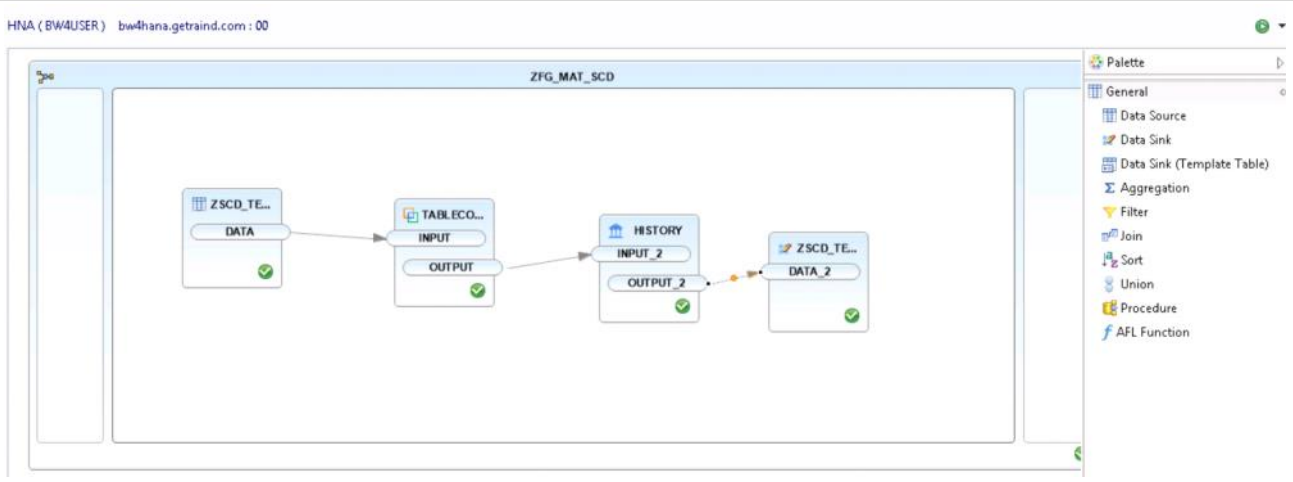
S05_B4H_Intro

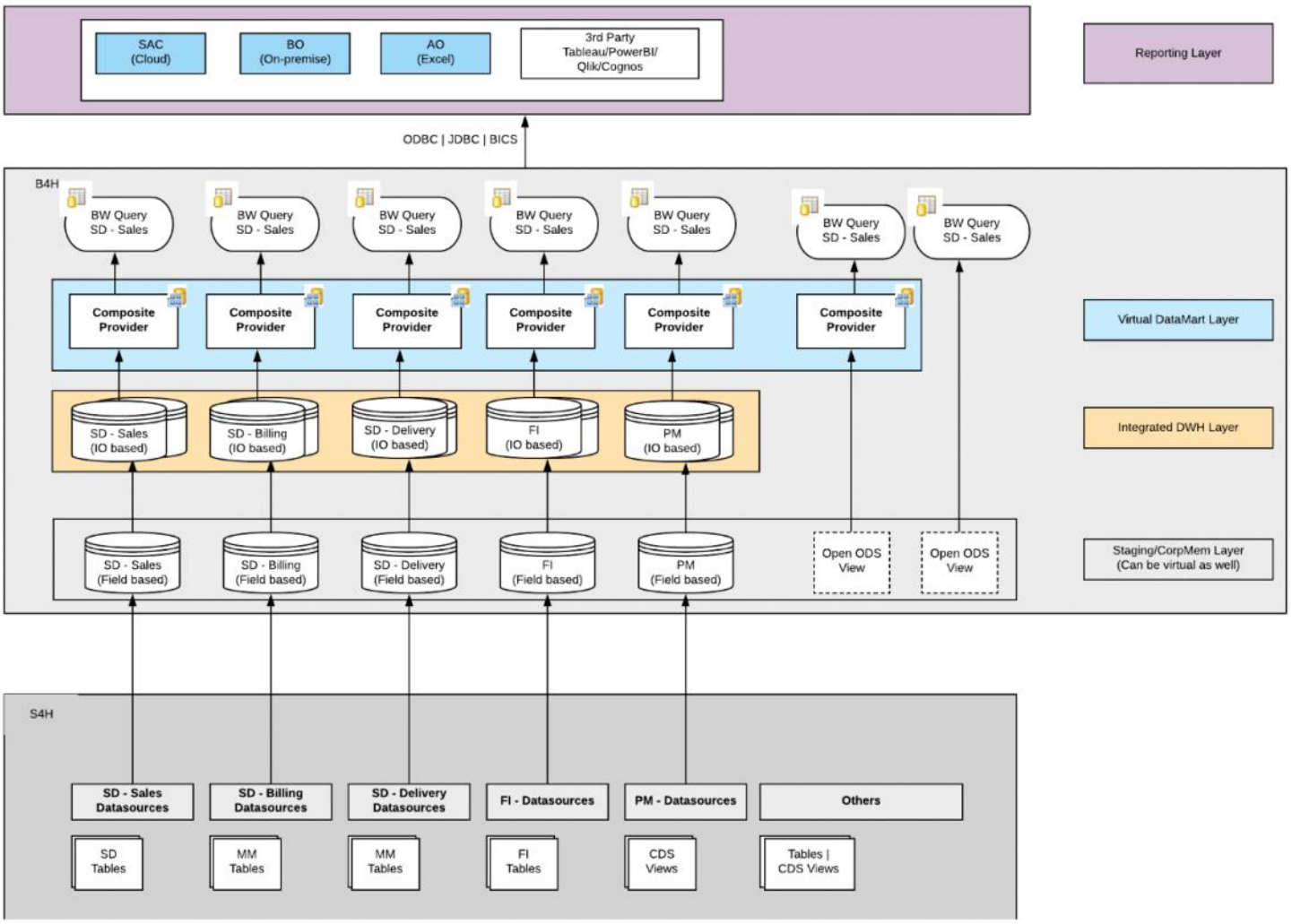
B4H Introduction	1. BW4HANA Dataflow (LSA++) 2. B4H Objects and Purpose 3. BW4 new BI content glimpse 4. Old vs New objects in B4H 5. Introduction to LO Cockpit (Still relevant for S4H & B4H) 6. Important Links to keep handy	15th Aug: 8:30 AM - 10:30 AM
B4H - Datasource Activation and Enhancement	1. LO Cockpit DS activation. 2. LO Cockpit DS Enhancement RSU5_SAPI_BADI	15th Aug: 8:30 AM - 10:30 AM

Q & A Session

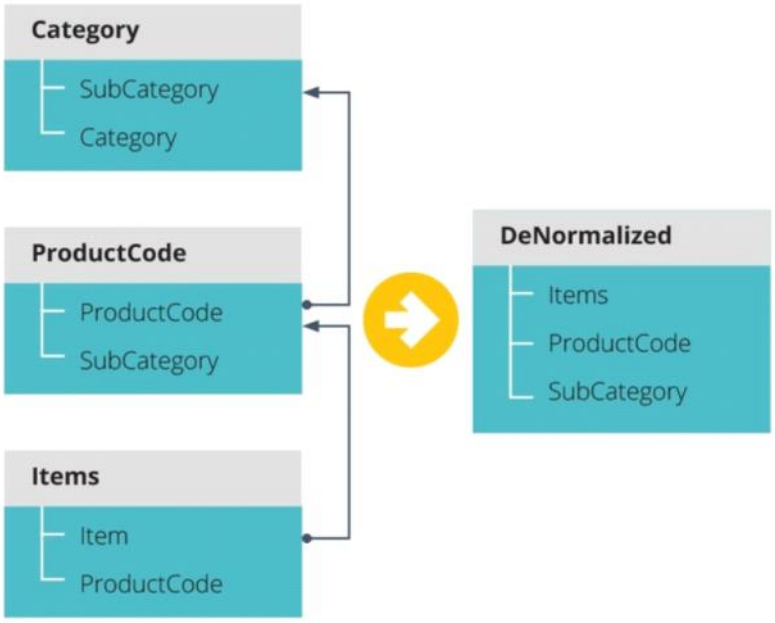
SDA - Identifying Delta - Flowgraphs

Definition	▪ Flowgraphs are graphical tool to transform data. ▪ Used in conjunction with SDA. ▪ Can be used in a regular way for different data transforms. ▪ Comes with SDA. Doesn't require any additional license. ▪ Can end up being a procedure or task.
SCDs	Home Address: 1900-01-01 to 2020-08-01: US (Cincinati) Home Address: 2020-08-02 to current: Canada (Toronto) SCD will always have a validity (Valid_From & Valid_To)
Can be used for SCDs in SAP HANA	

B4H - Dataflow



Objects and Definitions

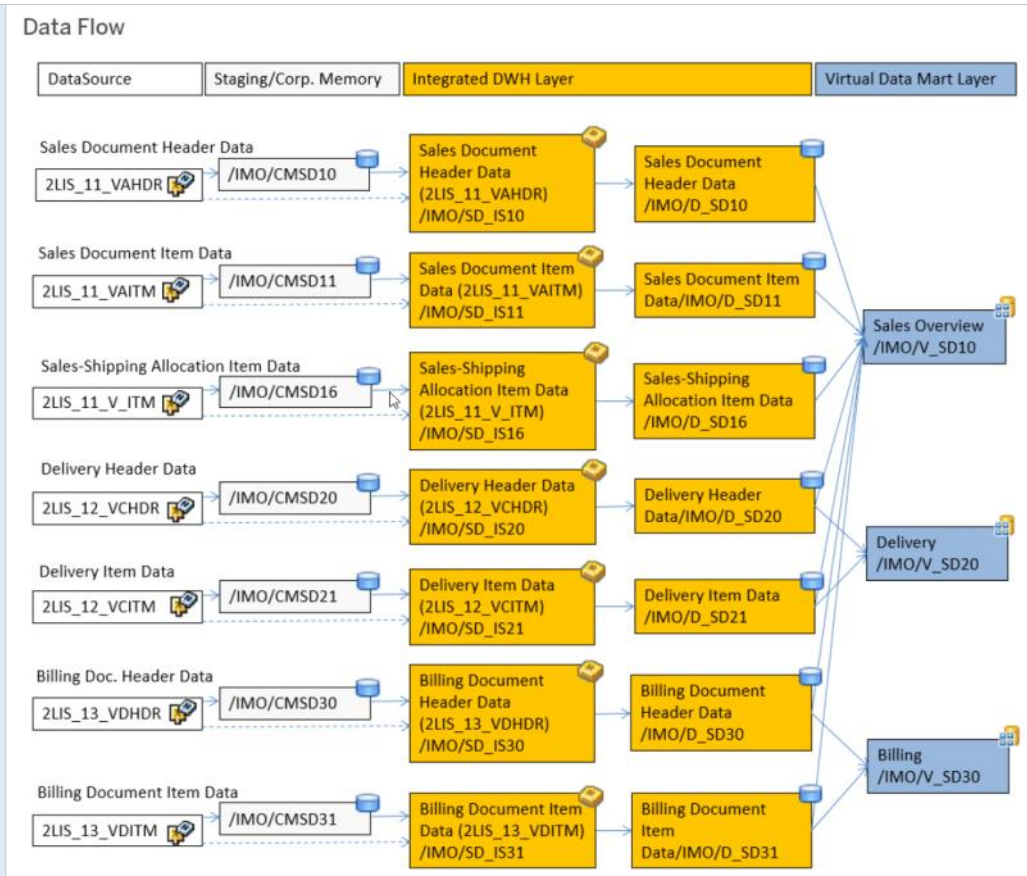
S4H	S4HANA - SAP's ERP
B4H	BW4HANA - SAP's Datawarehousing Solution
Tables in S4H	The database tables in S4H where all the data sits. Tables follow a denormalized approach: 
Datasource	A combination of: Structure Logic to populate the structure
Infoobject	The lowest data container in BW. Just like a cell in excel.
Field	Another lowest data container in BW. Creates transient Infoobjects (2F/4F)
ADSO (Advanced Data Store Object)	The next level data container. Made up of InfoObjects or Fields or a combination. Just like a sheet in excel.
OpenODS View	Virtual data container. Doesn't store data. Similar to virtual tables in SAP HANA.
CompositeProvider	The data container which itself doesn't store data but combines data from ADSOs/InfoObjects/Fields. Just like a workbook containing sheets.
DTP	The agent which loads data from S4H to BW
Transformation	The changes you want in the data while the DTP loads data into BW. E.g. You want only first 4 characters of a field value not the entire value. E.g. You want to populate a field based on the values of 2 source fields such as a flag - populate the flag as 'Y' if SourceField 1 = 'A' and SourceField2 = 'B' else flag as 'N'.
Infosource	Doesn’t store data. It's to combine multiple sources to multiple targets with different logic. Logical Join in BW4HANA. Consolidation of source logic to one single logic.
BI Content	The already provided objects from SAP which makes development easier and faster.
Customization/Custom Objects	Z*, Y* Created when BI content doesn't satisfy the requirement

BW4 Content

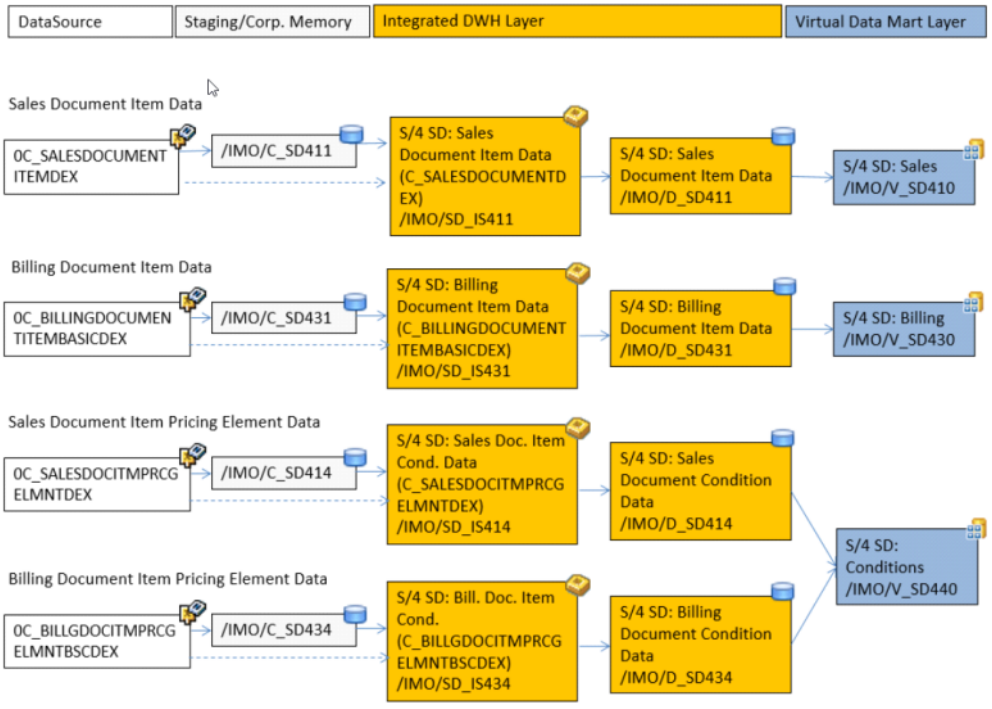
Link	https://help.sap.com/viewer/06e872f914a44d77b6c692b0273ca400/2.0.4/en-US/20b4b01f5baf46af8fbd439c741adf00.html

SD - Dataflow

S4H (on-premise)

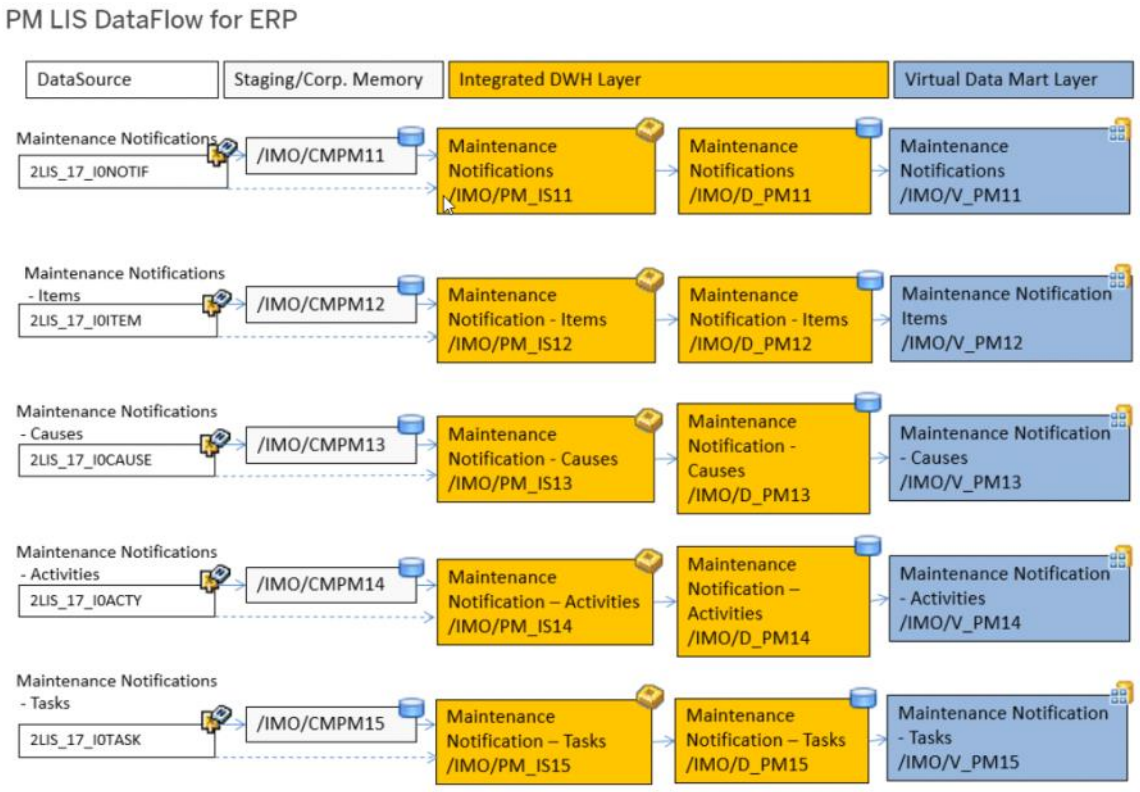


S4H - Cloud

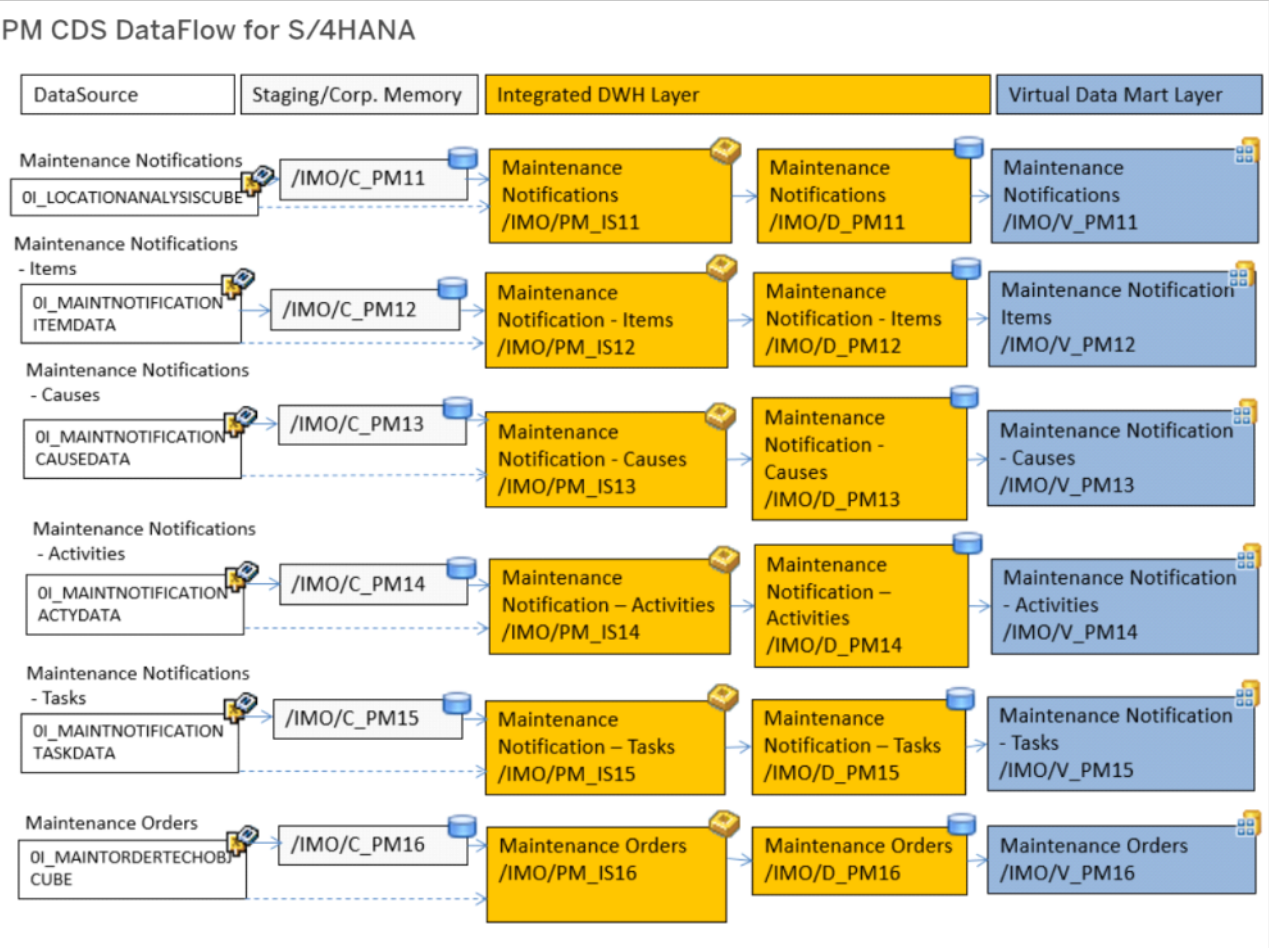


PM (Plant Maintenance CDS View Data Flow)

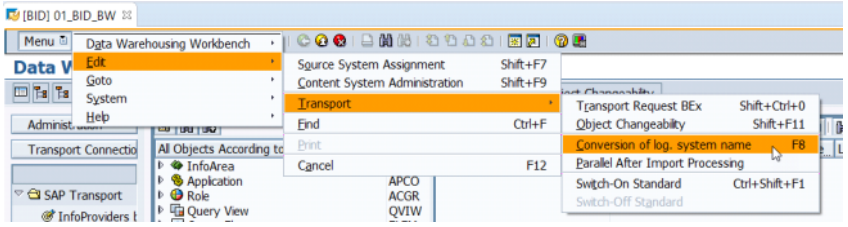
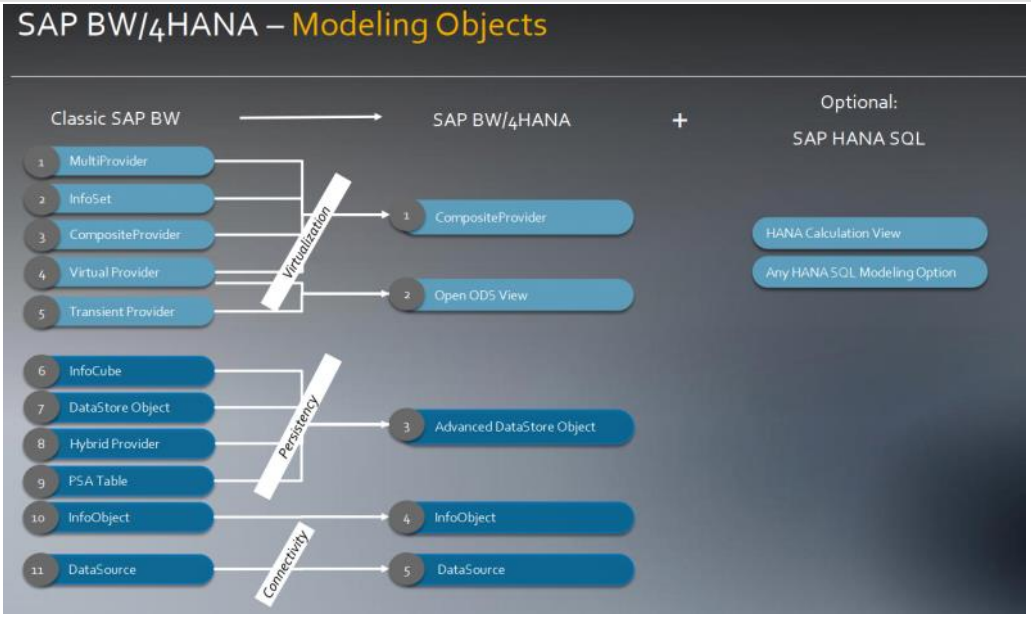
PM LIS Flow



PM CDS View Data Flow



Old vs New objects in B4H

Classic Objects	BW/4HANA Objects
Modeling Artifacts	
InfoCube	ADSO (Advanced DSO) - Datamart (2 tables - Inbound & Active)
Classic DSO	ADSO - Stnd , Staging
RDA	Streaming process chains
Virtual Provider based on DTP	Open ODS View
Virtual Provider based on SAP HANA Model	Open ODS View or Composite Provider
Virtual provider based on FM	BAdi Provider (3B*)
Hybrid Provider	ADSO
Infosets	Composite Provider (HCPR)
MultiProviders	Composite Provider (HCPR)
CompositeProvider (COPR)	Composite Provider (HCPR)
PSA	Replaced by ADSO Inbound table
Infoobjects with master data access via HANA attribute view	Open ODS View of type master data
SPO	Semantic Group comprising ADSOs
Local Composite provider in workspaces (COPR)	Local Composite Provider in workspaces (CPRO)
Technical content Datasources	Replaced by ABAP CDS views based Statistical content (pure Virtual: 2CRV* & 2CRV*Q)
Generic datasources in BW	Replaced by ABAP CDS views based datasources
InfoPackage	DTP
RSA1 - Modeling tab	Eclipse based modeling
Delta Queue (RSA7)	ODQ (Operational Delta Queue) tcode: ODQMON
DTP - Error Stack	Replaced with DTP DTIS (Data transfer Intermediate Storage) maintenance
APD	HAP
CMOD based customer exists (RSR)	BAdi based enhancement spots (RSROA)
DAP (Data Archiving Process)	DTO (Data Tiering Optimization)
RSA1 -> Conversion of logical system	RSA1 -> Transport Connection -> Edit -> Transport -> Conversion of log. System name 
Process chain display component hierarchy	Infoareas
Infoobject Catalog	Infoareas
Pictorial Depiction	
Old Vs New Modeling Objects	
Reporting Artifacts	
Bex Query Designer	BW-MT Query Designer

Bex Analyzer	AO Excel, SAP Analytics Cloud
Bex Web	Lumira Designer, SAP Analytics Cloud
Bex Information Broadcasting	SBOP scheduling
Bex Integrated Planning	BPC 11.0 add-on for BW/4HANA (BPC4HANA) SAP Analytics Cloud
SAP BO Future Direction	
SAP BOBJ (SAP Business Objects)	
Future tool - SAC (SAP Analytics Cloud)	SAC has now replaced Lumira Discovery. To be precise, the feature of 'Stories' in SAC is the replacement. SAC will soon replace Lumira Designer. To be precise, SAC Analytics Designer, along with Digital Boardroom and Planning is the replacement
Still Relevant	
Still Relevant	InfoSources Transformations (HANA runtime + ABAP Runtime) DTP Datasources Export Datasources (8*) OpenHub Destinations Process Chains HAP (APD is obsolete) InfoAreas Analysis Authorizations

LO Cockpit - Intro in B4H

LO Cockpit	Still relevant

LO Data Extraction: Customizing Cockpit

Source data	Structure	DataSource	Update	Update Mode
Logistics applications				
02 : Purchasing			Job Control	Queued Delta
03 : Inventory Controlling			Job Control	Unserialized V3 Upd...
04 : Shop Floor Control			Job Control	Queued Delta
05 : Quality Management			Job Control	Queued Delta
06 : Invoice Verification			Job Control	Direct Delta
08 : Shipment			Job Control	Queued Delta
11 : SD Sales BW			Job Control	Queued Delta
12 : LE Shipping BW			Job Control	Queued Delta
13 : SD Billing BW			Job Control	Queued Delta
17 : Plant Maintenance BW			Job Control	Queued Delta
18 : Customer Service BW			Job Control	Queued Delta
40 : Retailing			Job Control	Queued Delta
43 : BW: Retail POS Data: Cashier			Job Control	Queued Delta
44 : BW: Retail POS Data: Cash Reg. Receipts			Job Control	Queued Delta
45 : Agency Business			Job Control	Queued Delta
46 : 46			Job Control	Queued Delta
47 : Subsequent Settlement			Job Control	Queued Delta
20 : Workflow				

Important Links

B4H Help Portal	https://help.sap.com/viewer/product/SAP_BW4HANA/2.0.5/en-US
SAP Site for Simplification List	https://launchpad.support.sap.com/#/sic/
B4H Simplification List	https://launchpad.support.sap.com/#/notes/2421930