

Ready for the General Data Protection Regulation

Ready for Digital Business

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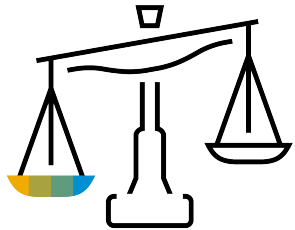


GDPR requirements and impact

What is the General Data Protection Regulation?



The General Data Protection Regulation (GDPR) (EU Regulation 2016/679), effective May 25, 2018, gives **individuals control** and **protection** of their **personal data**. Data controllers, who determine the purpose and means of processing personal data, and processors, who process for controllers, are affected.



Penalties up to 4% of annual global revenue or **€20 million** whichever is greater



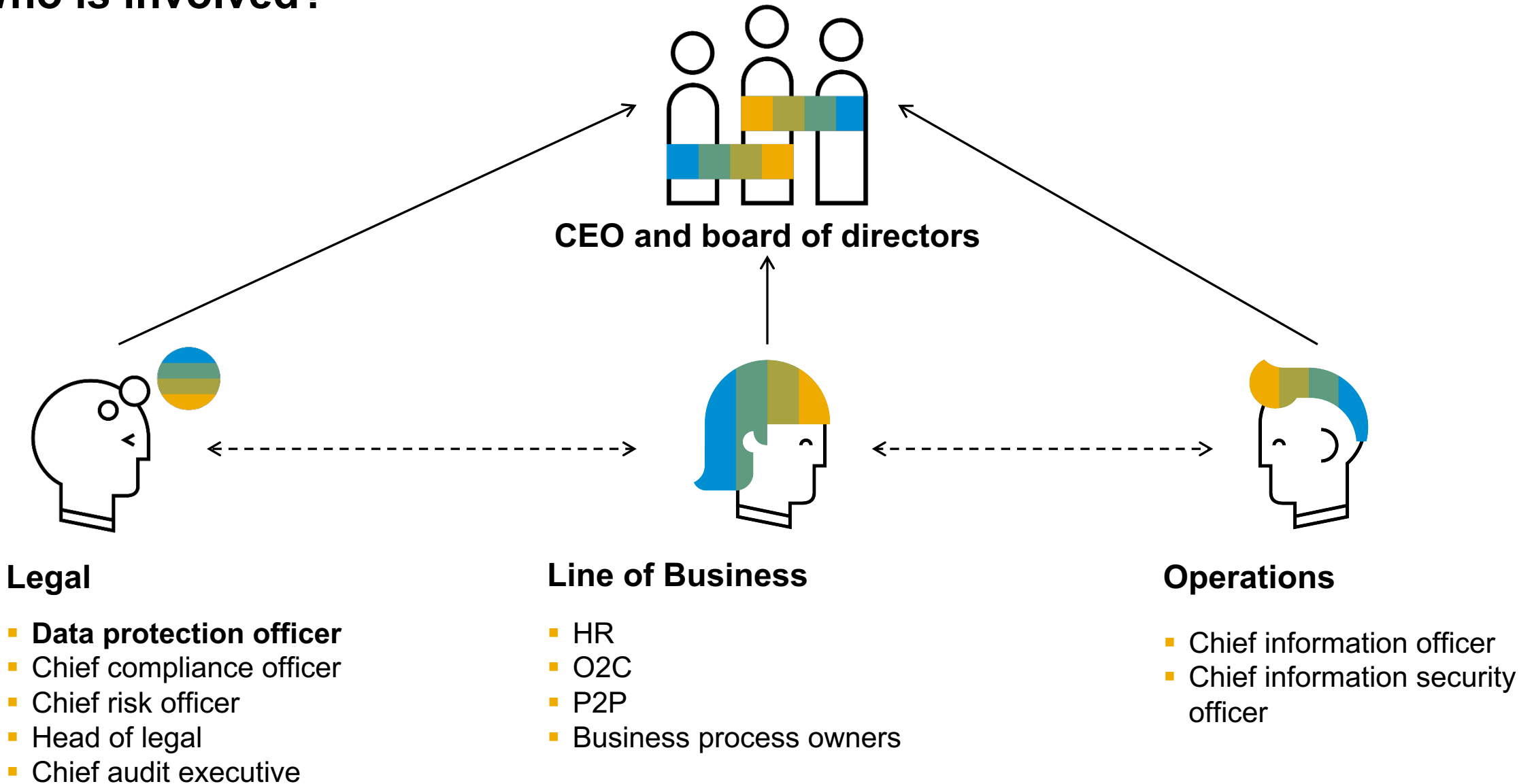
Who must comply?

Organizations that offer goods or services to, or monitor the behavior of, EU data subjects and those that process or hold the personal data of EU residents

Applies to:

Natural persons, whatever their nationality or place of residence in the EU, in relation to the processing of their personal data

Who is involved?



How SAP helps customers address GDPR requirements

SAP's **integrated** and **industry-leading** solutions are highly relevant for meeting **end-to-end** GDPR requirements.



Enterprise-grade solutions cover **SAP** and **non-SAP** systems and **work with existing infrastructure** investments.

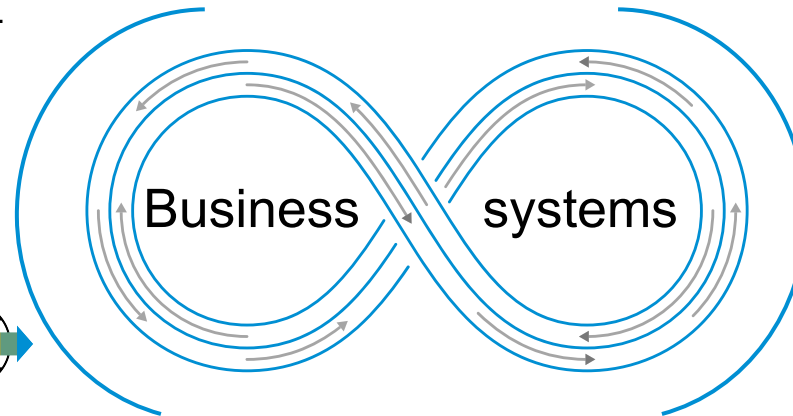
Governance

SAP Process Control

Use assessments and surveys for ownership, status, and data protection impacts. Manage and monitor policies and controls.



Governance, risk, compliance, and security solutions



SAP Access Control

Control or block user access to sensitive data and business processes. Support compliant user provisioning.



Operations

SAP Information Lifecycle Management

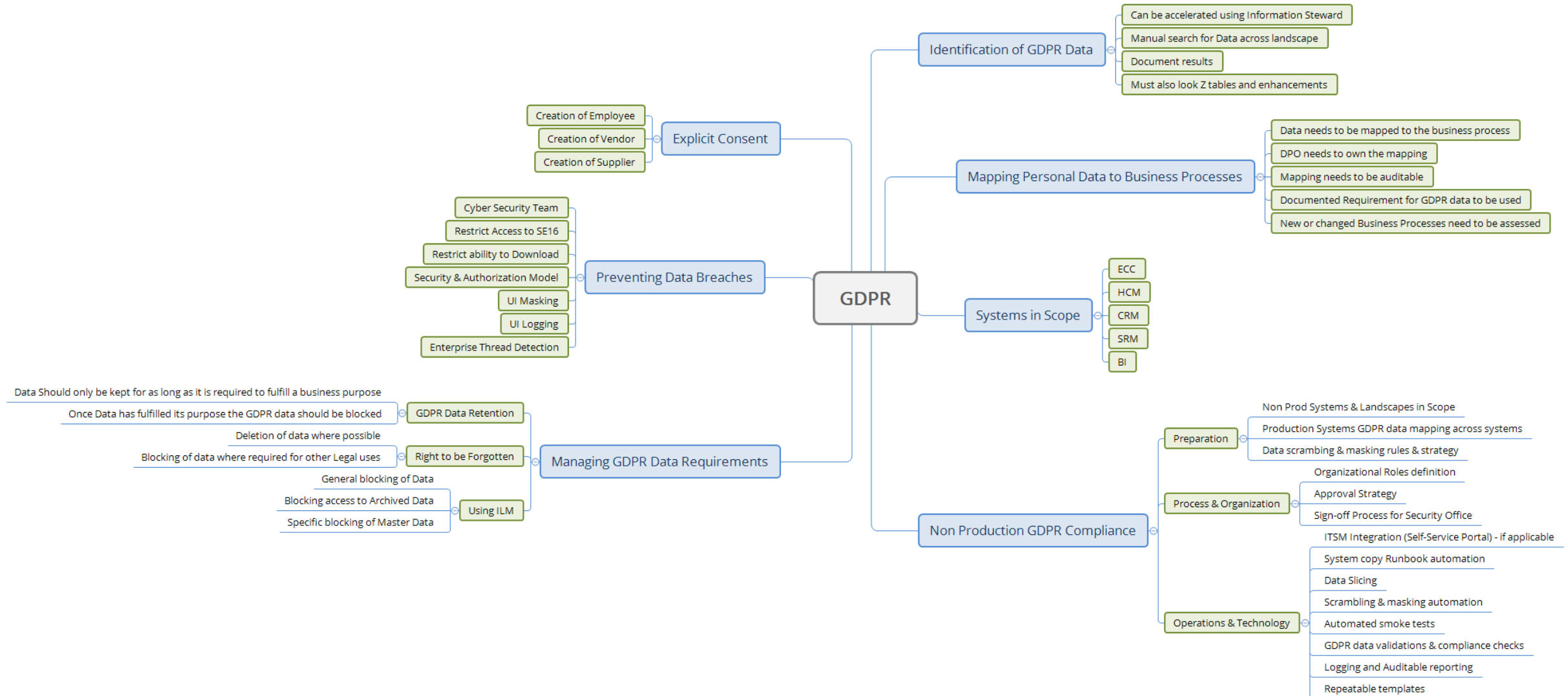
Retention, blocking, and deletion of sensitive data for ABAP-based SAP systems...

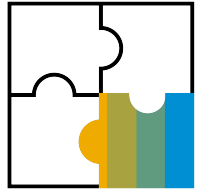
Database and data management solutions

SAP Data Services software and SAP Information Steward

Tagging, profiling, and accuracy of personal data across landscapes...

Mindmap "Accelerate Compliance"

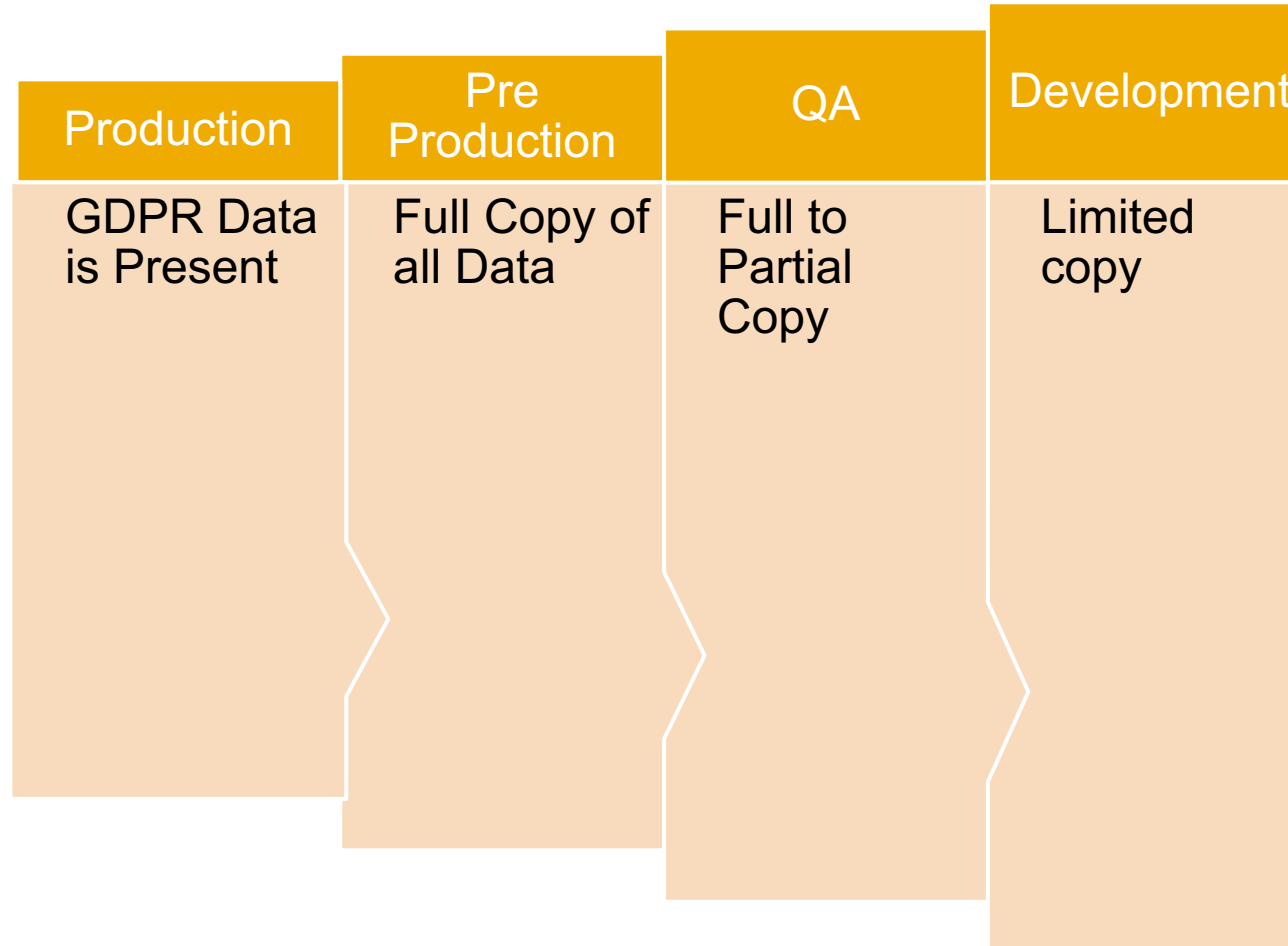




Assessing the gaps and planning a strategy

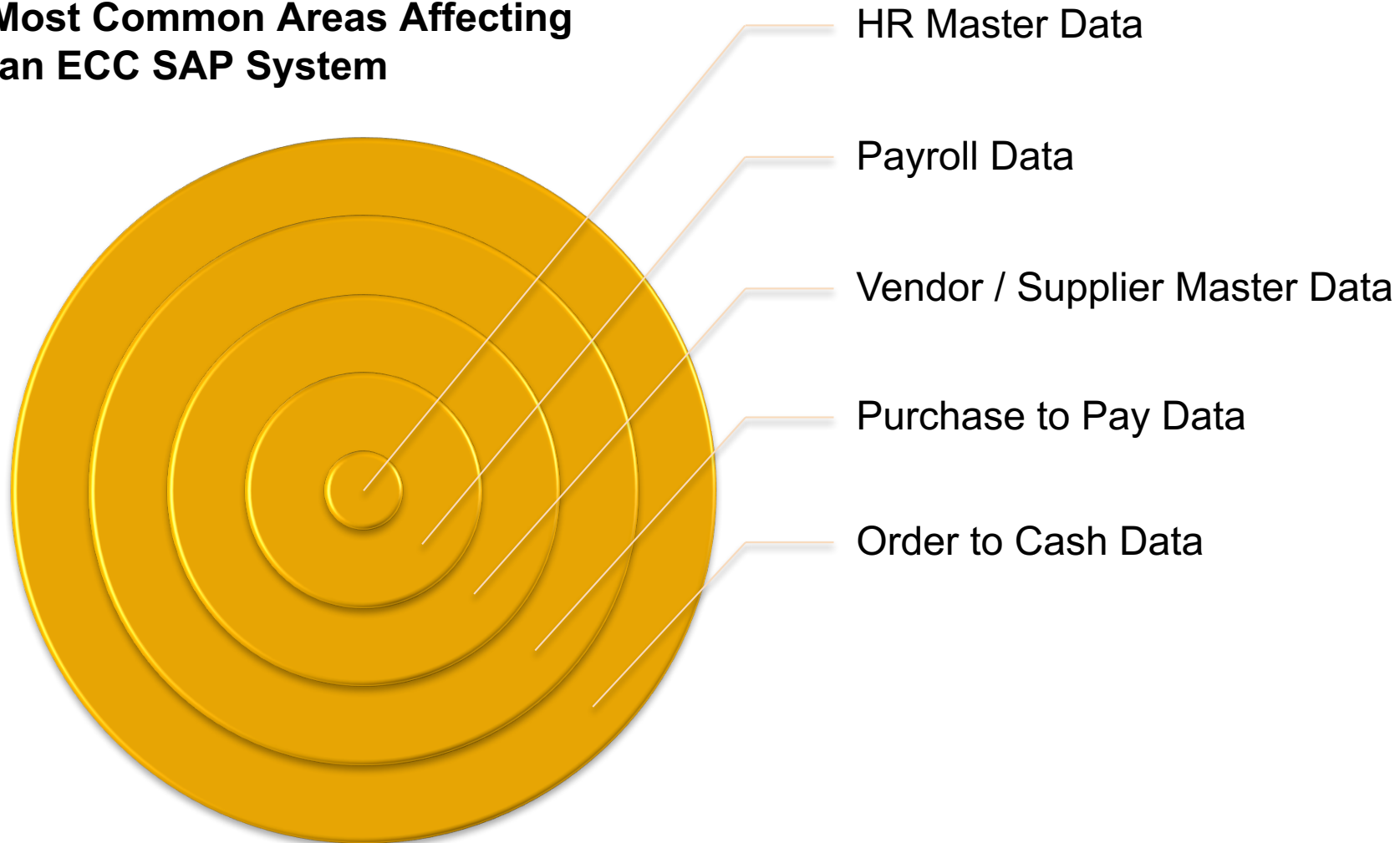
Where does GDPR Impact an SAP Landscape

How GDPR Data Propagates itself Across the Landscape



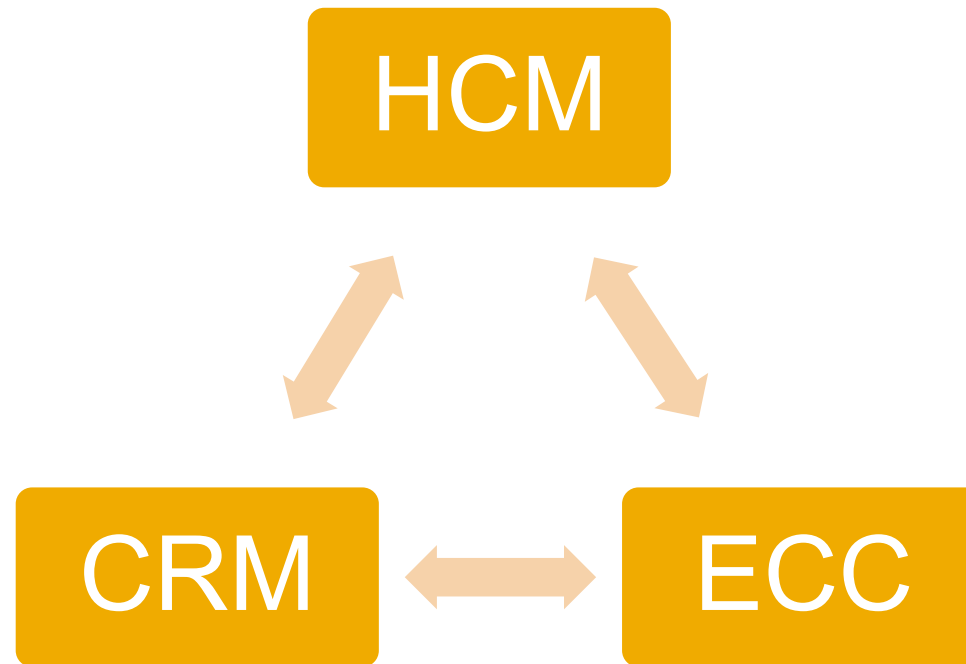
Where does GDPR Impact an SAP Landscape

Most Common Areas Affecting an ECC SAP System



Where does GDPR Impact an SAP Landscape

How GDPR Data Propagates itself Across the Landscape



HCM creates an Employee in CRM for Employee Self Service

HCM creates a Vendor in ECC for Travel and Expenses

Identification of Data

We can Use Information Steward to Speed up Analysis

1. Information Steward Connects Multiple SAP and non SAP databases
2. Scripts Can be Written to Locate GDPR Data
3. Data can Be Reported

Z Tables and SAP Standard Tables which Have Been Enhanced need to be analysed

Results of Data Analysis needs to be documented

Identification of Data

What auditors would like to see

Business Process

e.g.

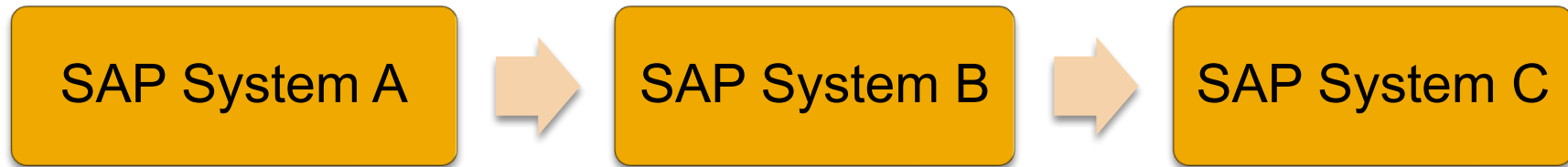
Hire to Retire
Order to Cash



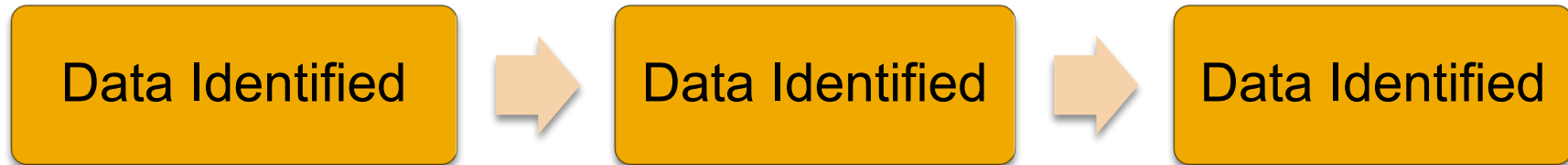
Landscape Mapped




e.g.

HCM Creates Employee
ECC Has Employee as Vendor
CRM Has Employee as a Service



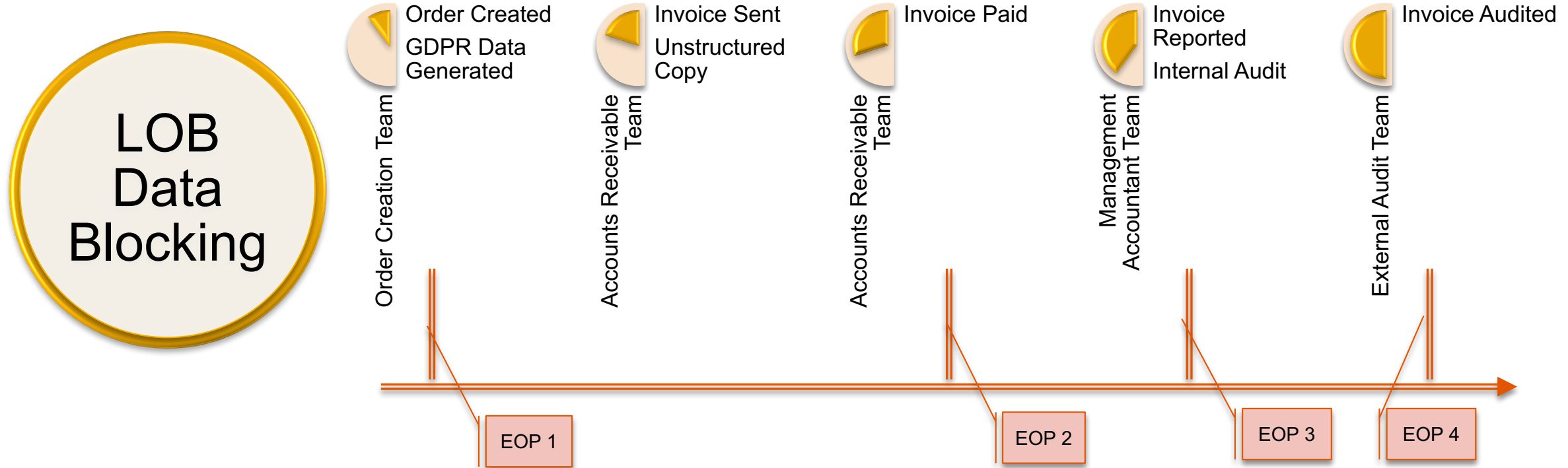
GDPR Data Mapped



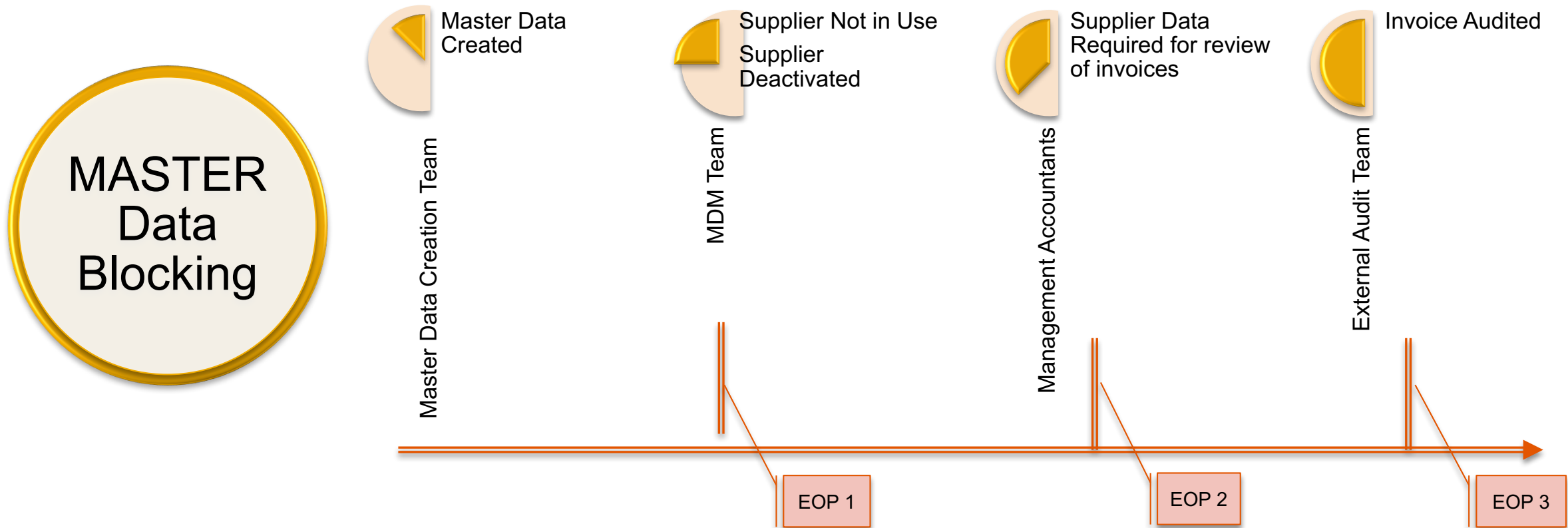
01011
11010
10   
01101

Managing GDPR data

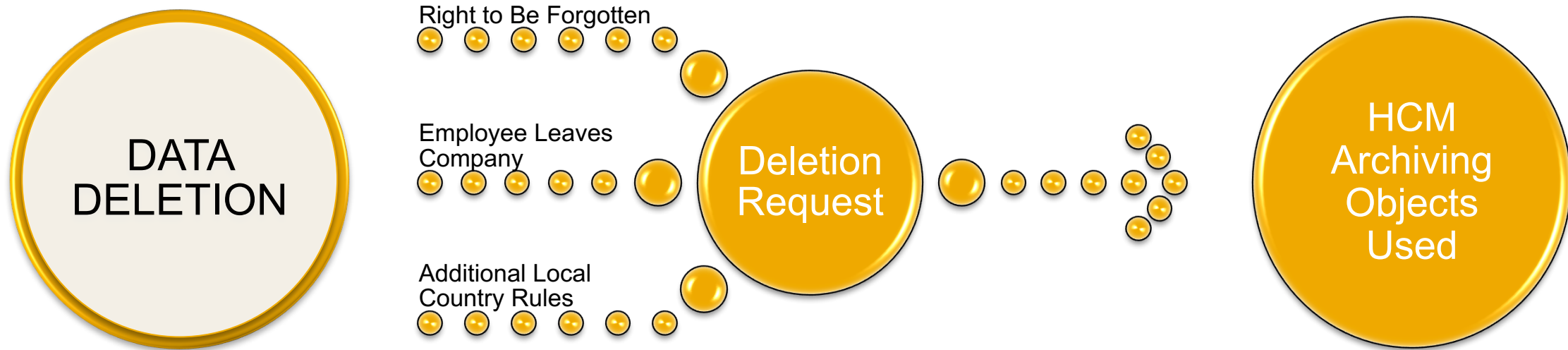
LOB Data Blocking



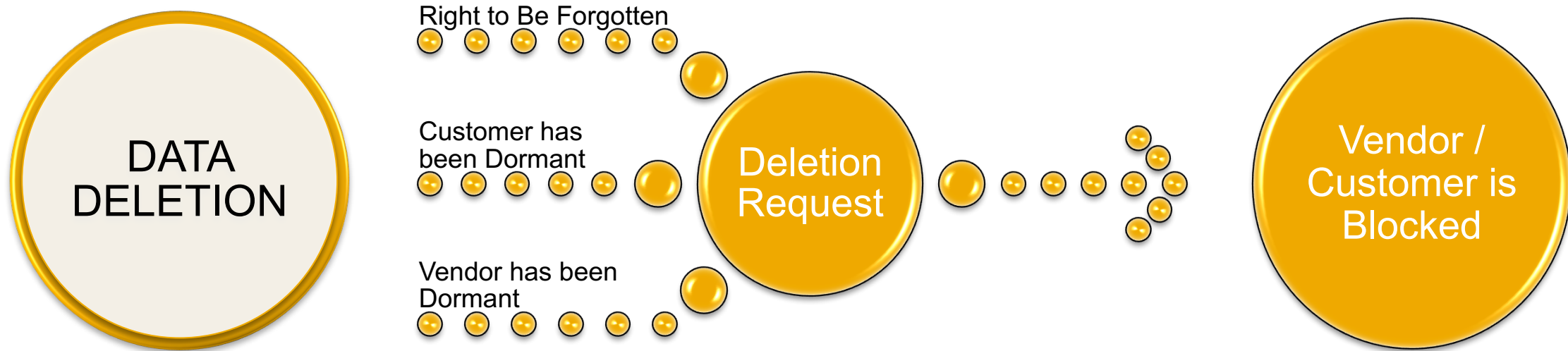
MASTER Data Blocking

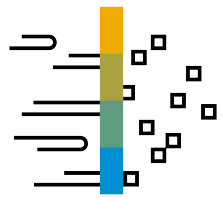


Data Deletion Request HCM



Data Deletion Request Vendor & Customer Master

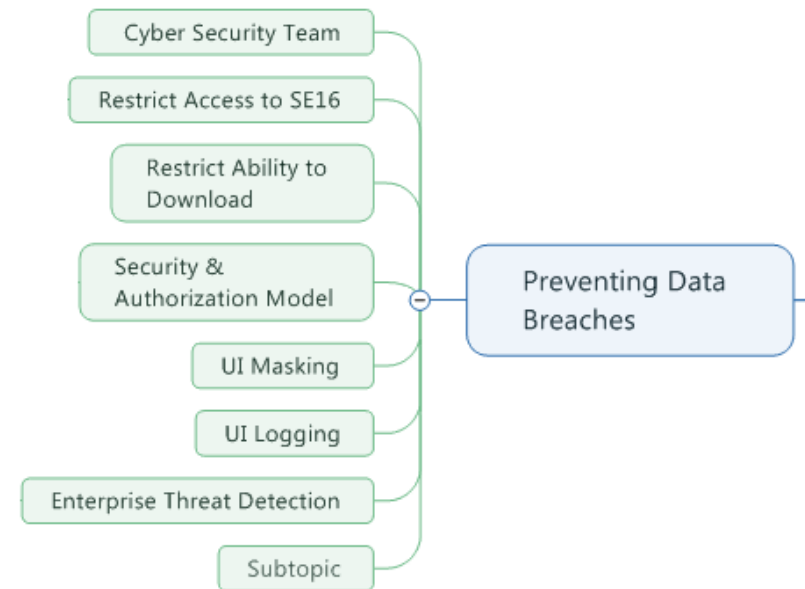




Preventing data breaches

Preventing Data Breaches

1. Restrict Access to SE16.
2. Restrict Access to being able to Download data from an SAP Transaction.
3. Ensure the Security & Authorisation Model is fit for purpose and has clearly defined processes for both provisioning and provisioning access.



SAP UI Logging

- Logging based on roundtrips (frontend→server→frontend)
- filtering options to **control log file size**
- **efficient analysis:** log data organized with unique <name> →value pairs
 - on demand: **detailed analysis** of log file via Log Analyzer
 - real time: **configurable alerts/notifications**
 - automated: integrated with ETD → usable as powerful data source

Change Basic Pay

Personnel No 1 Name Christian Schubert
 EE group 1 Active Pers.area DE01 Personnel area DE01
 EE subgroup DU Salaried employees
 Start 01.01.2013 to 31.12.9999 Chng 24.11.2016 EDEBALI

Payment type 0 Basic contract Object ID
 Reason Next increase

Pay scale Further Information
 Type 40 Metall Capacity Util. Level 100,00 % PER
 Area 01 Baden-Wuerttemberg Work hours/period 167,40 Monthly
 Group M3 Level Ann.salary EUR

W...	Wage Type Long Text	O. Amount	Curr...	I..	A..	Number/Unit	Unit
MA10	Standard salary	1.602,00	EUR		✓		
MA20	Standard bonus	153,40	EUR		✓		
MA30	Standard bonus (%)		EUR	I	✓		Percent

IV 25.01.2017 - 31.12.9999 1.755,40 EUR

transaction: PA30
 "Maintain HR Data"

Infotype 8
 "Basic Pay"

```
***** HEADER *****
GUID=B9F783586FB23949E1000000A60883B
TIMESTAMP=25.01.2017 16:38:28
TRX_NAME=PA30-Maintain HR Master Data
USERNAME=KELLERTO
CLIENT_IP=10.66.6.234
LOG_CLIENT=200
SYSID=YPX
HOST_NAME=WDFN33937027A
TECHNOLOGY=10
SUB_TECHNOLOGY=
TID=0000000040
MODNO=0000000000
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CONTEXT_ID=000400005882FC3ED4F2697DE1000000A60883B
***** INPUT *****
SAP_SYSTEM=YPX
SAP_CLIENT=200
TITLE=Maintain HR Master Data
Function code that PAI triggered=MOD
PA30.SAPMP50A.1100.SAPMP50A.1100.RP50G-PERNR[0]=1
Function code that PAI triggered=MOD
PA30.SAPMP50A.1100.SAPMP50A.0350.RP50G-CHOIC[0]=8
PA30.SAPMP50A.1100.SAPMP50A.0350.RP50G-SUBTY[0]=
PA30.SAPMP50A.1100.SAPMP50A.0350.SUBTY_TEXT[0]=
.....
```

```
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SAP_CLIENT=200
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PA30.MP000800.1000.MP000800.1000.[1]=Collective search help
PA30.MP000800.1000.MP000800.1000.[2]=Search Term
PA30.MP000800.1000.MP000800.1000.[3]=Free search
PA30.MP000800.2000./IPAPAXX/HRD_20002A.0100.$_DG01_200A02_DAT_P0000_PERNR[0]=1
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PA30.MP000800.2000./IPAPAXX/HRD_20002A.0100.$_DG03_200A02_DAT_P0001_PERSG[0]=1
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PA30.MP000800.2000./IPAPAXX/HRD_20002A.0100.$_DG07_200A02_DAT_P0001_PERSK[0]=DU
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PA30.MP000800.2000.MP000800.0300.P0008-WAERS[0]=EUR
```

SAP UI Masking

PA0008: Display of Entries Found

Table to be searched: PA0008 HR Master Record: Infotype 0008 (Basic Pay)

Number of hits: 1

Runtime: 0 Maximum no. of hits: 500

PersNo.	STy.	ObjID	LI	End Date	Start Date	RNo	Changed on	By	H	Tx	Rf	Co	SC	Re
AB%031	0			*****	01.11.1999		29.09.1999	RIAC						

Display and Delete Logged Data

Date	Time	User Name	IP address	TCode	Program	Screen	Table	Field	Field Value	Free Text
02.12.2014	14:41:33	KELLERTO	10.18.161.221	SE16N	RK_SE16N	100	VBAK	NETWR	1.155.000,00	Logs Created for UI Masking
	14:31:41	KELLERTO	10.18.161.221	SE16N	RK_SE16N	100	VBAK	NETWR	*****	Logs Created for UI Masking
08:26:49		PRASADDI	10.54.137.204	PA30	MP000900	2008	Q0009	EMFX	**&&&&&&&&&...	Logs Created for UI Masking
01.12.2014	20:37:44	KELLERTO	147.204.197.180	VA02	SAPMV45A	4440	VBKD	ZTERM	&&01	Logs Created for UI Masking
	20:37:41	KELLERTO	147.204.197.180	VA02	SAPMV45A	4021	VBAK	NETWR	*****	Logs Created for UI Masking
	14:37:18	KELLERTO	10.18.161.221	VA03	SAPMV45A	4440	VBKD	ZTERM	&&01	Logs Created for UI Masking

Material Edit Goto Environment System Help

Display Material PRO1_FRONTCAMERA (Finished Product)

Additional data Organizational levels

Sales text MRP 1 MRP 2 MRP 3 MRP 4 Plant stock

Material: PRO1_FRONTCAMERA Front Camers PRO1

Plant: Z001 San Mateo

General Data

Base Unit of Measure: EA each MRP group: 000

Purchasing Group: ABC Indicator:

Plant-sp.matl status: Valid from:

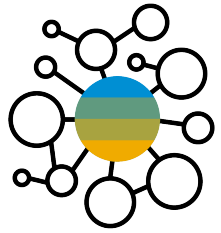
Error

ACME_PRO1: Only Acme PRO1 Design Engineers are allowed to view all tabs

OK Help

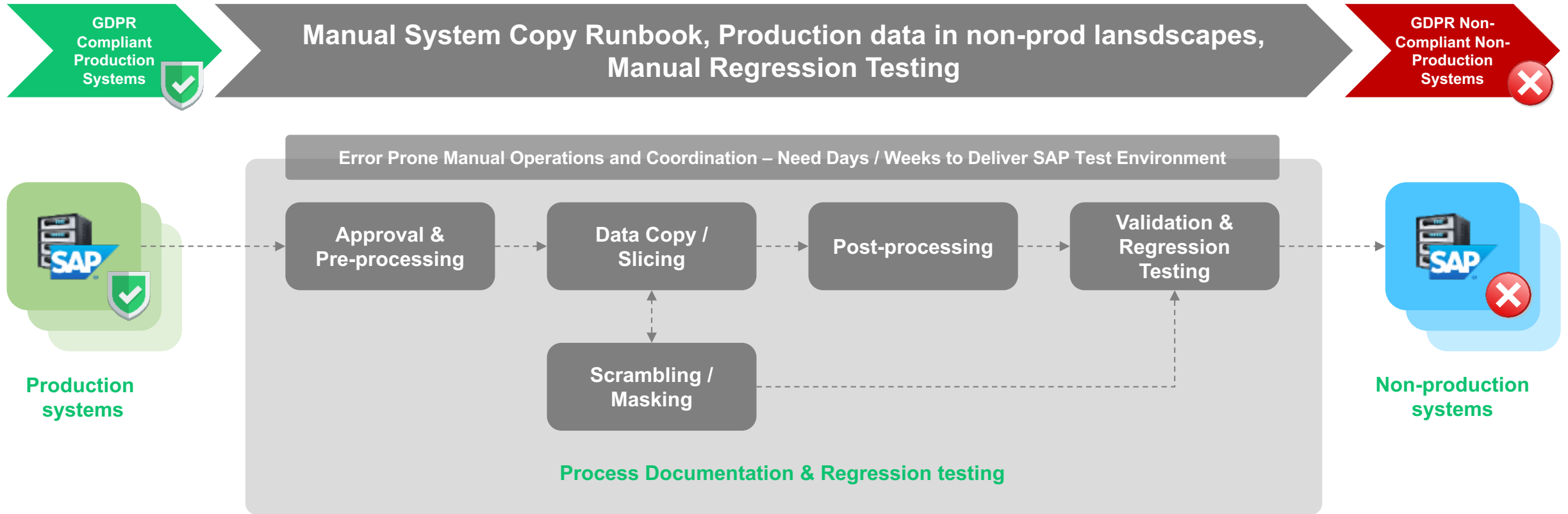
Multiple uses:

- Minimal impact on 'live data' and 'historical data' systems
- Common core business areas such as HR, procurement, CRM, ERP, reporting
- UI Masking SAP only

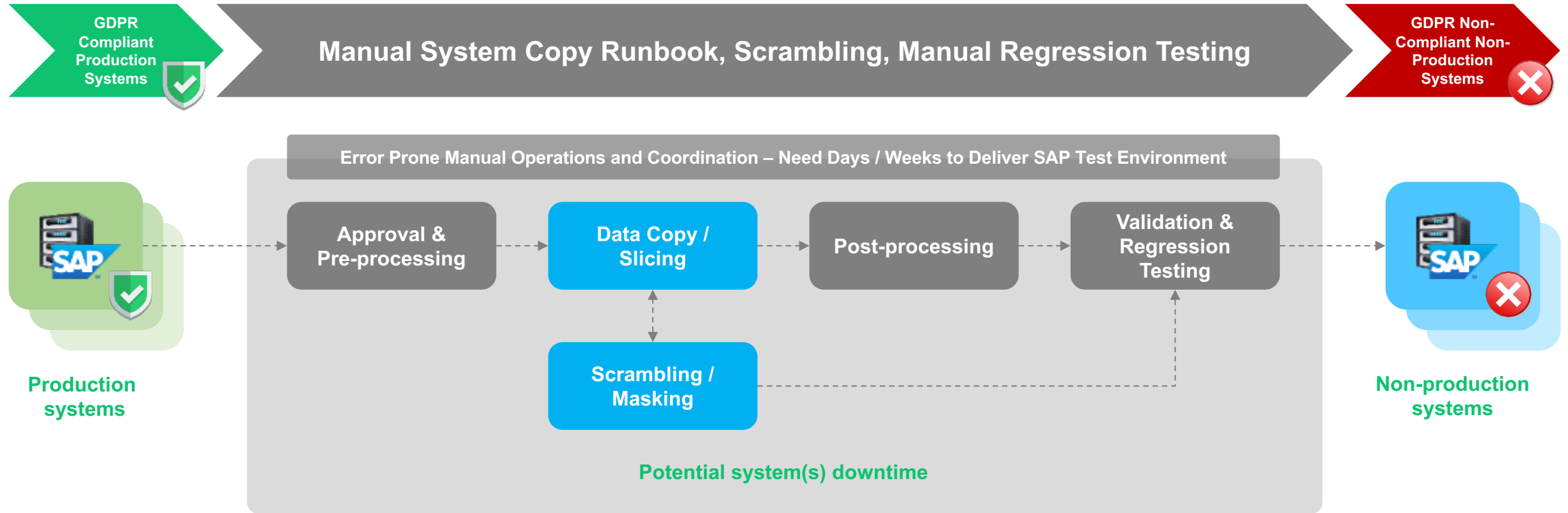


Managing non-production landscapes

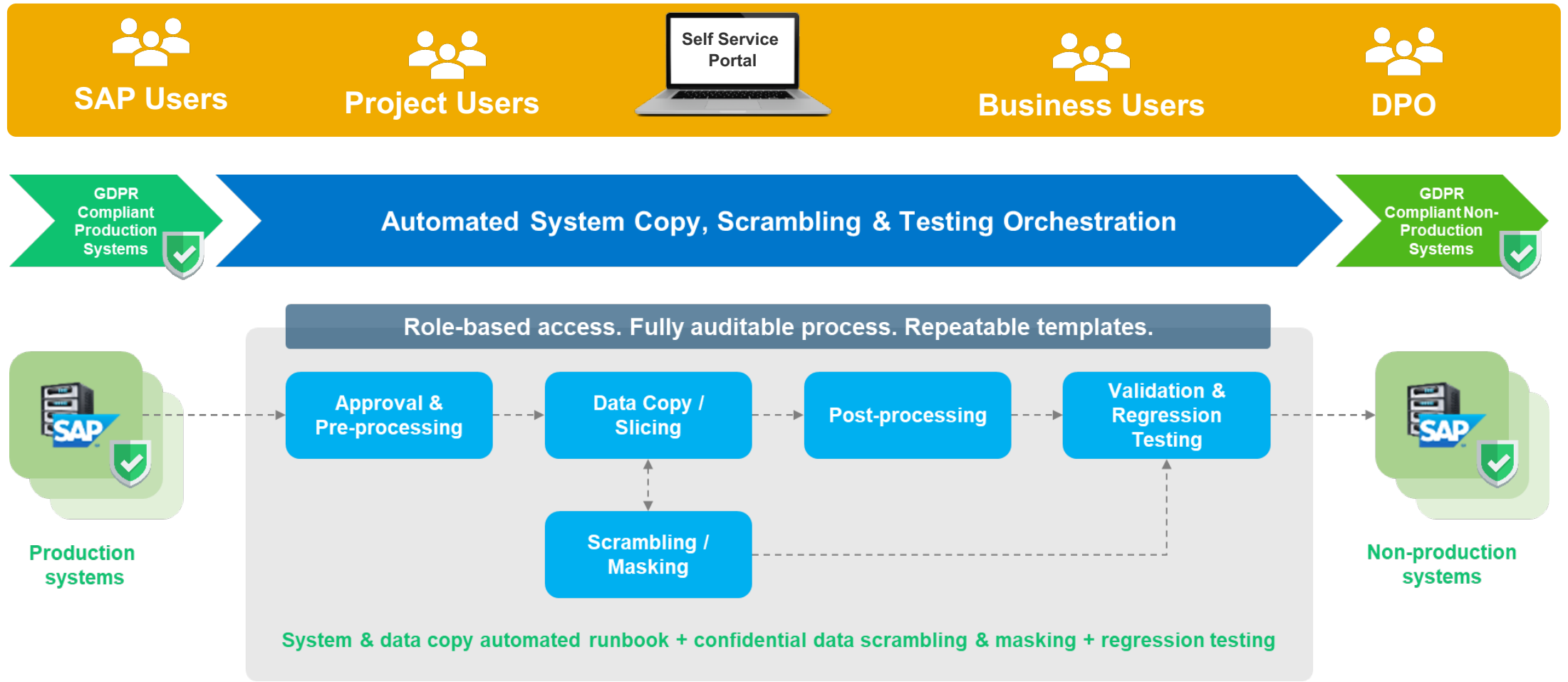
Traditional Approaches



Traditional Approaches



Process & Organization





SAP services to support you on your journey

GDPR - Delivery with Excellence

Professional Services at SAP DBS



Explore the requirements



Initial Standard Workshop

Gives the overview of EU-GDPR requirements and SAP Products/Services which can help the customer to get compliant.

Analyze & Prepare a plan



Technical Check & Procedure model

Technical analysis of possible technical and functional configurations in SAP systems that are not yet implemented or applied to meet data protection requirements.

Run



Information Life Cycle-, Security- & GRC-Services

Focus on success



Cockpit with SAP Process Control

Usage of SAP Process Control Product as a cockpit for analyzing and monitoring the operational effectiveness of GDPR controls.



GDPR Technical Readiness Check as a PE Service is planned for Q1-2018

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Professional Services at SAP DBS



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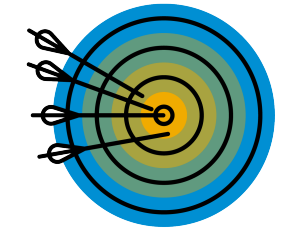


Cockpit with SAP Process Control

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GDPR Technical Readiness Check as a PE Service is planned for Q1-2018



Summary

Conclusions

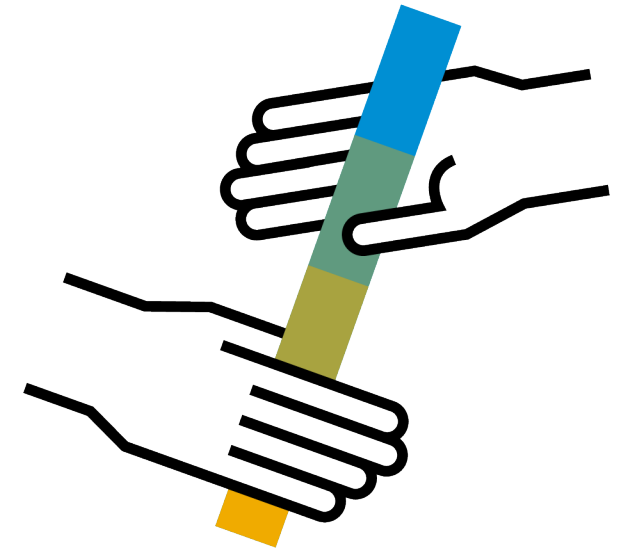
Drive through GDPR challenges to become a better digital business

SAP **can help you:**

- Accelerate the journey towards GDPR compliance
- Strengthen the foundation to govern your GDPR program and demonstrate accountability
- Orchestrate GRC and data management workstreams to simplify governance

Achieve maximum advantage from your efforts

- A better response to the GDPR to become a fitter, more agile **digital business** with automated governance of data and business processes
- A more trusted engagement with your customers for improved business insight balanced with **digital responsibility**
- An opportunity to reduce compliance cost and risk (not only for GDPR) through automation



Thank you.



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ILM Expert
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mark.johnson04@sap.com

Simplified blocking and deletion of business partners

Technical prerequisites

- With SAP Information Lifecycle Managements (ILM) the functionality of *Simplified blocking and deletion of business partners* is available as follows*:

System/Application	Release - prerequisite
ERP	SAP ERP 6.0 EHP7 SPS12
CRM	SAP CRM 7.0, EHP3, SPS05
IS-U	SAP ERP 6.0 EHP7 SP08
HCM	SAP ERP 6.0 EHP6 SPS16

- Scope:
 - End of purpose checks (EOP) available in more than 120 modules/applications
 - Possibility of handling blocked data in transactions and reports
 - Full ILM-enablement of archiving objects in respective modules/applications

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