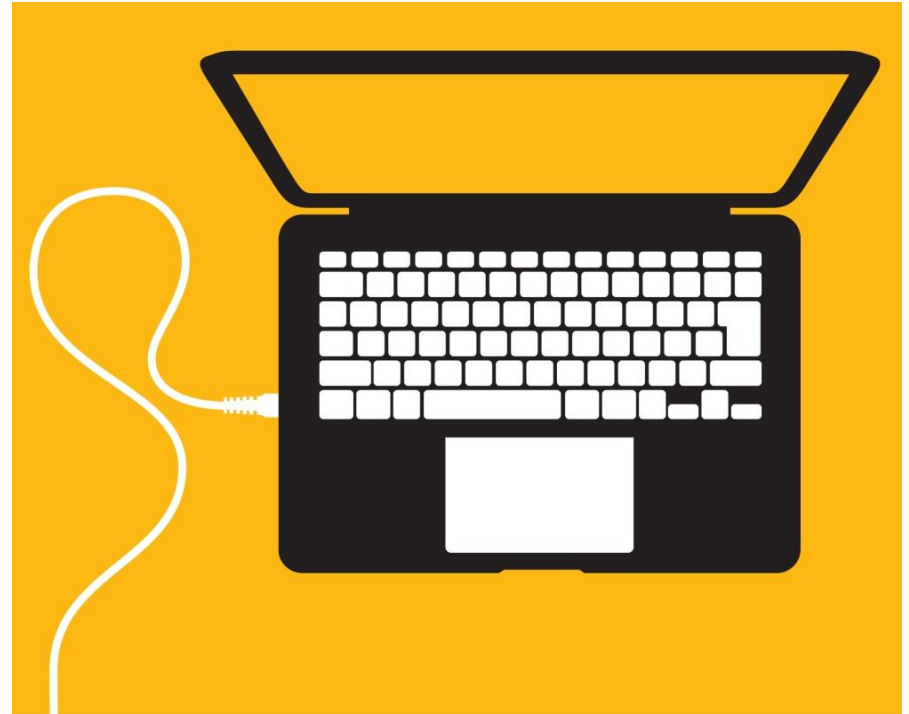
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CDS View Consumption in SAP Gateway – Demo

CDS in SAP Gateway

- Result of OData request on your trial system:

http://abapci:50000/sap/opu/odata/sap/ZA4H1_E2E_CUST_INFO_SRV/Customers?sap-ds-debug=true



Domain-Specific Usage of Core Data Services

Consumption of CDS Views and AMDPs in an SAP Fiori Application



Additional
Material

End-to-end application demo

- On your trial system:
http://abapci:50000/sap/bc/ui5_ui5/sap/za4h1_e2e_fiori/index.html?sap-client=001

Guide to build the application on your own:

- <http://scn.sap.com/docs/DOC-54541>

Customers		
SAP	D	Category
100000000		
DelBont Industries	S	Category
100000002		
Talpa	C	Category
100000003		
Panorama Studios	D	Category
100000004		
TECUM	S	Category
100000005		
More		
[5 / 38]		
CDS		

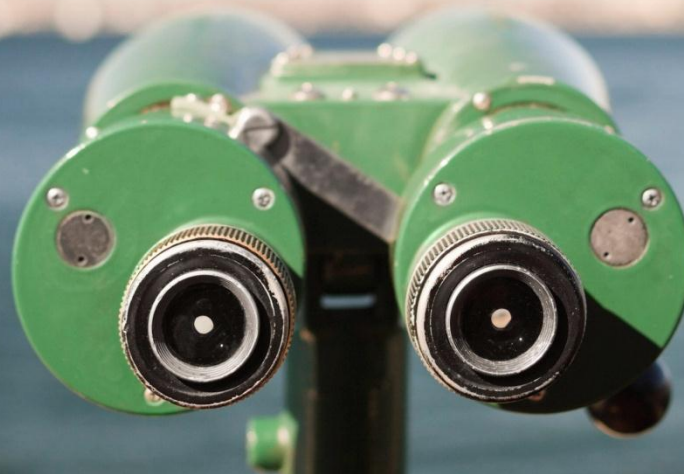
Talpa		15842570.29 USD
100000003		
Hannover		
30625		
An der Breiten Wiese		
DE		
AMDP		
Order ID	Creation Date	Gross Amount
500000527	2014-01-08T00:00:00.00000000	5016.47 USD
500001526	2014-01-06T00:00:00.00000000	11149.24 USD
500001527	2014-01-07T00:00:00.00000000	5016.47 USD
500001536	2014-01-16T00:00:00.00000000	202.42 USD
500002537	2014-01-06T00:00:00.00000000	5016.47 USD
500002546	2014-01-15T00:00:00.00000000	202.42 USD
500003285	2014-01-26T00:00:00.00000000	24797.97 USD
500003546	2014-01-14T00:00:00.00000000	
AMDP		

Domain-Specific Usage of Core Data Services

What's Next?

Week 4 Unit 4

SAP BW and ABAP for SAP HANA: A Perfect Match





Thank you

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