



Transition to S/4HANA – How you can simplify the transition using the PBS archive add ons

Dagmar Fischer, PBS Software GmbH



Agenda

- A few words about SAP S/4HANA
- Why do the PBS archive add ons simplify the transition?
- Current Status and Outlook
- Summary



What is SAP S/4HANA?

SAP Business Suite 4 SAP HANA (SAP S/4HANA) is

“ ..the Business Suite of the next generation [...], that enables companies to simplify their business processes. ”

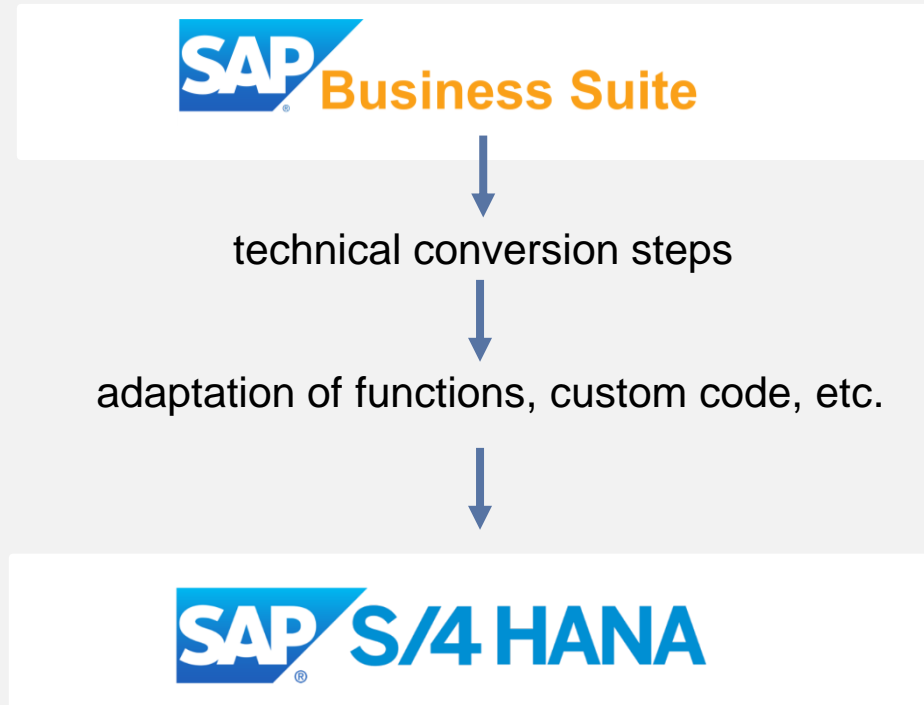
(Source: SAP)

What is different in S/4HANA?

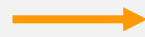
- Reduced complexity (simplification)
- SAP HANA as database platform, integrated application execution
- New UI concept SAP Fiori
- New application scenarios possible

What are the consequences?

No Upgrade → The transition is a system conversion



The most important things first



ADK Files



No migration necessary



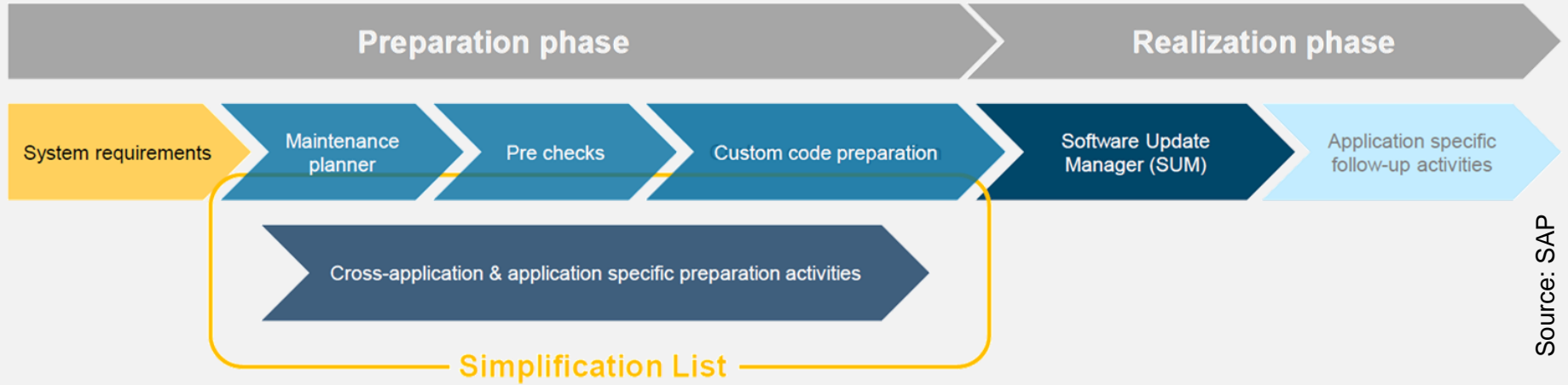
ADK Files



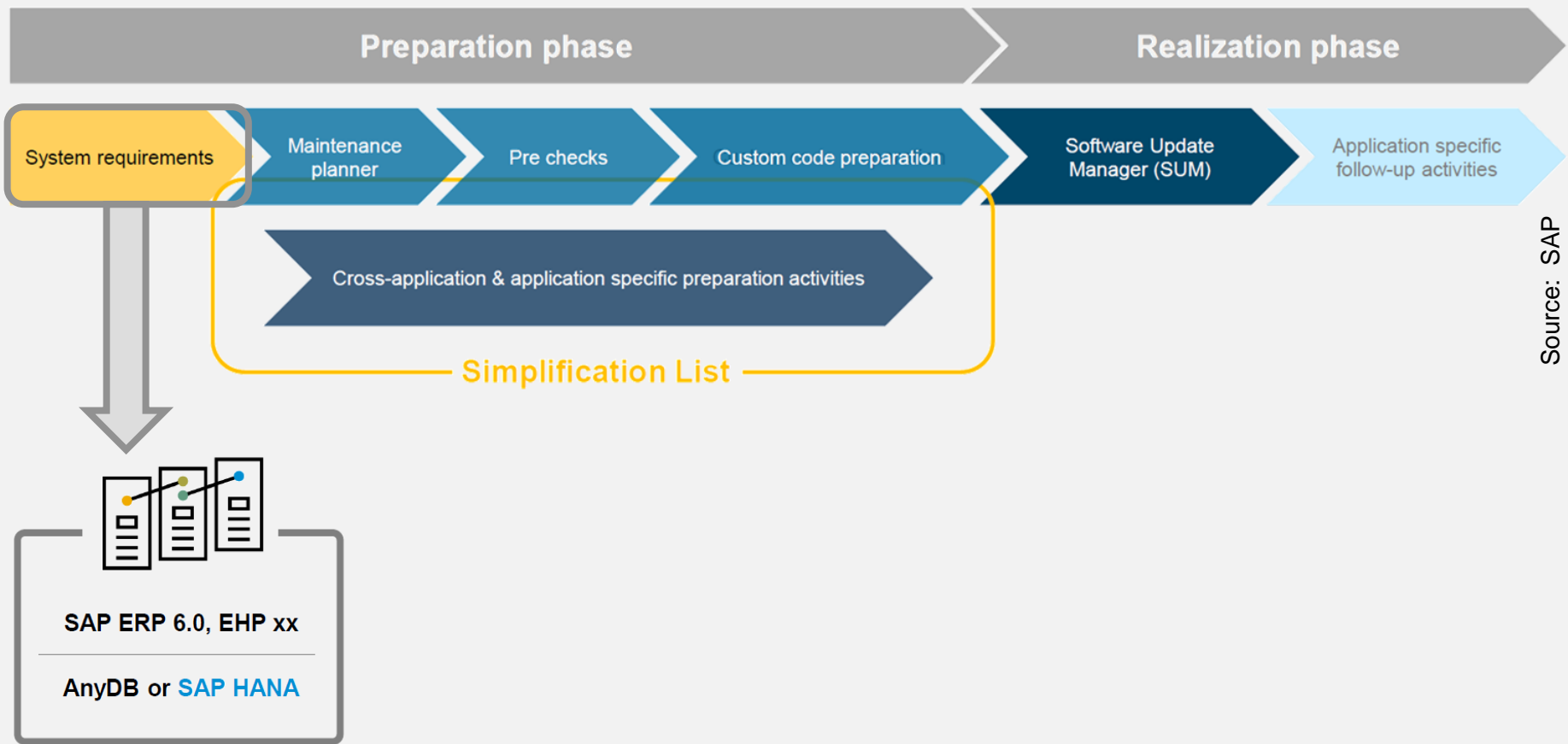
Database Migration



Migration — technical Process Steps

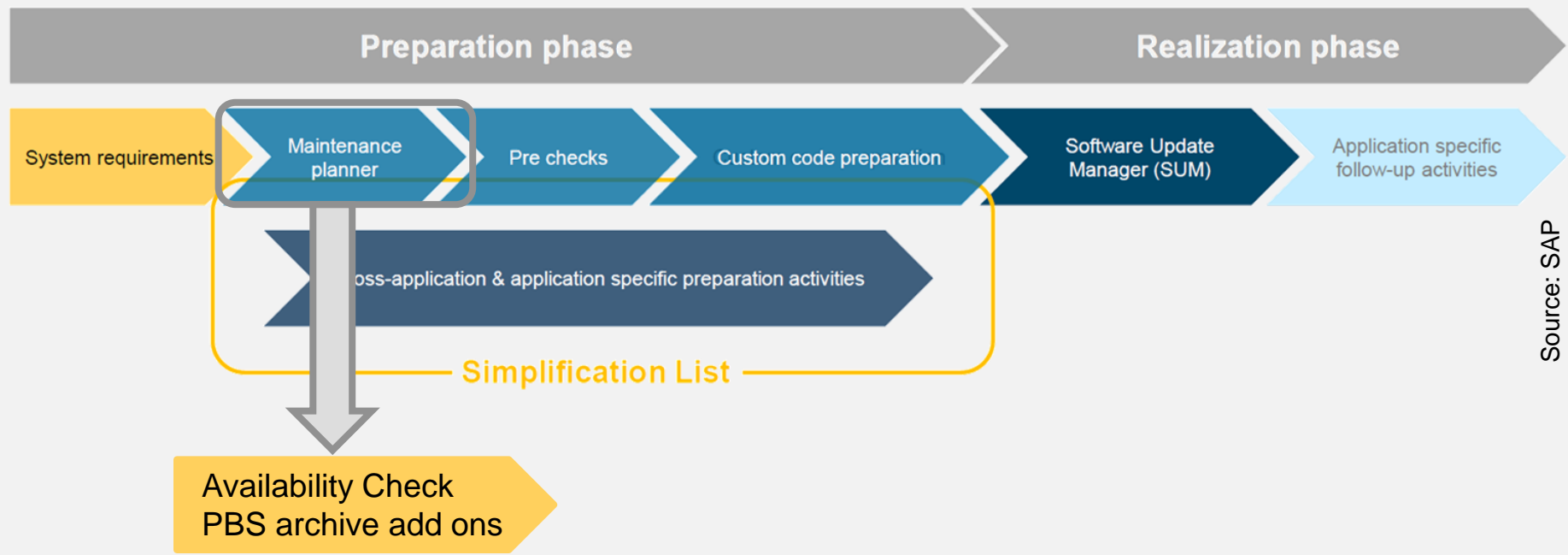


Migration — System Requirements



Source: SAP

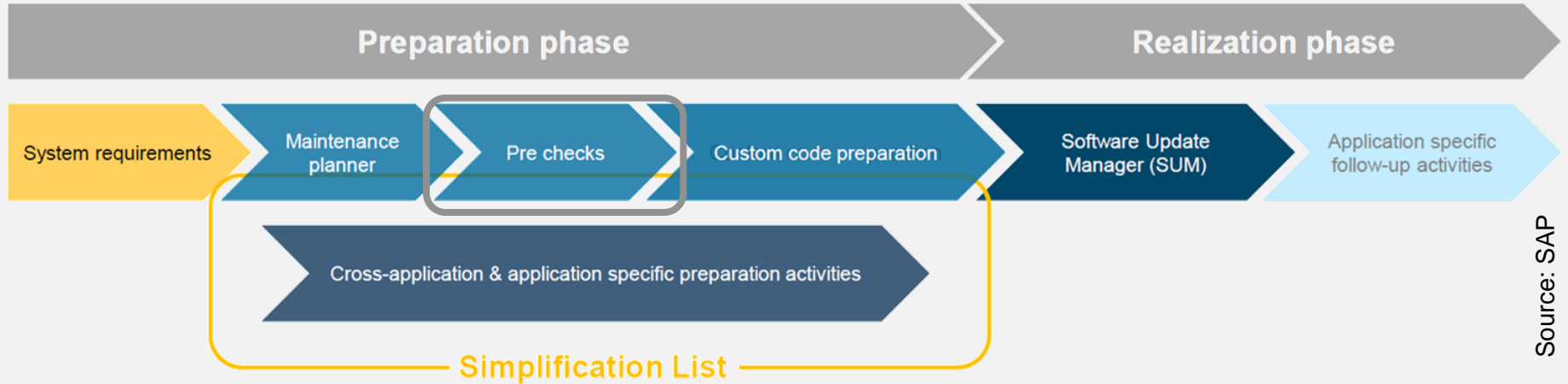
Migration — Preparation Phase



S/4HANA 1610/1709: available PBS Products

PBS archive add on CAB ✓	PBS archive add on CPCA ✓	PBS archive add on CUSTOM ✓
PBS archive add on CCO ✓	PBS archive add on CPCP ✓	PBS archive add on CWM ✓
PBS archive add on CCU ✓	PBS archive add on CPM ✓	PBS archive add on CFICA ✓
PBS archive add on CDART ✓	PBS archive add on CPOS ✓	PBS archive add on CISU ✓
PBS archive add on CDOC ✓	PBS archive add on CPP ✓	PBS archive add on CCU-IS ✓
PBS archive add on CFI ✓	PBS archive add on CPR ✓	Archive Data Conversion ✓
PBS archive add on CHR ✓	PBS archive add on CPS ✓	Archive Data Review ✓
PBS archive add on CML ✓	PBS archive add on CQM ✓	Database Analyzer PLUS ✓
PBS archive add on CMM ✓	PBS archive add on CRW ✓	Nearline Analytic Infrastructure ✓
PBS archive add on CMT ✓	PBS archive add on CSD ✓	SE16/SA38_PERSONAL ✓
PBS archive add on COO ✓	PBS archive add on CSL ✓	

Migration — Preparation Phase



Migration — Simplification List

Business Suite

	SALES					
	Document					
	Header		Item			
Sales Order	VBAK		VBAP	>	VAKPA	VAPMA
Delivery	LIKP		LIPS	>	VLKPA	LKPMA
Billing Document	VBRK		VBRP	>	VRKPA	VRPMA
Status Info	VBUK		VBUP			
Conditions		KONV			VBOX	
Document Flow		VBFA				

Source: SAP

Migration — Simplification List

	SALES					
	Document					
	Header		Item			
Sales Order	VBAK		VBAP			
Delivery	LIKP		KIPS			
Billing Document	VBRK		VBRP			
Status Info						
Conditions		PRCD_Elements (new)				
Document Flow		VBFA (Simplified)				

S/4HANA

Source: SAP

Migration — Simplification List

Domain: MATNR Active

Short Description: Material number (field C18)

Properties | Definition | Value Range

Format

Data Type	CHAR	Character String
No. Characters	18	
Decimal Places	0	

Business Suite

Domain: MATNR Active

Short Description: Material Number (40-Character Field)

Properties | Definition | Value Range

Format

Data Type	CHAR	Character String
No. Characters	40	
Decimal Places	0	

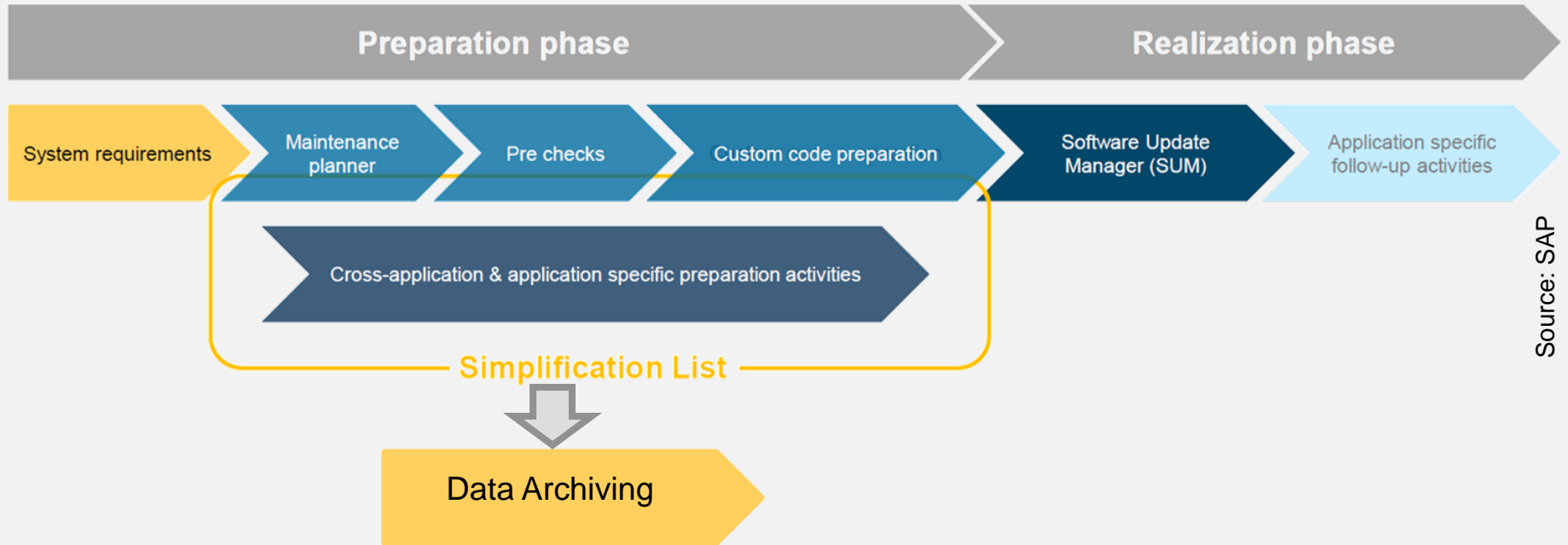
S/4HANA

Migration — Preparation Phase

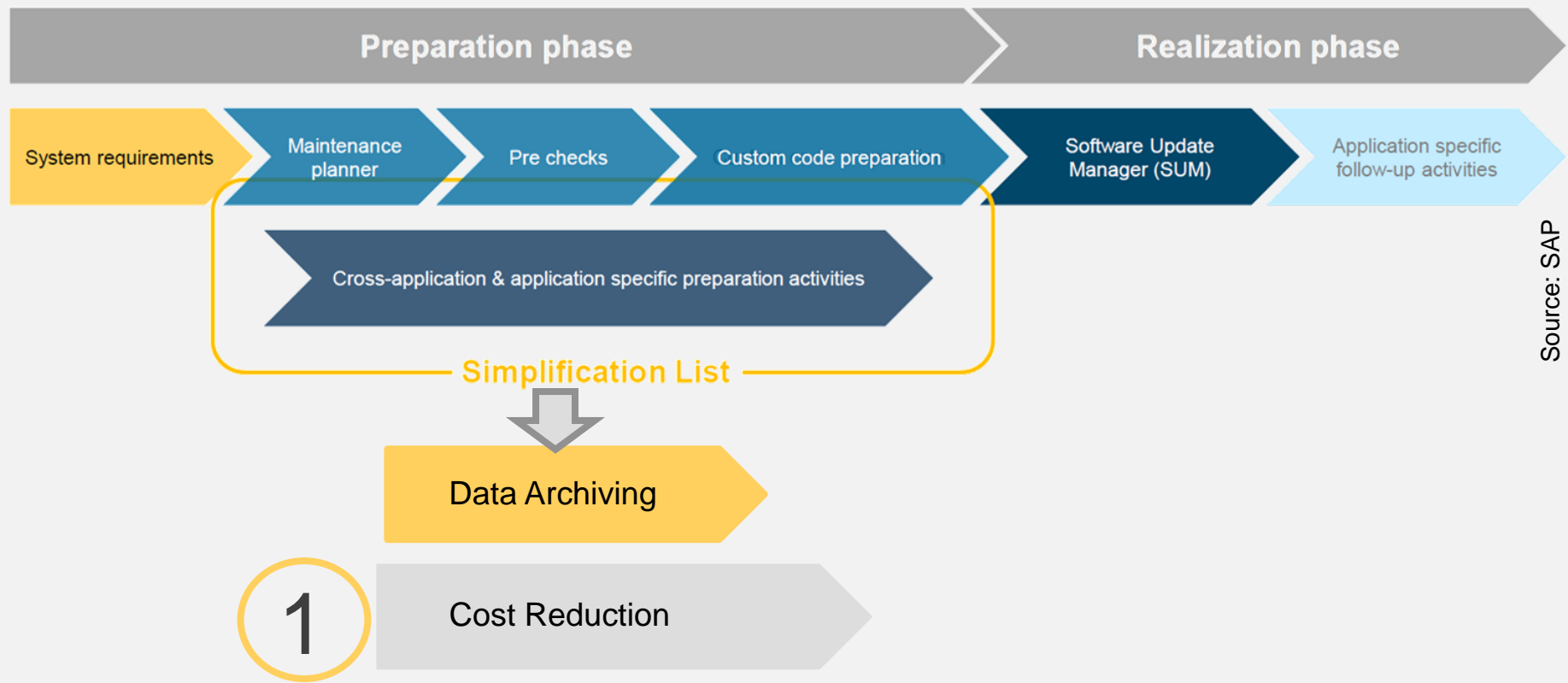


Source: SAP

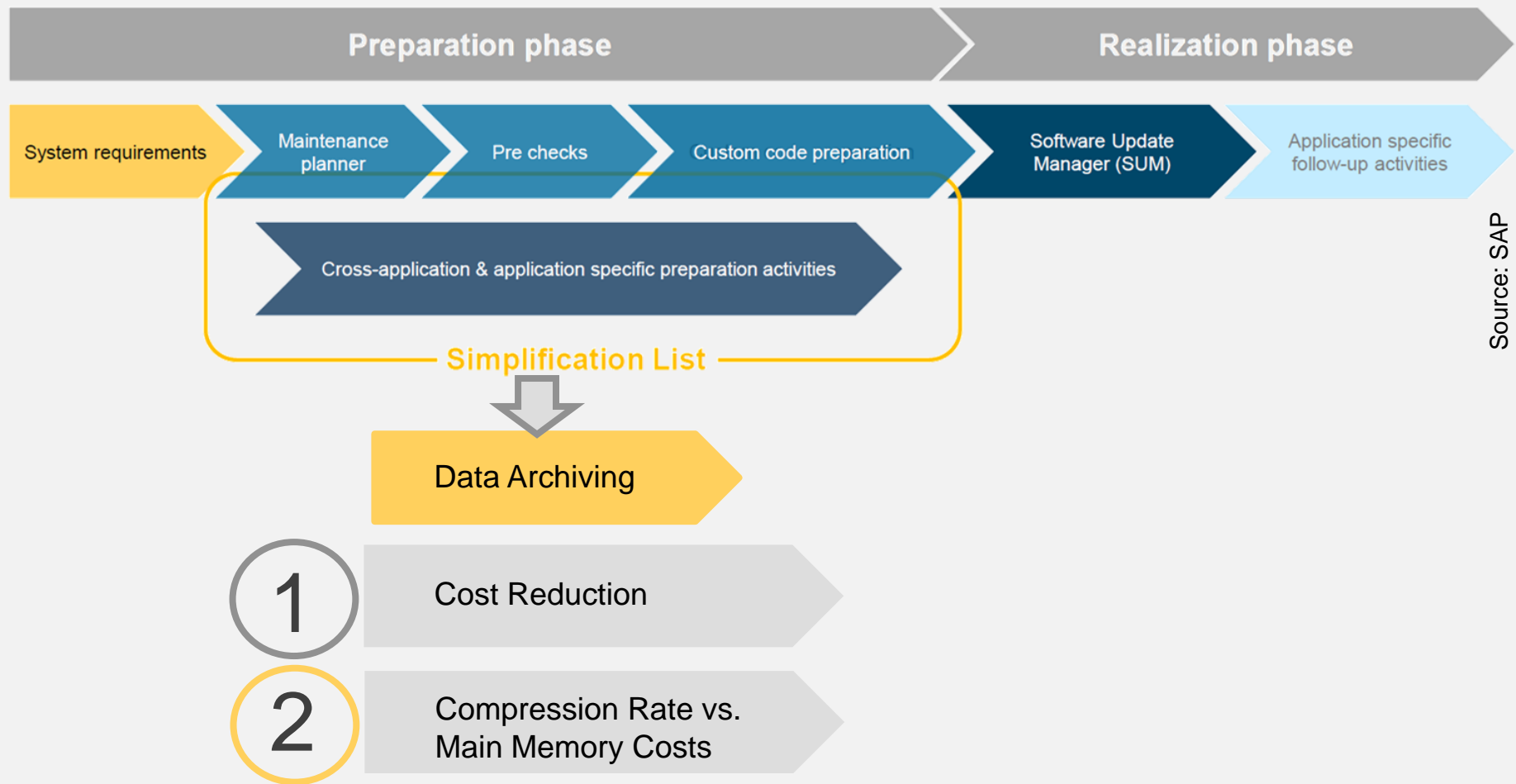
Migration — Preparation Phase



Migration — Data Archiving

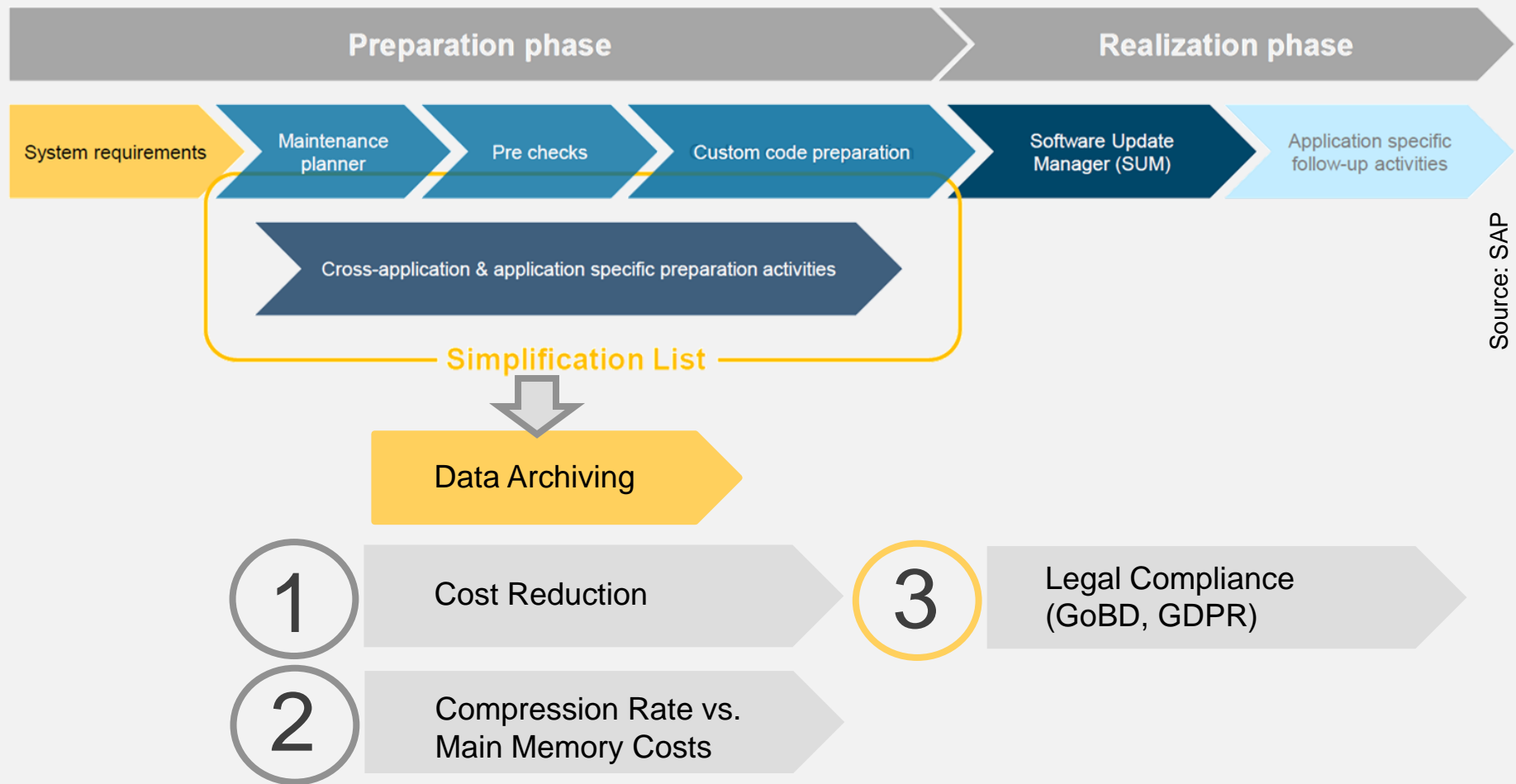


Migration — Data Archiving

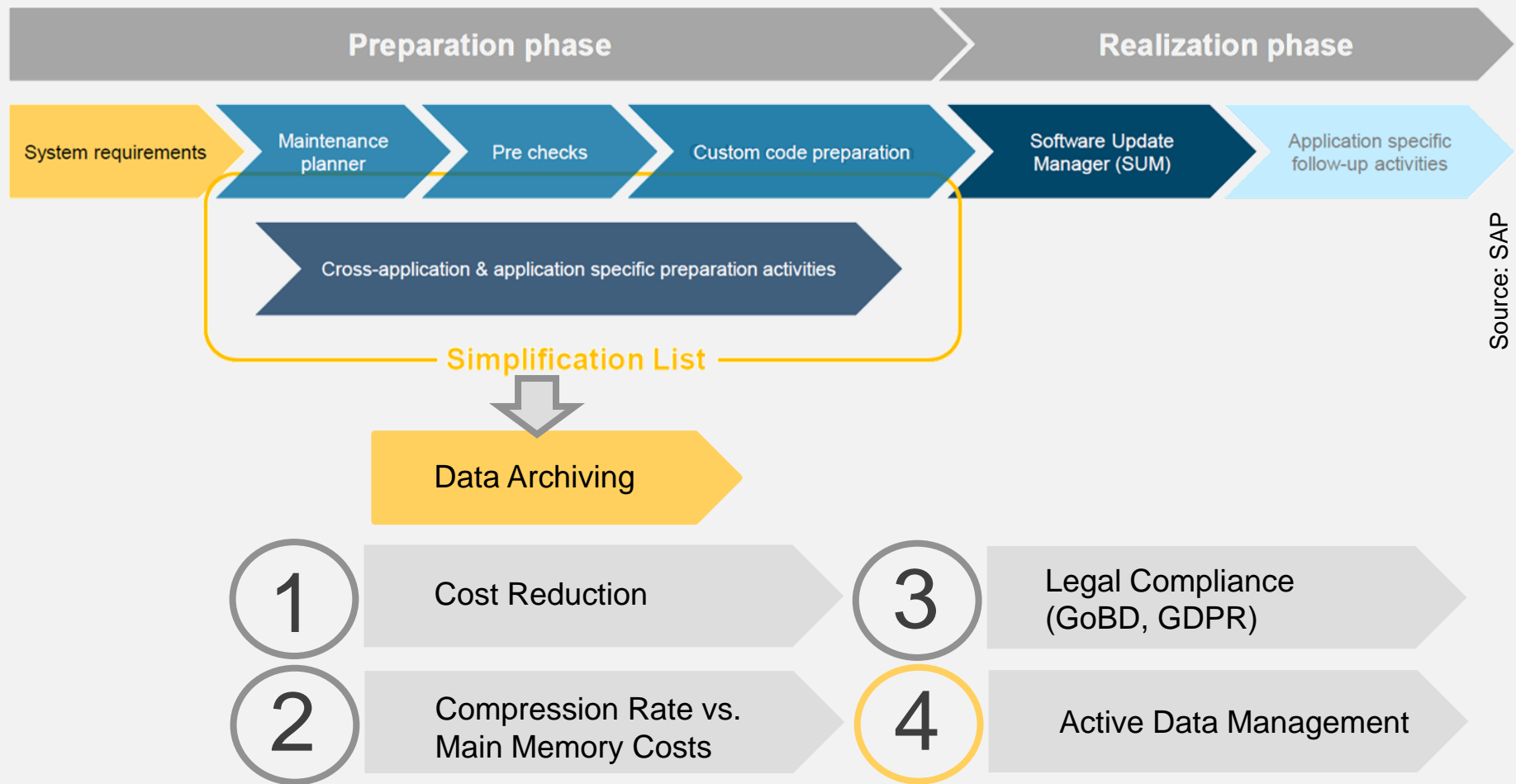


Source: SAP

Migration — Data Archiving



Migration — Data Archiving

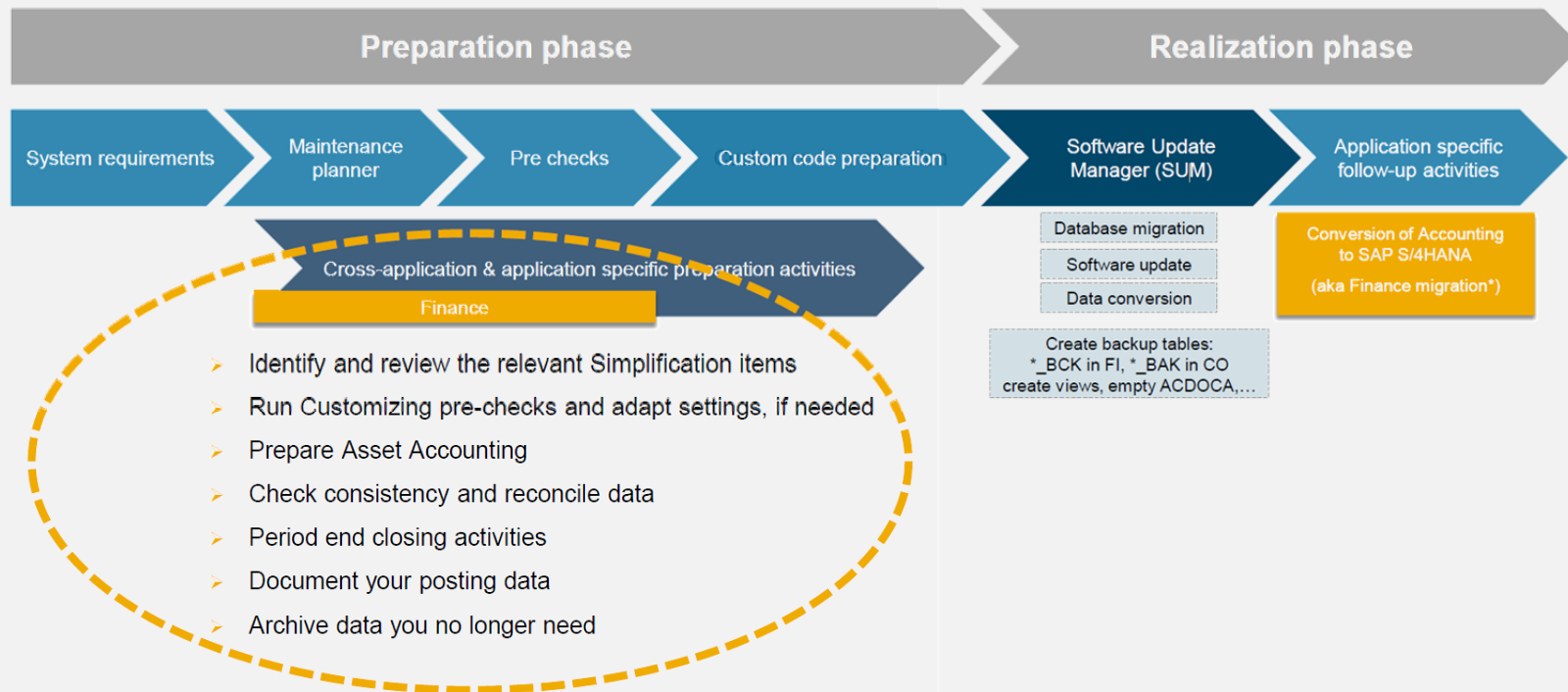


Source: SAP

SAP recommends Data Archiving

SAP S/4HANA system conversion – FI preparation tasks

Overview preparation tasks in Finance



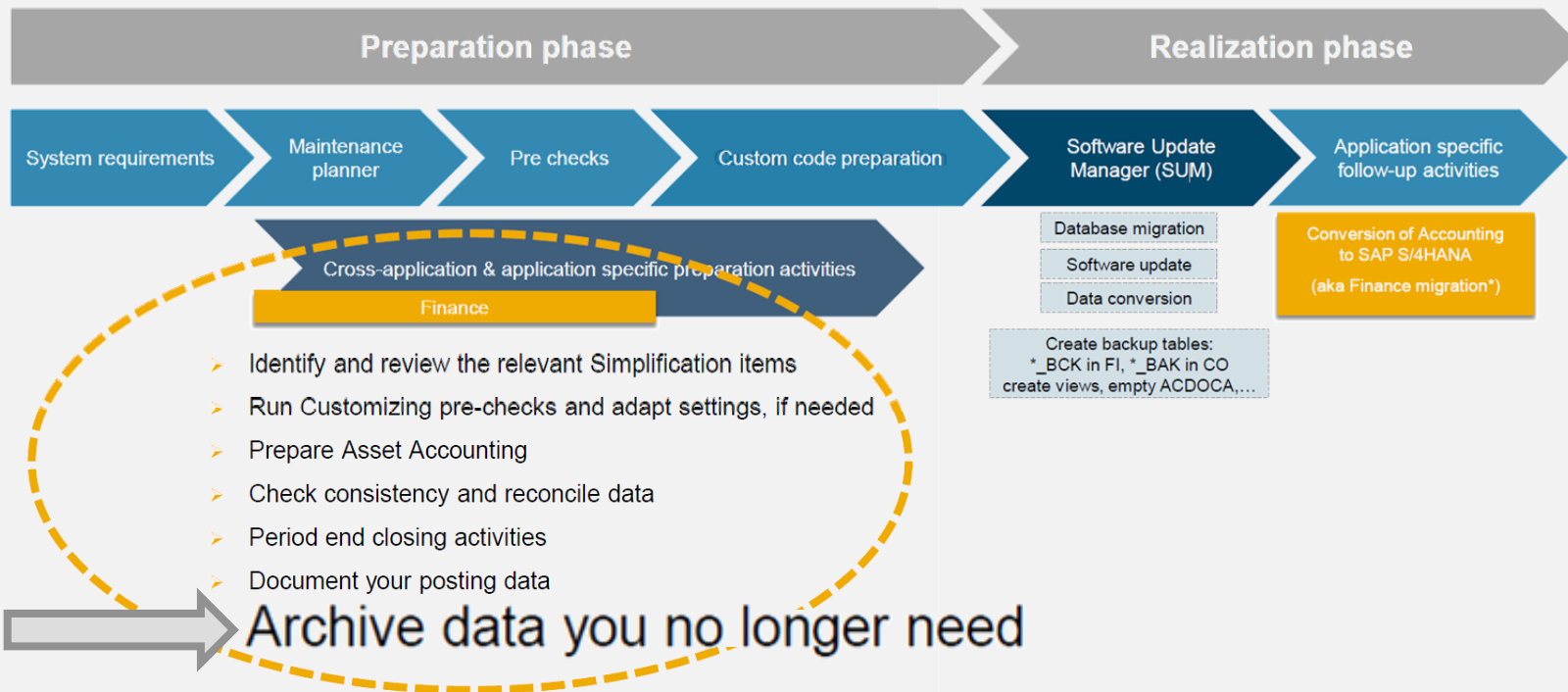
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Source: SAP

SAP recommends Data Archiving

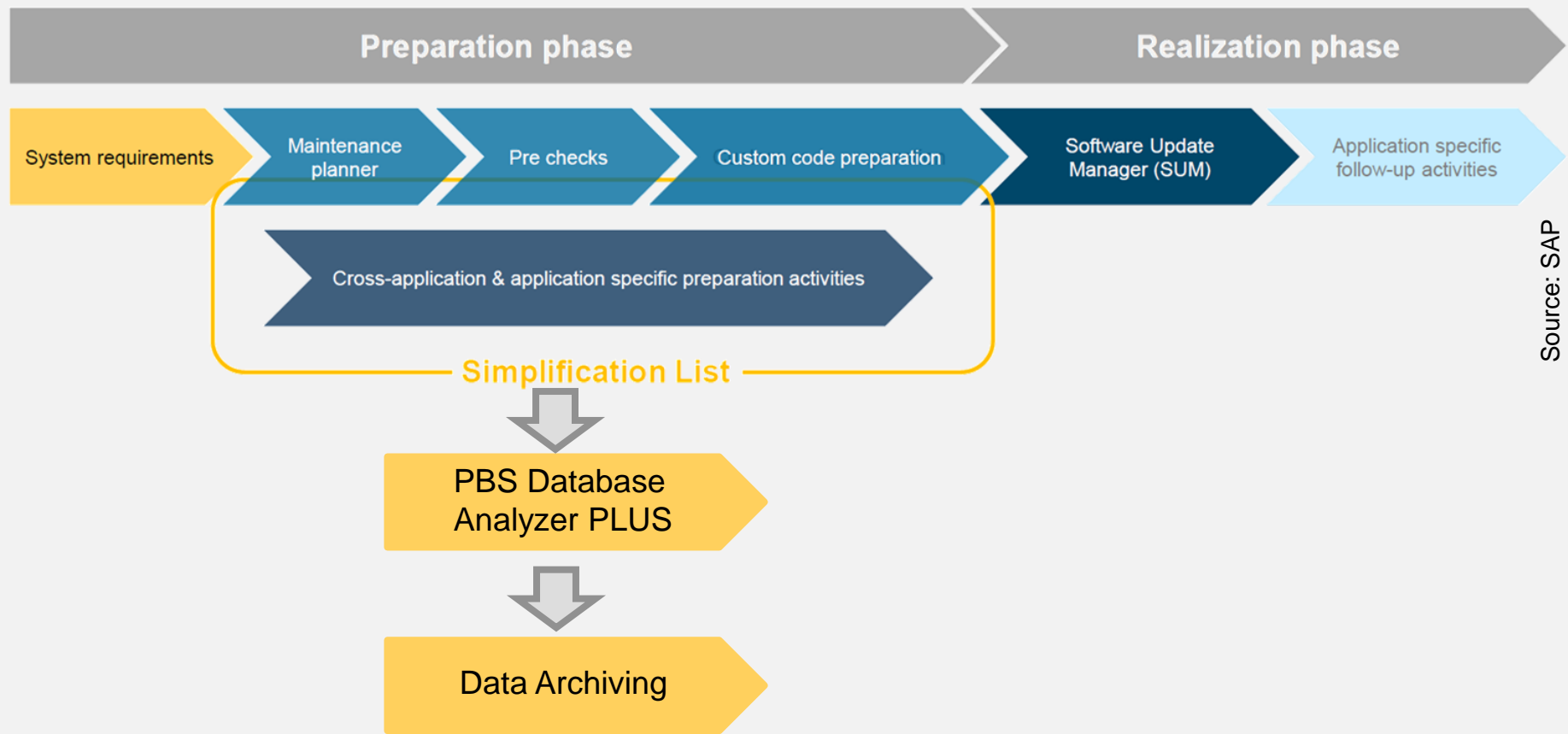
SAP S/4HANA system conversion – FI preparation tasks

Overview preparation tasks in Finance

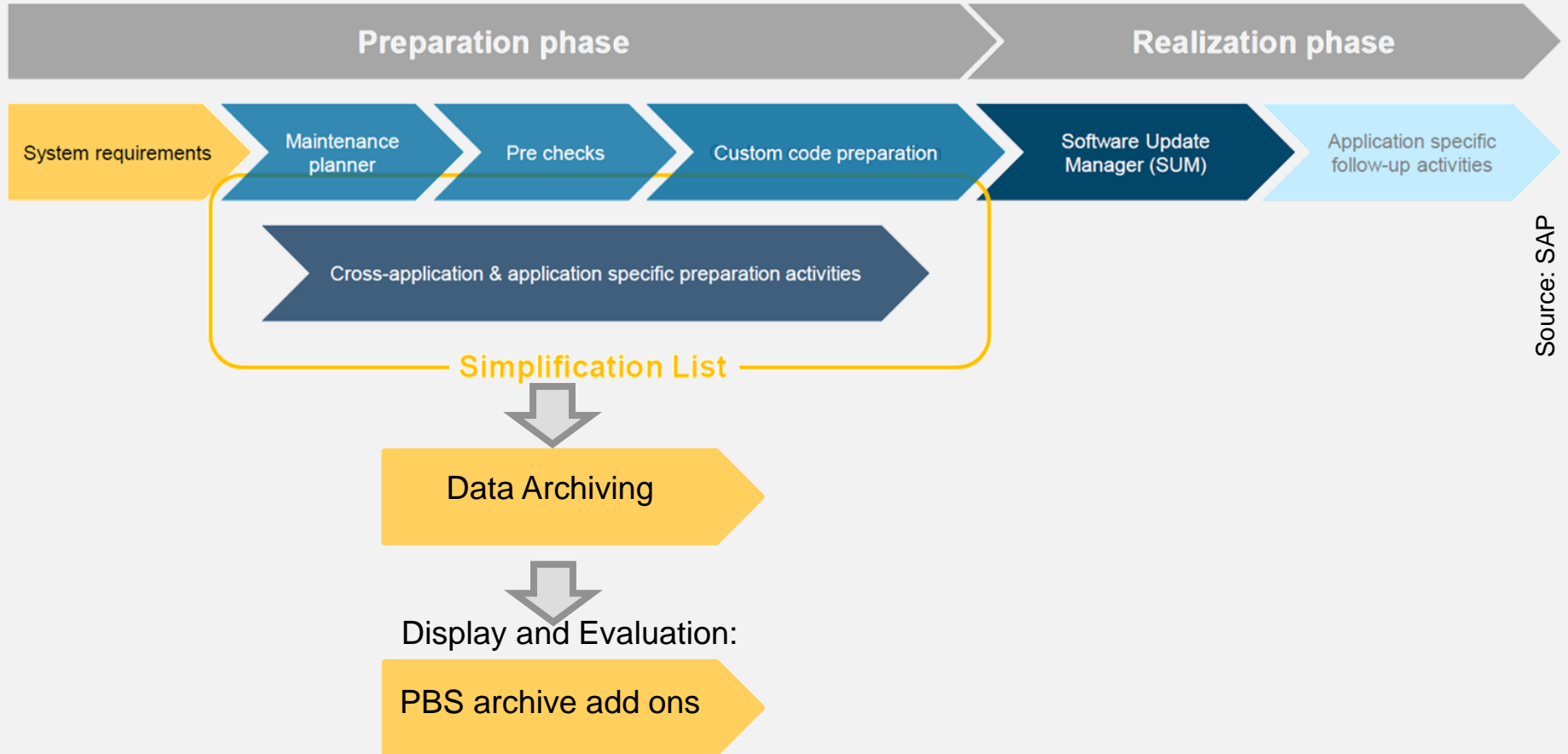


Source: SAP

Migration — PBS archive add ons



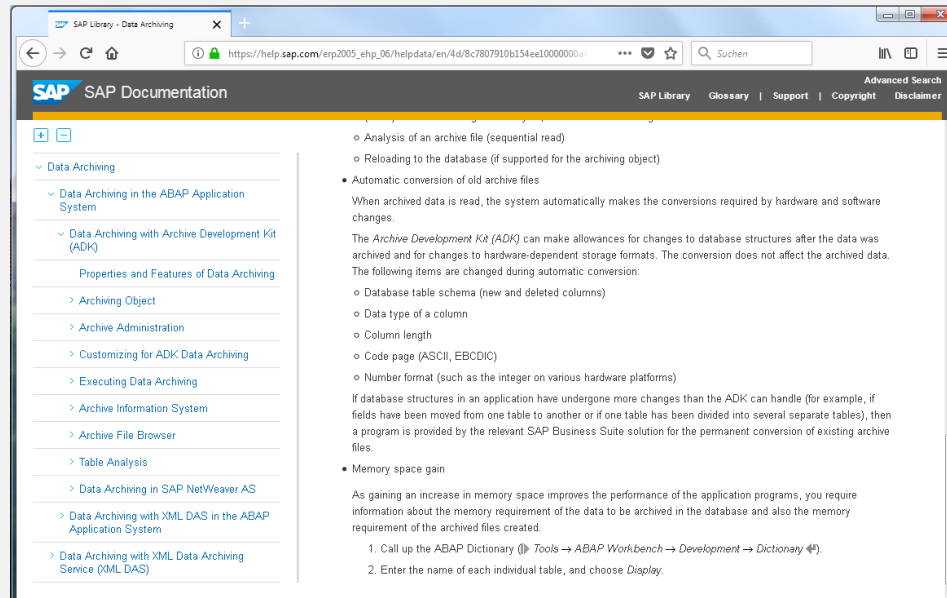
Migration — PBS archive add ons



Readability of Archive Files

Archived documents from previous releases can be displayed and evaluated in S/4HANA:

https://help.sap.com/erp2005_ehp_06/helpdata/en/4d/8c7807910b154ee1000000a42189e/frameset.htm



Readability of Archive Files

SAP System data	
Product Version	SAP S/4HANA 1610

System: Status

Component	Release	SP-Level	Support Package	Short Description of Component
SAP_BASIS	751	0006	SAPK-75106INSAPBASIS	SAP Basis Component
SAP_ABA	75B	0006	SAPK-75B06INSAPABA	Cross-Application Component
SAP_GWFND	751	0006	SAPK-75106INSAPGWFND	SAP Gateway Foundation 7.40
SAP_UI	751	0006	SAPK-75106INSAPUI	User Interface Technology 7.40
ST-PI	740	0008	SAPK-74008INSTPI	SAP Solution Tools Plug-In
SAP_BW	751	0006	SAPK-75106INSAPBW	SAP Business Warehouse
MDG_FND	801	0004	SAPK-80104INMDGFND	MDG Foundation
WEBCUIF	801	0004	SAPK-80104INWEBCUIF	SAP Web UI Framework
MDG_APPL	801	0004	SAPK-80104INMDGAPPL	MDG Applications
MDG_UX	801	0004	SAPK-80104INMDGUX	MDG Additional User Interface
S4CORE	101	0004	SAPK-10104INS4CORE	S4CORE

Readability of Archive Files

SAP System data	
Product Version	SAP S/4HANA 1610

System: Status

Component	Release	SP-Level	Support Package	Short Description of Component
SAP_BASIS	751	0006	SAPK-75106INSAPBASIS	SAP Basis Component
SAP_ABA	75B	0006	SAPK-75B06INSAPABA	Cross-Application Component
SAP_GWFND	751	0006	SAPK-75106	
SAP_UI	751	0006	SAPK-75106	
ST-PI	740	0008	SAPK-74008	
SAP_BW	751	0006	SAPK-75106	
MDG_FND	801	0004	SAPK-80104	
WEBCUIF	801	0004	SAPK-80104	
MDG_APPL	801	0004	SAPK-80104	
MDG_UX	801	0004	SAPK-80104	
S4CORE	101	0004	SAPK-10104	

Documentation | Data Object | Table | Hex Display | Search | Archive File

Header Data

Archiving Session	83	Creation Date	02.02.2017
Key for Archive File	000024-001SD_VBAK	Creation Release	740
Archiving Object	SD_VBAK	Creation System	1116
Code Page	4103	ADK Version	610
Number format	101		

Tables

Generate Statistics

Table Name
VBPA
VBPA2
VBPA3
VBCN
VBUK
VBUP
VBUV
VEDA

Archive File Browser
(Transaction AS_AFB)

Readability of Archive Files

Archive File: 000083-001SD_VBAK
 Data Object: 1 From: 171 Offset: 93.924

Archive File Browser
 (Transaction AS_AFB)

Documentation | Data Object | **Table** | Hex Display | Search | Archive File

Table Name: VBUK

SD Document	R	T...	C	DS	DS	G	B	B	P	Rj	Overall Status	O	W	lt	ID	IB	IH	HID	HBD	Pr	Document Cat.	Document object
5430				C	C					A	C				C	C	C	C	C	C	C	A

Readability of Archive Files

Archive File: 000083-001SD_VBAK
 Data Object: 1 From: 171 Offset: 93.924

Documentation | Data Object | **Table** | Hex Display | Search | Archive File

Table Name: VBUK

SD Document	R	C	DS	DS	G	B	B	Rj	Overall Status	O	W	lt	ID	IB	IH	HID	HBD	Pr	Document Cat.	Document object
5430		C	C						A C				C	C	C	C	C	C	C	A

Archive File Browser
(Transaction AS_AFB)

Display Standard Order 5430: Header Data

Standard Order: 5430 Customer Reference: DG-19980508-4 Arch: *
 Sold-to party: 2200 HTG Komponente GmbH / Wernerstrasse 42 / D-30519 Hannover

Sales | Shipping | Billing Document | Accounting | Conditions | Account assignment | Partners | Texts | Order Data | Status

Processing Status

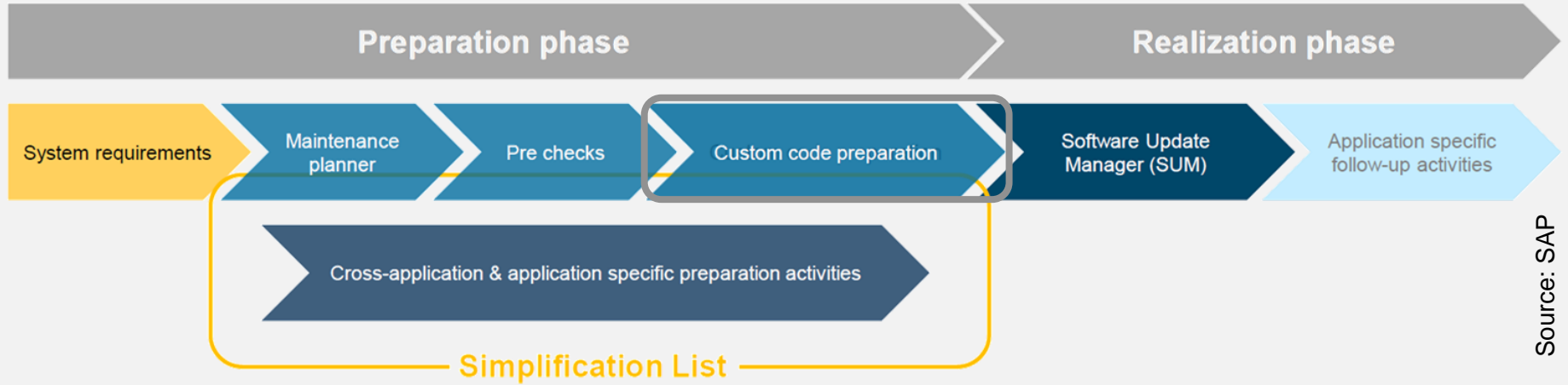
Overall Status	Completed
Rejection Status	Nothing rejected
Delivery Status	Fully delivered
OverallCredStat	Not performed
Overall Blkd Status	Not blocked

Completeness

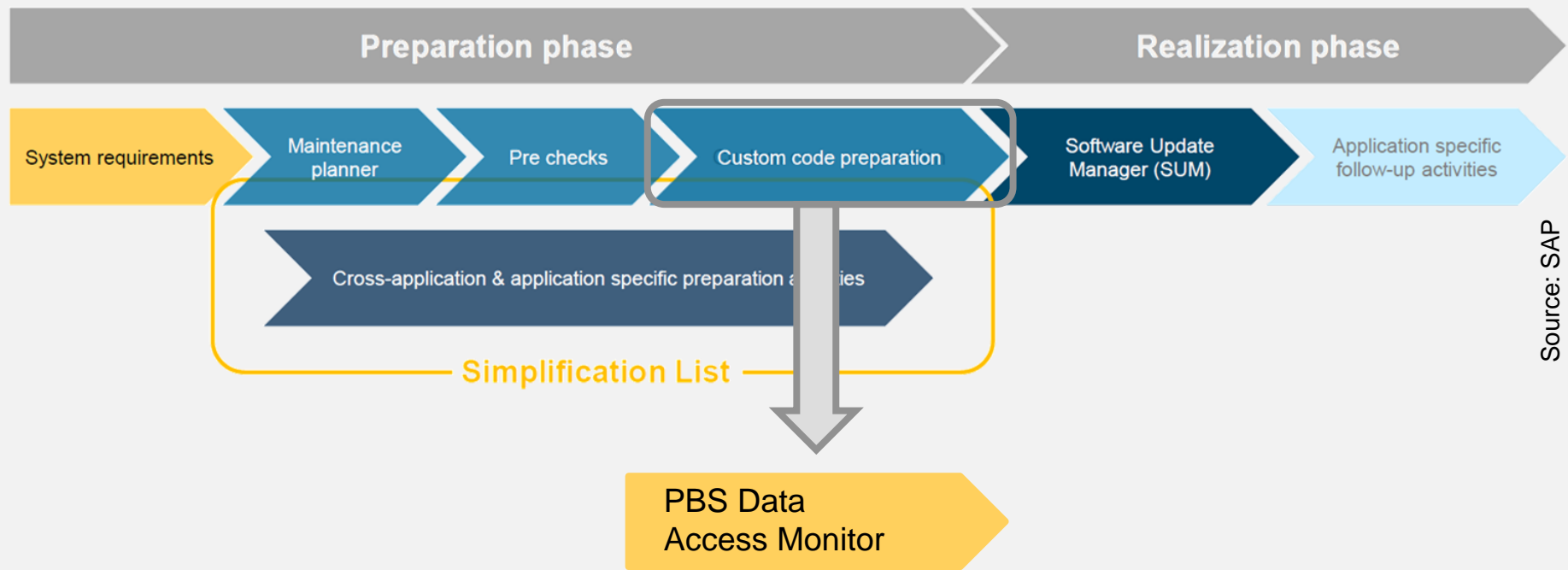
Header Data	Complete	Item Data	All items complete
Header Div.Data	Complete	Item Deliv.Data	All items complete
Header Bill.Dat	Complete	Item Bill.Data	All items complete

Transaction
/PBS/VA03

Migration — Customer Coding



Migration — Customer Coding



What, when, how much, how often?

PBS Data Access Monitor:

Automated collection of statistical information on tables, transactions, reports, storage and archive access

- Aggregation on a daily, weekly, monthly and annual basis
- Free definition of retention periods for statistical data
- Top or bottom 10 display
- User-specific evaluation if there is a special authorization (SAP authorization object)

PBS Data Access Monitor

Statistics display Goto System Help

PBS Data Access Monitor

Customizing Collector & Storage

type-related

- Overview
- Transaction statistics
 - Overview
 - User-specific
 - Uncalled Y/Z objects
- Report statistics
 - Overview
 - User-specific
 - Uncalled Y/Z objects
- Table access statistics
 - Overview
- Day
 - 26.06.2018 Tu
 - 27.06.2018 We
 - 28.06.2018 Th
 - 29.06.2018 Fr
 - 02.07.2018 Mo
- Week
 - 11.06. - 17.06.2018
 - 18.06. - 24.06.2018
 - 25.06. - 01.07.2018
 - 02.07. - 08.07.2018
- Month
 - June 2018
 - July 2018
- Year
 - 2017
 - 2018

Transaction statistics - Top 10

Stat. object	#Accesses	Short description
SEU_INT	7.177	Object Browser
/PBS/FTW1A	5.471	Extract data
SE38	4.531	ABAP Editor
SE01	3.393	Transport Organizer (Extended)
SE80	3.002	Object Navigator
/PBS/RECON	870	
SE16	712	Data Browser
SE39	628	ABAP Split Screen Editor
SE24	604	ABAP Class Builder
/PBS/NAI_AS_STATUS	527	NAI-AS: Status Management

Report statistics - Top 10

Stat. object	#Dialog	#Batch	Short description
LOQBATCH	0	38.661	SAP ArchiveLink Backgro
/UIS/APP_INDEX_CALCULATE	0	12.886	Calculation of SAPUI5 App
/PBS/CONEX2_EXTRAKT	436	6.791	Report /PBS/CONEX_NN
RTM_COLLECT_ALL	0	3.266	Collect RTM Data
/PBS/DAM_COLLECT	0	3.153	PBS DAM: Collector Job fc
WB_MNGR_START_FROM_TOOL_ACCESS	1.910	0	Program WB_MNGR_STA
RSTPDAMAIN	1.836	0	Debugger
SAPMSEU0	1.779	0	Repository Browser
RDDM0001	981	0	

Table access statistics - Top 10

Stat. object	Transaction code	Program Name	#Read
ENHOBJCONTRACT	SE38	RSM13000	81
SUN_CACHE_01	SE01	RFC	395
SUN_CACHE_01	SE01	RDDM0001	178
SCR_ABAP_AST	SEU_INT	RFC	712
ENH-HEADER	SE38	RSABAPPROGRAM	7.174
/PBS/CONEX2_STA2	/PBS/CONEX2_B	SAPMS380	53.311.928
SCIREST_PS	SE01	RDDM0001	95.424
SCIREST_STR	SE01	RDDM0001	7.025
...

Archiving run statistics - Top 10

Session Arch. Object	Number	Size	Short description
001552 /PBS/CPCA	350	5 MB	PBS archive add on CPCA - Profit Center
001580 /PBS/CPCA	334	5 MB	PBS archive add on CPCA - Profit Center
001568 /PBS/CPCA	324	4 MB	PBS archive add on CPCA - Profit Center
001565 /PBS/CPCA	314	4 MB	PBS archive add on CPCA - Profit Center
001559 /PBS/CPCA	298	4 MB	PBS archive add on CPCA - Profit Center
001557 /PBS/CPCA	290	4 MB	PBS archive add on CPCA - Profit Center
001548 /PBS/CPCA	290	4 MB	PBS archive add on CPCA - Profit Center
001562 /PBS/CPCA	290	4 MB	PBS archive add on CPCA - Profit Center
001547 /PBS/CPCA	289	4 MB	PBS archive add on CPCA - Profit Center
001556 /PBS/CPCA	289	4 MB	PBS archive add on CPCA - Profit Center

Archive access statistics - Top 10

Session Arch. Object	Transaction code	Calling Program	#Read	#Write	Shi
001499 ZZRK_LTAk2	/PBS/IDK	ZZRK_LTAk2_FILE1	24.078	0	
001203 /PBS/CFIF	/PBS/CFI_Y81N	/PBS/CFIFMERGE	434	0	Arc
001552 /PBS/CPCA	/PBS/CPK06	/PBS/CPCA_MIN_OBJ_ID	350	0	PB
001552 /PBS/CPCA	/PBS/CPK06	/PBS/CPCA_FIL1	350	0	PB
001568 /PBS/CPCA	/PBS/CPK06	/PBS/CPCA_MIN_OBJ_ID	324	0	PB
001568 /PBS/CPCA	/PBS/CPK06	/PBS/CPCA_FIL1	324	0	PB
000997 CO_ITEM	/PBS/NAI_AS_STATUS	/PBS/NAI_AS_STATUS	315	0	CC
001565 /PBS/CPCA	/PBS/CPK06	/PBS/CPCA_MIN_OBJ_ID	314	0	PB
001565 /PBS/CPCA	/PBS/CPK06	/PBS/CPCA_FIL1	314	0	PB
001559 /PBS/CPCA	/PBS/CPK001	/PBS/CPCA_REQ	0	298	PB

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PBS Data Access Monitor

Statistics display Goto System Help

PBS Data Access Monitor

Customizing Collector & Storage

type-related

- Overview
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 - Uncalled Y/Z objects
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 - Uncalled Y/Z objects
 - Table access statistics
 - Overview
 - User-specific
 - Uncalled Y/Z objects
 - Archiving run statistics
 - Overview
 - User-specific
 - Archive access statistics
 - Overview
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 - 18.06. - 24.06.2018
 - 25.06. - 01.07.2018
 - 02.07. - 08.07.2018
- Month
 - June 2018
 - July 2018
- Year
 - 2017
 - 2018

Daily aggregates

Period:

Daily aggregates - Uncalled Y/Z objects

Stat. object	Short description
ZOF01	
Z1SIP	
ZDEV01	
ZFH_TEST	
ZGR_OOD1	
ZWS_001	
ZZ01	
ZZFBL3N	
ZZKE24	Line Item Display - Actual Data
ZZMIGO	Goods Movement
ZZRK_TEST	

Weekly aggregates

Period:

Weekly aggregates - Uncalled Y/Z objects

Stat. object	Short description
ZOF01	
Z1SIP	
ZDEV01	
ZFH_TEST	
ZGR_OOD1	
ZWS_001	
ZZ01	
ZZFBL3N	
ZZKE24	Line Item Display - Actual Data
ZZMIGO	Goods Movement
ZZRK_TEST	

Monthly aggregates

Period:

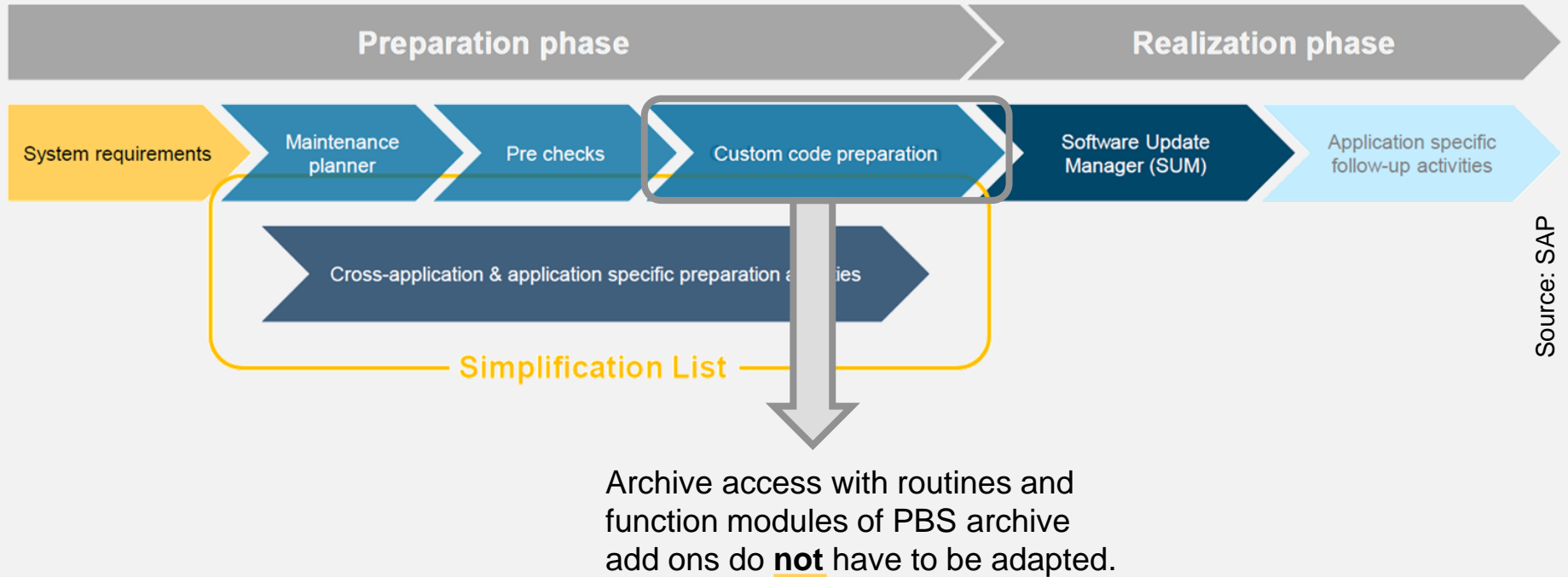
Monthly aggregates - Uncalled Y/Z objects

Stat. object	Short description
ZOF01	
Z1SIP	

SAP

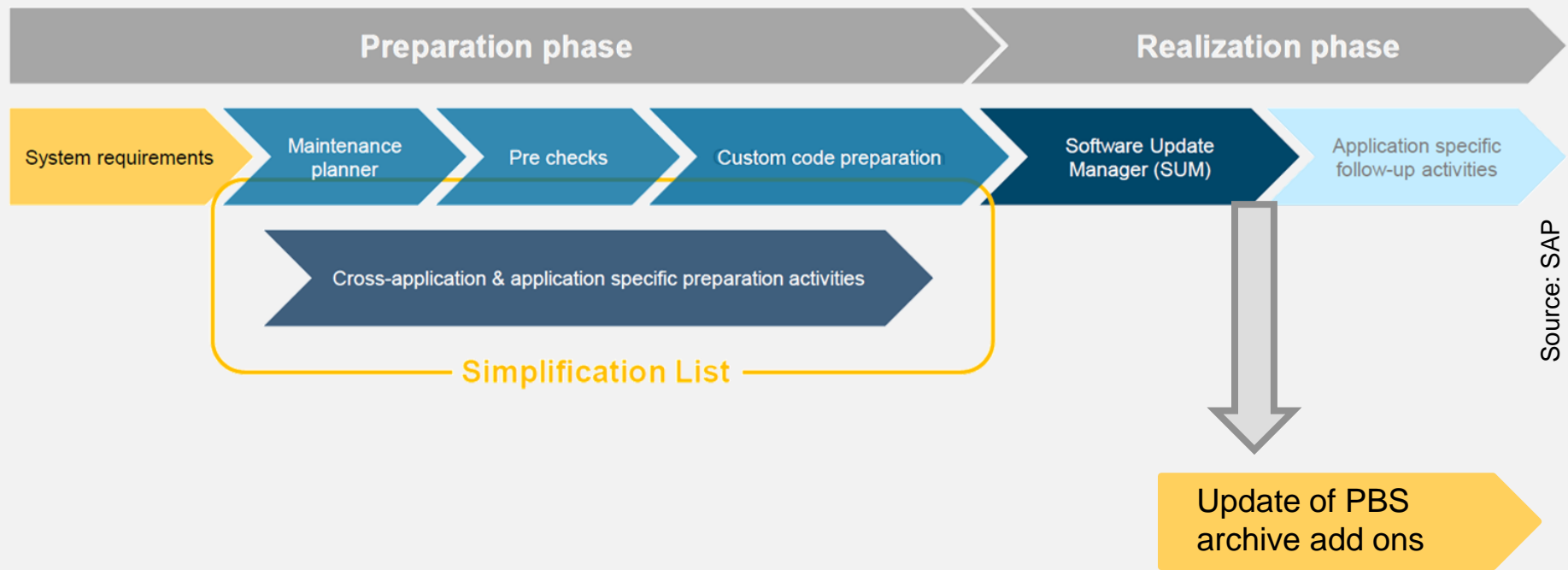
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Migration — Customer Coding



Source: SAP

Migration — Installation PBS archive add ons



Installation of the PBS archive add ons



Contact with PBS



Installation Attribute Change Packages (ACP)



Implementation of Migration



New Installation of PBS archive add ons

Installation of the PBS archive add ons



Contact with PBS



Installation Attribute Change Packages (ACP)



Implementation of Migration



New Installation of PBS archive add ons

Installation of the PBS archive add ons



Contact with PBS



Installation Attribute Change Packages (ACP)



Implementation of Migration



New Installation of PBS archive add ons

Installation of the PBS archive add ons



Contact with PBS



Installation Attribute Change Packages (ACP)



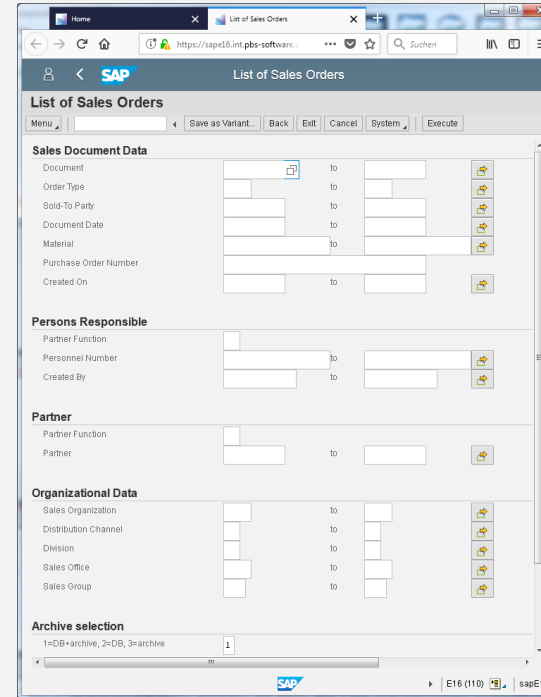
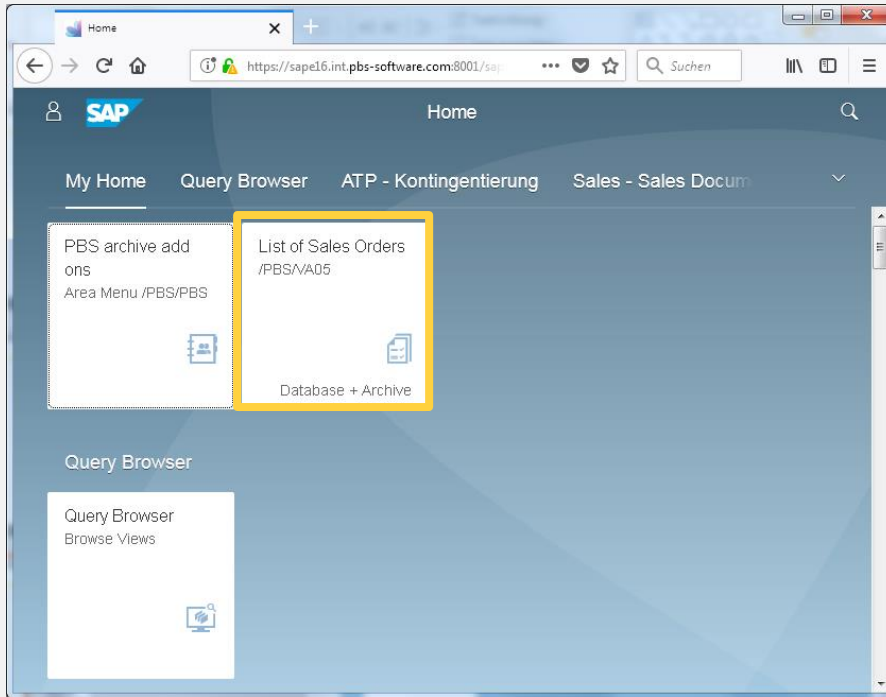
Implementation of Migration



New Installation of PBS archive add ons

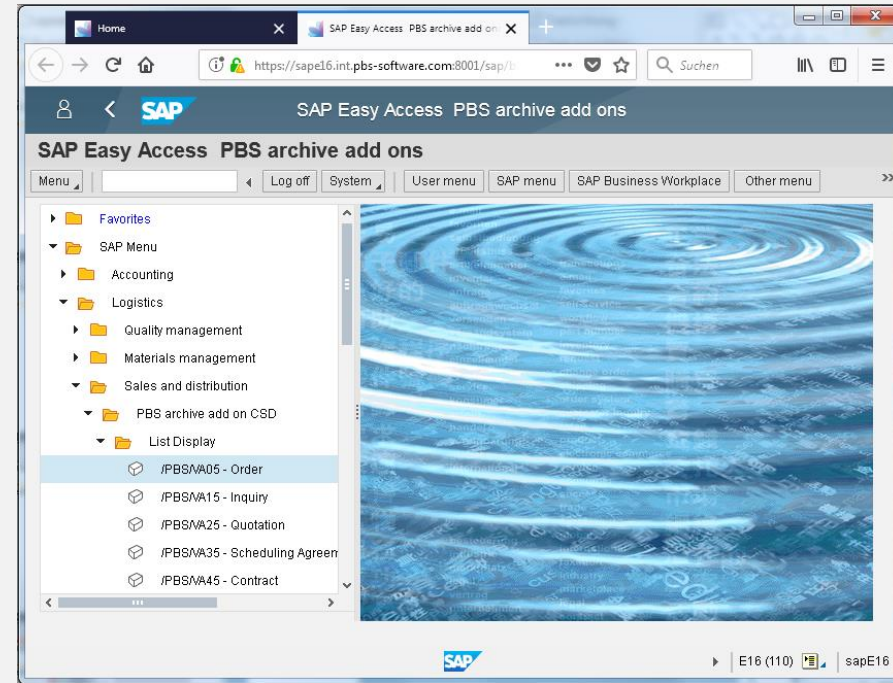
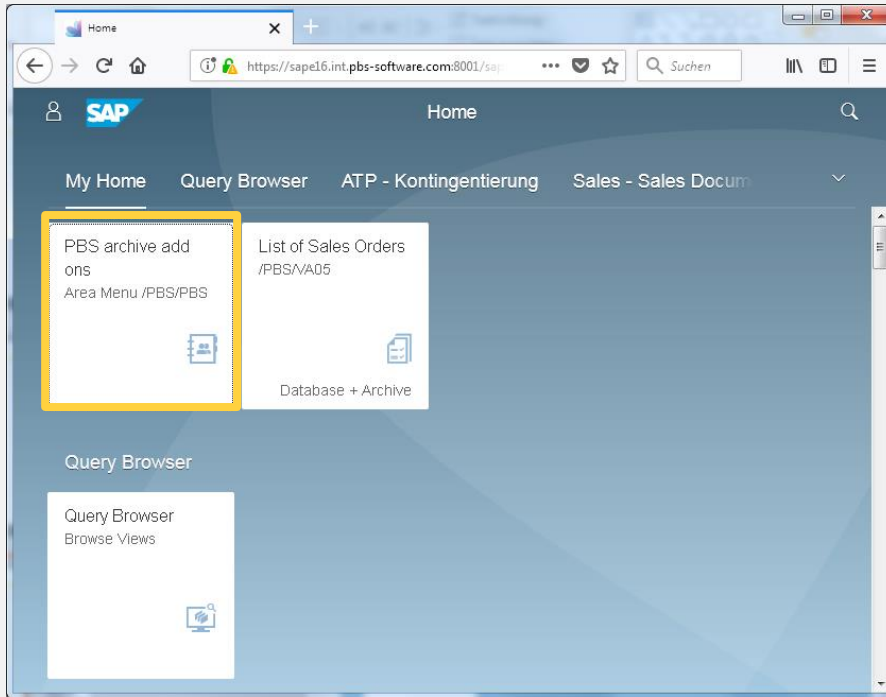
Fiori Launchpad

All PBS transactions and the PBS area menu can be integrated in the Fiori Launchpad.



Fiori Launchpad

All PBS transactions and the PBS area menu can be integrated in the Fiori Launchpad.



What is the status and what are the next steps?

- Q4/2017 SAP Integration Certification für CFI
- Q1/2018 Start of completion of all PBS archive add ons for S/4HANA 1610 and 1709
- Q3/2018 Certification of all PBS archive add ons for S/4HANA 1709
- Adaptation of new HANA transactions (for ex. FBL1H)
- Further development of archive data access via Fiori Apps
- Extension of portfolio for PBS Fiori Apps

Summary

- An important factor for a successful system conversion is the consistent data archiving.
- PBS tools help to analyze the system.
- PBS archive add ons ensure the access to archived data.



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