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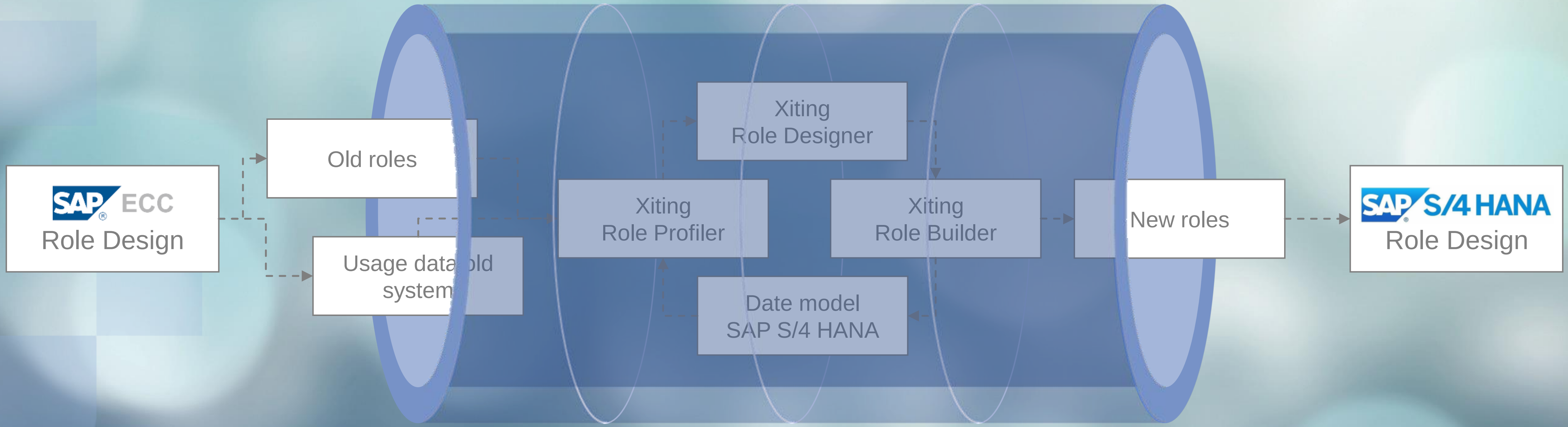
Trusted Global Innovator



NTT DATA Business Solutions

Roles & Authorizations, in your S/4HANA migration project

Introductions

Trusted Global Innovator

We Transform. SAP® Solutions into Value

Digital Trust

Through Digital Accountability Management

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Senior Professional GRC LoB,

Agenda

Purpose

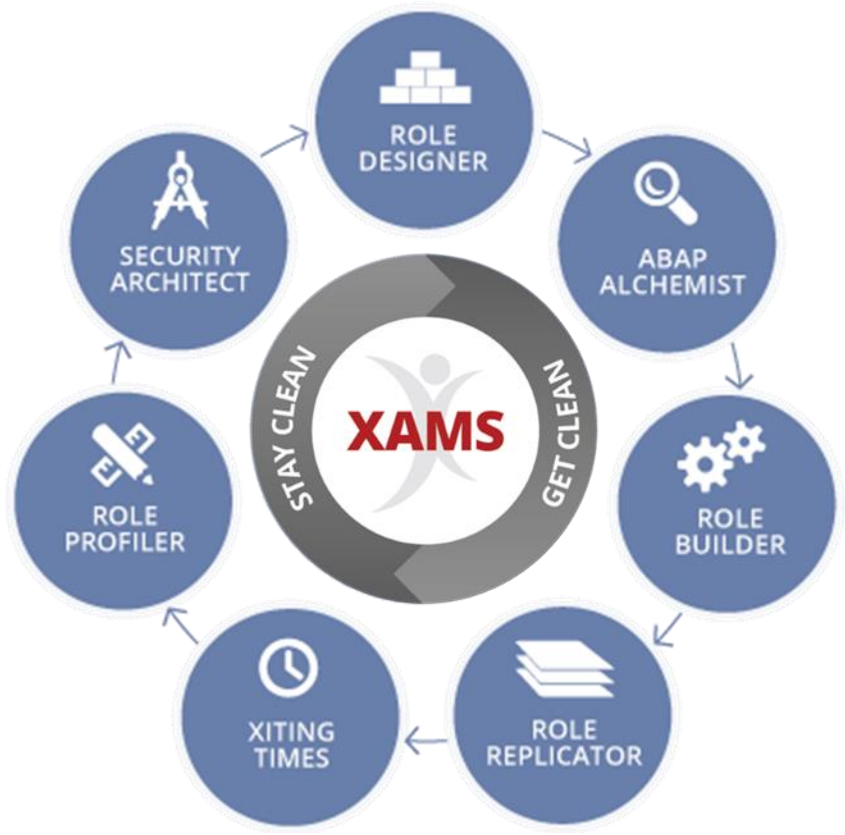
SAP S/4HANA® introduces an entirely new data model. As a result, role administrators will have to analyze and update the existing role concept, including Authorizations. The question is: How do I approach this task, and will it provide any benefits to complete this before migration?

In this educational webinar, we will show you how you can manage this black box in a secure and effective way using third-party tools from Xiting. Find out how to automate the analysis of existing authorizations and how to compare them with the new data model of SAP S/4HANA. Learn how to significantly expedite your migration project while lowering the risk of costly mistakes, and not least, ensuring that managers are kept in the loop.

01

Introduction Xiting

Xiting Authorizations Management Suite (XAMS)



02

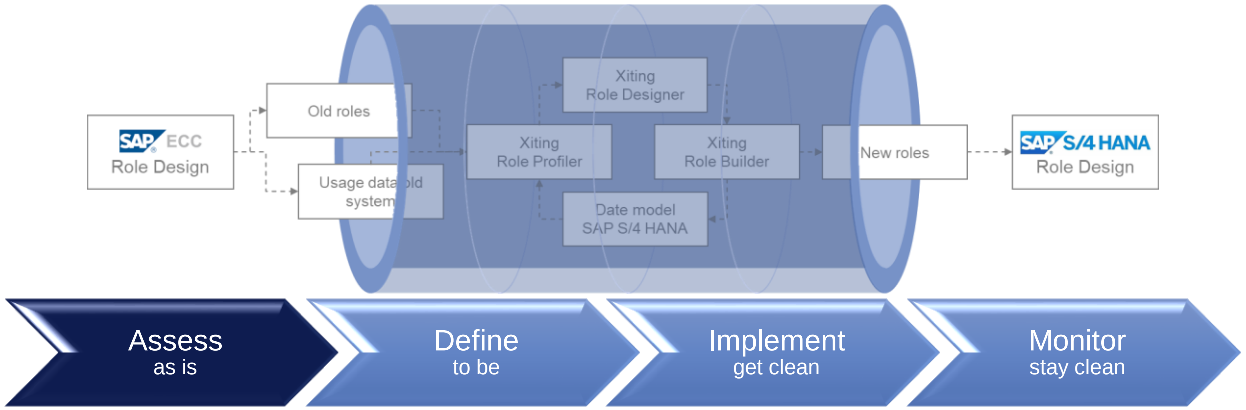
Role & Authorization Readiness Assessment

Roles & authorization readiness assessment and outcome

Current Role Quality

Status of quality (current): good · medium · poor

Role Quality	Status
Occurrence of manual authorisations in roles	poor
Occurrence of changed authorisations in roles	poor
Compliance with SU24 values	poor
Occurrence of changed organisational values	poor
Comparison of inherited roles	medium
Number of single roles in scope for re-design	**1649**



Complexity of Re-design

Complexity (expected effort): Normal · Medium · High · Not relevant

Area	Comments	Complexity
System environment	Sikkerheds parametre: ASSIGN_ROLE_AUTH 3 dialogbrugere i BTC scenarier, 2576 dialogbrugere i RFC scenarier 186 /*,Z*, Y* authorization objects Customer specific organizational levels: LGORT, PERSA, RESPAREA, VDSK1 Usage of Modules: **BC,** BW, **CA, CO, FI, LE, LO, MM, PA, PE, PM, PP, PS, PT,** PY, QM, **SD, Z*** Usage of Addons: **/APPLISOL, /BKC, /EHRM, /INITMPAY, /IWBEP, /IWFND, /WMD**	Medium
HR Customizing	Aktiv (master data check og eget personalenummer check) Ikke strukturelle profiler	Medium
Active users and roles	4852 dialogbrugere 1649 singleroller og 329 composite roller (179 template/571 nedarvet) Split mellem organisatoriske- og funktionelle roller	High
User activity	1043 transaktionskoder (283 custom) 641 funktionsmoduler	High
Generic transaction codes	SE16: 10, SE16H: 0, SE16N: 18, SM30:3, SQ00: 0, SQVI:3 START_REPORT: 12, SA38: 5, SE38: 12	Normal
Custom development	Totalt scope: 672 Z* transaktionskoder og 130 Y* transaktionskoder Historisk brug: 219 Z* transaktionskoder og 34 Y* transaktionskoder	High
Differentiated access	Stor differentiering på HR stamdata Differentiering på costcenter, profitcenter Ingen differentiering på ordretyper, batch jobs, spools, idocs, queries	Medium
Organizational values	1 firmakode, 1 controlling area, 1 fabrik, 116 lagerlokationer, 1 indkøbsorganisation, 1 division Custom: LGORT, PERSA, RESPAREA, VDSK1	Medium

Estimate – Breakdown

Rolle redesign with XAMS

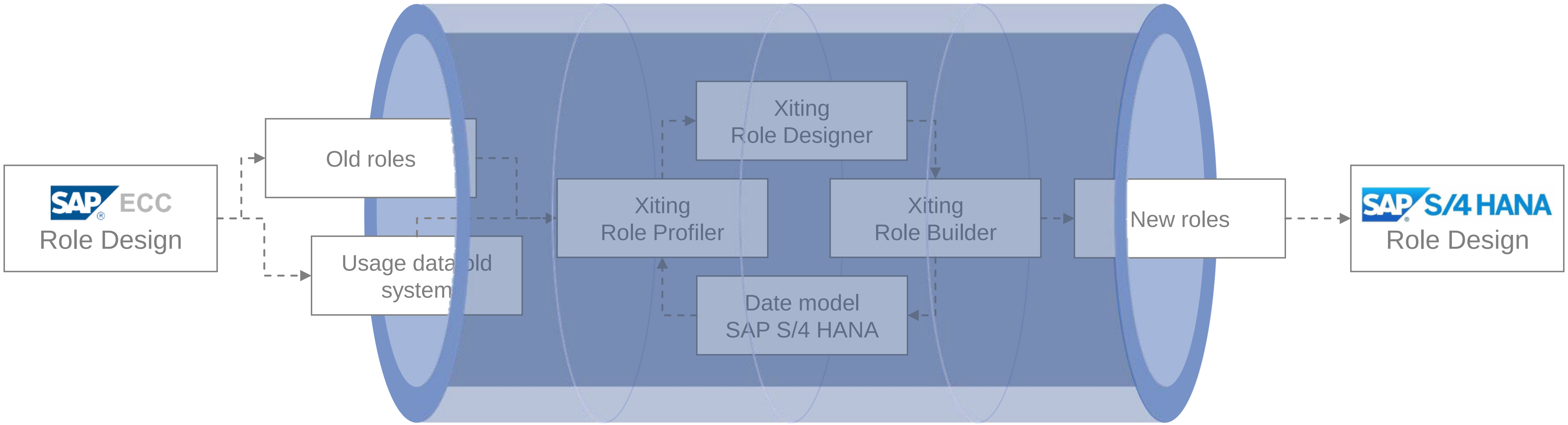
ID	Project phase	ABC	%
1	**Administration**	**15**	**9%**
1.1	Project management		
1.1	Project controlling og administration	13	
1.2	XAMS installation og customizing	2	
2	**Preparation**	**12**	**7%**
2.1	Optimering af SAP Security configuration	1	
2.2	SU25 eksekvering	1	
2.3	SU24 Optimering (baseret på systemregler)	2	
2.4	SU24 Optimering (baseret på kodeanalyse)	4	
2.5	SU24 Optimering (baseret på trace data)	4	
3	**Design**	**47**	**29%**
3.1	Evaluering og definering of jobfunktioner	14	
3.2	Evaluering og definering at security guidelines	10	
3.3	Modellering af rollekoncept baseret på jobfunktioner	8	
3.4	Workshops med forretningen for at bekræfte rolleindhold	15	

Rolle redesign with XAMS

ID	Project phase	ABC	%
4	**Implementering**	**36**	**22%**
4.1	Oprettelse af template roller for jobfunktioner	20	
4.1.1	Implementering af Fiori funktionalitet	N/A	
4.1.2	Koordination og fine tuning for objektværdier	10	
4.2	Kvalitetstjek af roller	1	
4.3	Optimering og replikering af template roller	3	
4.4	Implementering af scenarier for CO adgang	2	
5	**Validation**	**33**	**20%**
5.1	Definering og forberedelse af test scenarier	2	
5.2	Aktivering og monitorering af test scenarier	2	
5.2	Evaluering og implementering af testresultater	24	
5.3	Setup af scenarier for acceptance tests	5	
6	**Activation**	**19**	**12%**
6.1	Provisionering af referencebrugere (fallback)	2	
6.2	Deployment of rolletildelinger	2	
6.3	Monitorering og support i forbindelse med Go-Live	10	
6.4	Tilretning og vedligehold af roller	5	
7	**Documentation**	**2**	**1%**
7.1	Oprettelse af projektdokumentation	2	
7.2	Generering af SAP security concept		
7.3	Implementering af internt kontrol system (ICS)		
7.4	Projektrelateret coaching og XAMS træning		
		164	**100%**

03

Role re-design



SAP ECC
Role Design
Old roles
Usage data old system
Xiting Role Designer
Xiting Role Profiler
Xiting Role Builder
Date model SAP S/4 HANA
New roles
SAP S/4 HANA
Role Design

Challenges in role re-design

- Three major challenges in re-designing roles

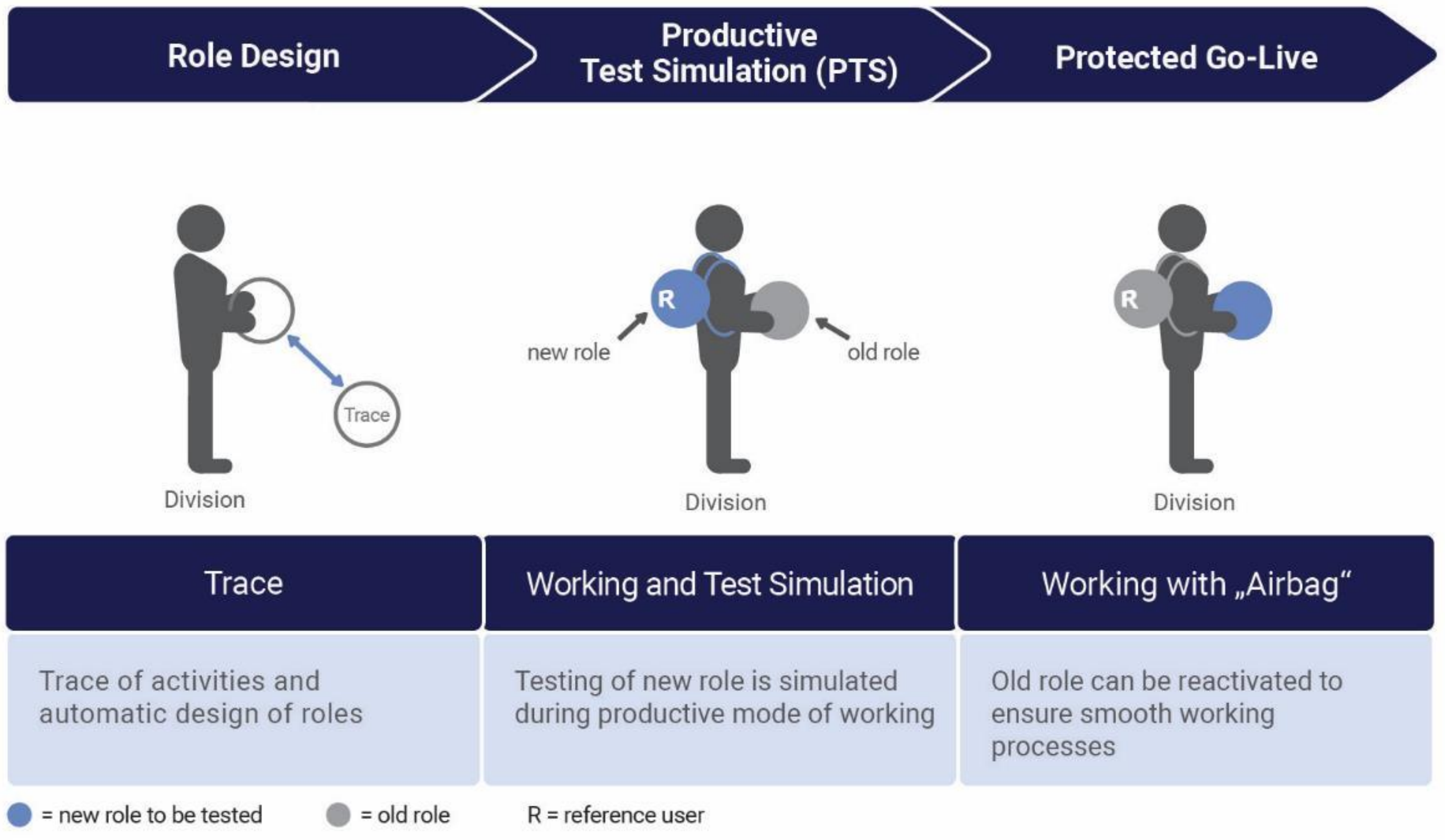
  - Structure of roles and content
    - Difficult to cover all variants of business processes
    - SAP S/4HANA introduces an entirely new data model

  - Analyzing and testing of roles
    - Analyzing usage of old roles is a time-consuming process
    - Free up valuable resources and test all possible scenarios

  - Go-live with the new roles
    - Disruption in daily operations

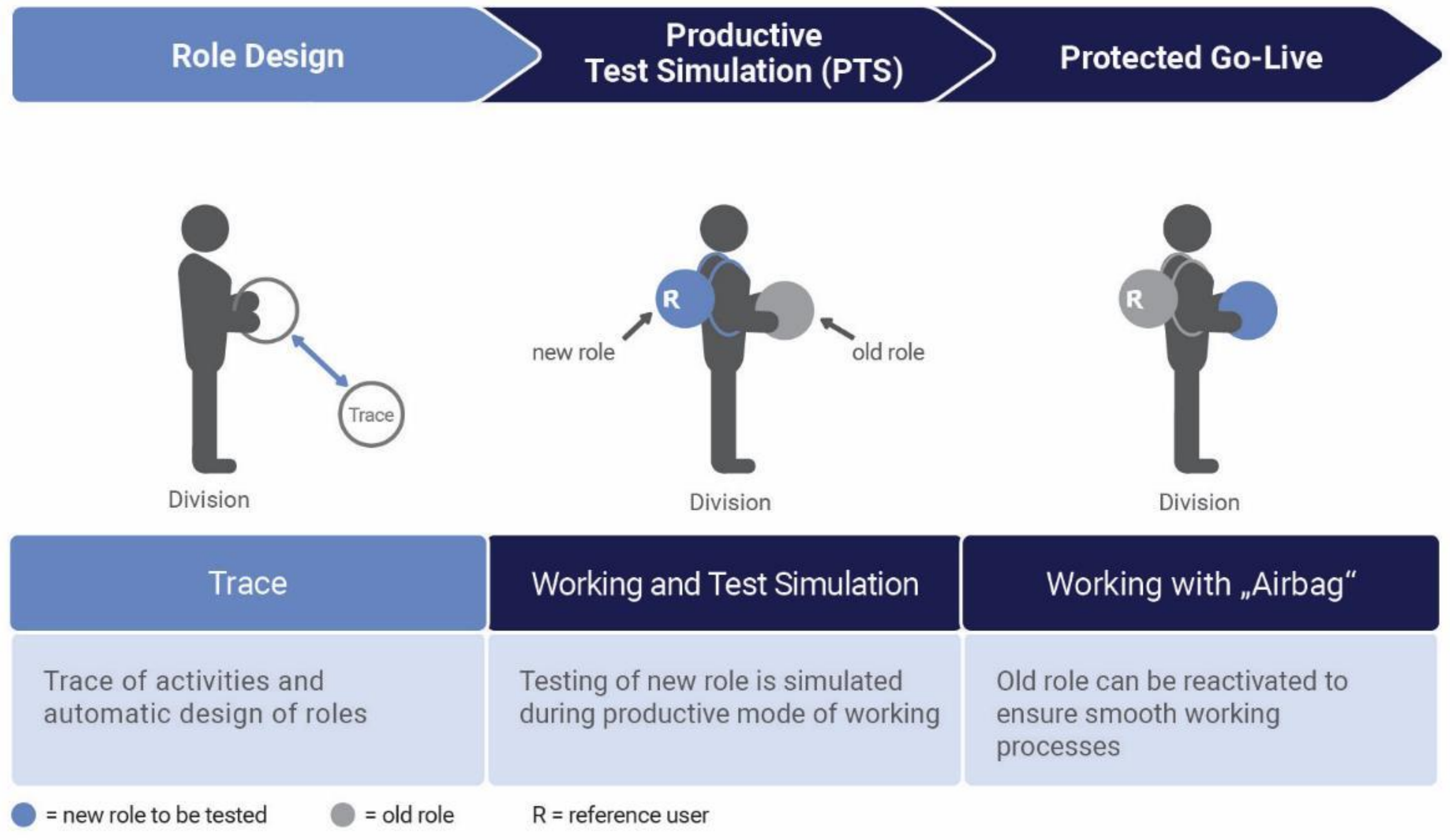
Addressing the challenges

- The Three Musketeers



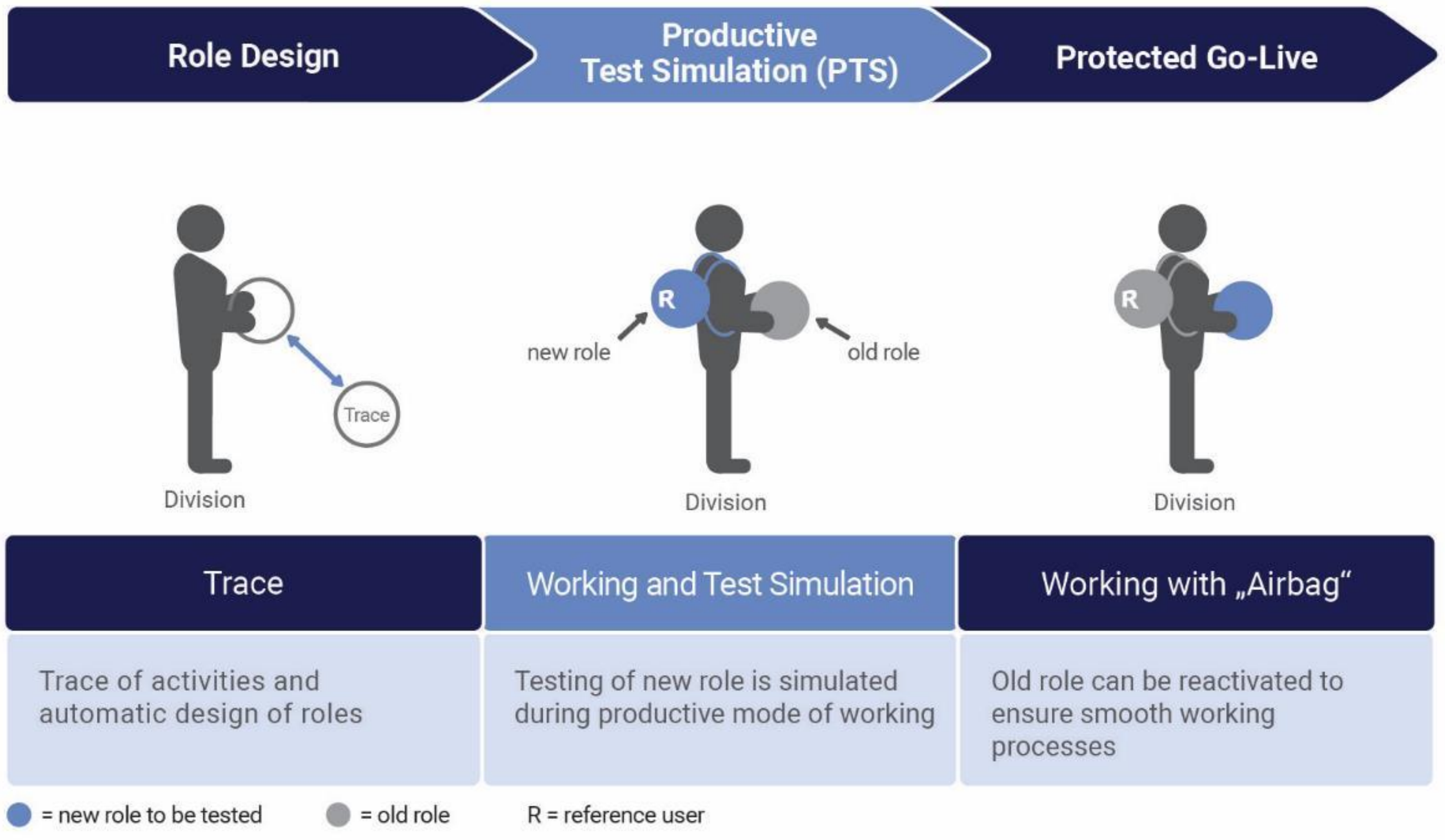
Addressing the challenges

- Role design



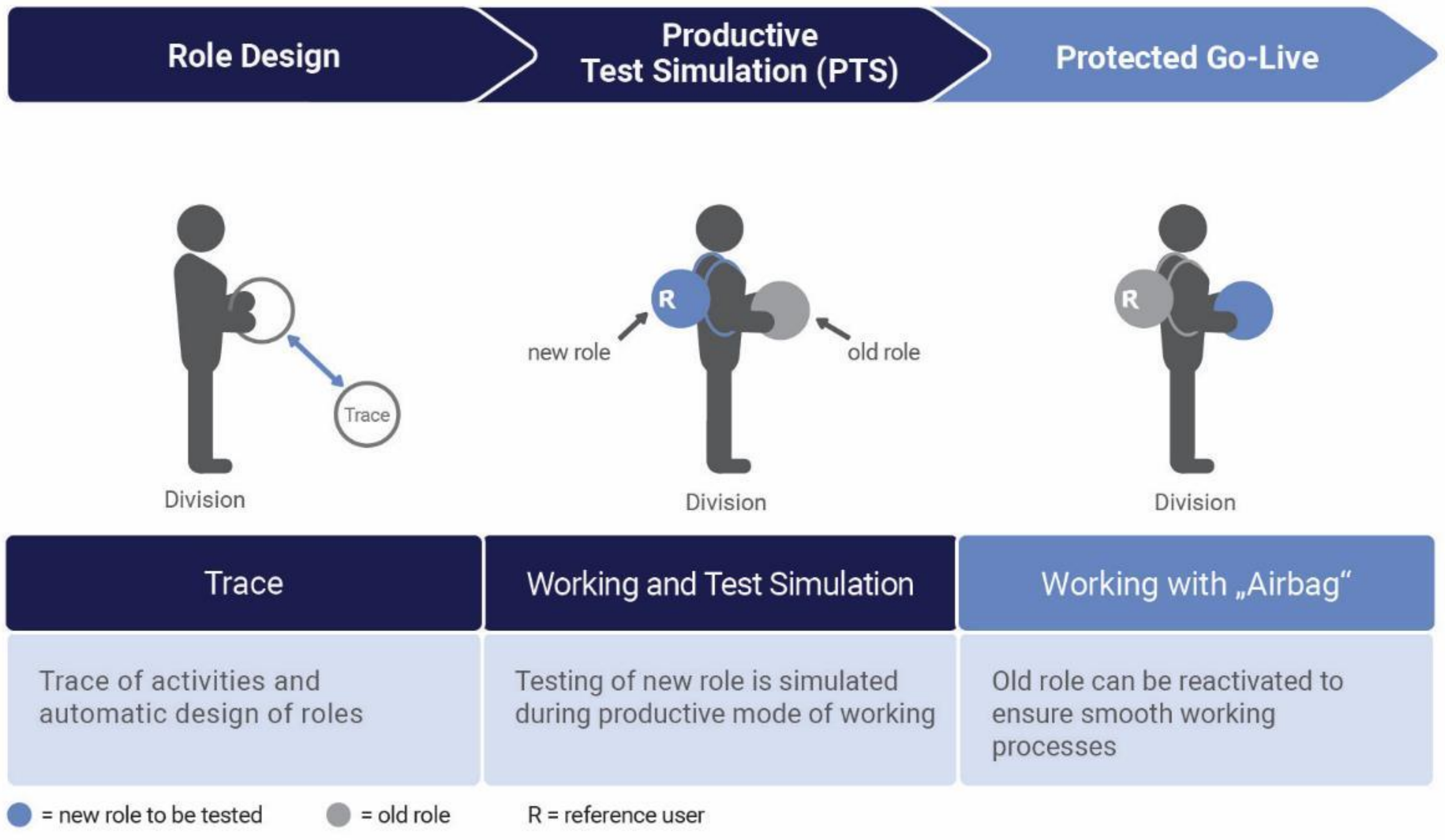
Addressing the challenges

- Productive Test Simulation



Addressing the challenges

- Protected GoLive



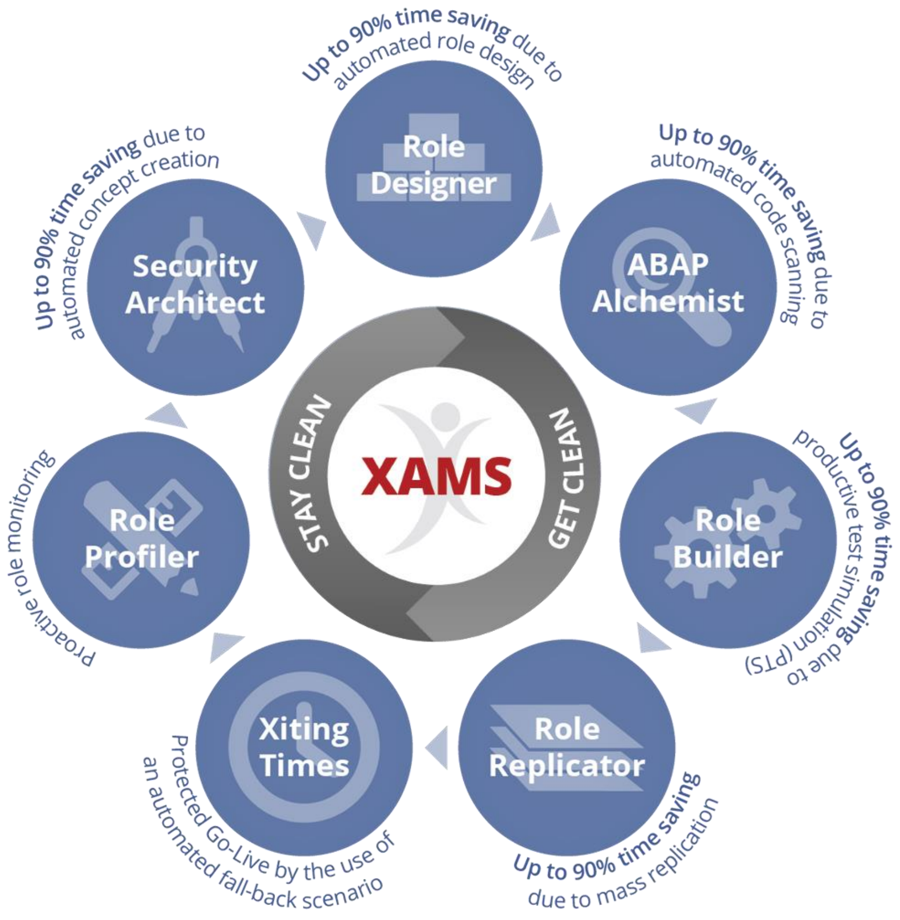
04

Wrap-up

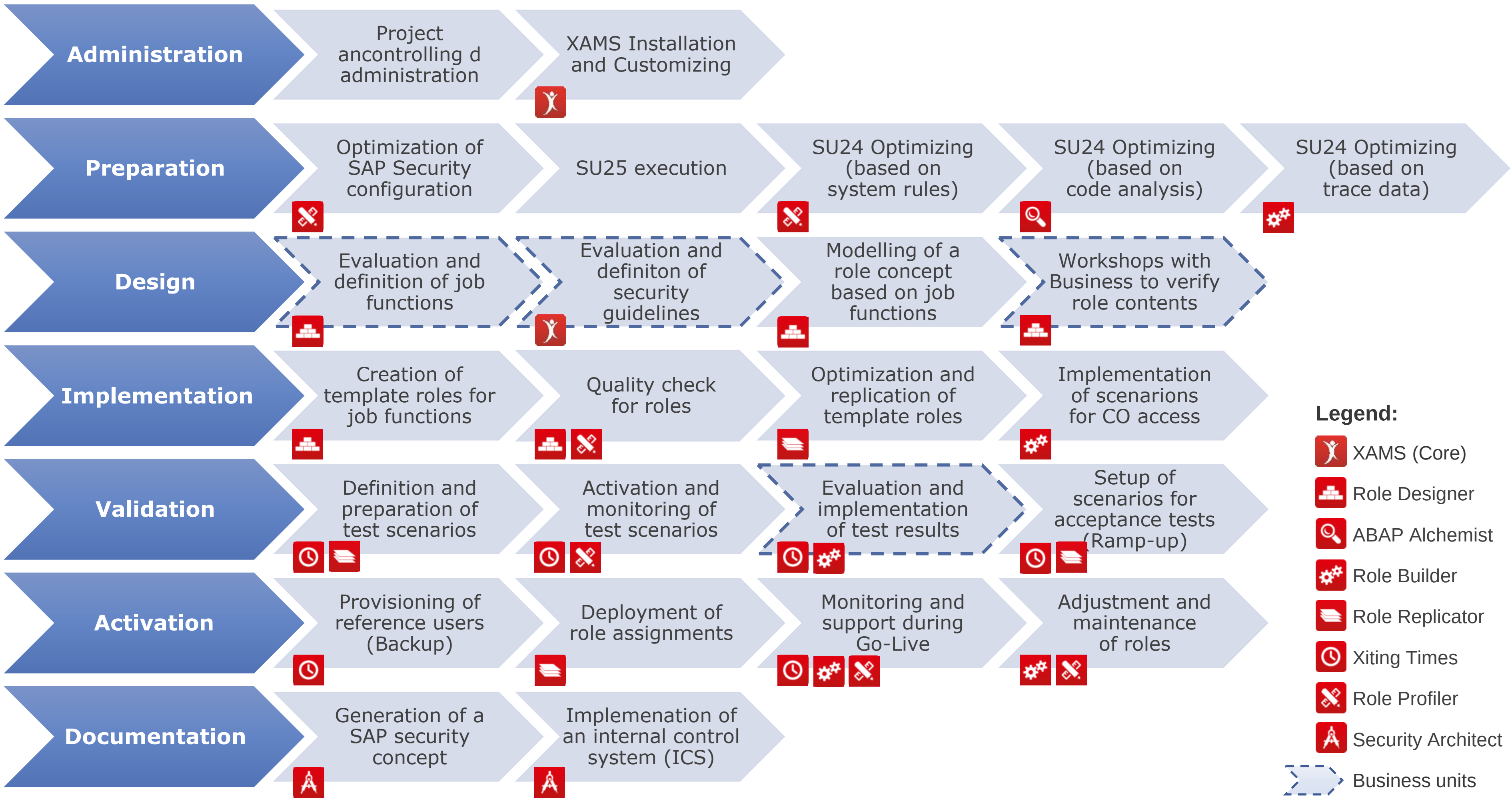
Our solution with Xiting Authorizations Management Suite (XAMS)

The following XAMS modules can support and facilitate a successful role migration to SAP S/4HANA

- **Role Designer**
  Data driven role-design based on historical usage data. Create sustainable authorization concepts, perform a what-if analysis, scan for SoD conflicts during the design phase, and quickly migrate roles to SAP S/4HANA using a virtual role design cockpit.
- **Role Profiler**
  Optimize SU24, identify issues in your existing roles and authorizations, and prevent issues in new roles from entering your production landscape.
- **Role Builder**
  Test new authorizations unnoticed in the production system with the revolutionary Productive Test Simulation (PTS).
- **Xiting Times**
  Eliminate potential risks during the operational transfer of new SAP authorizations with the Protected Go-Live (PGL).



Project phases



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Management reporting

12.6.2 Critical Authorization Objects – User Level

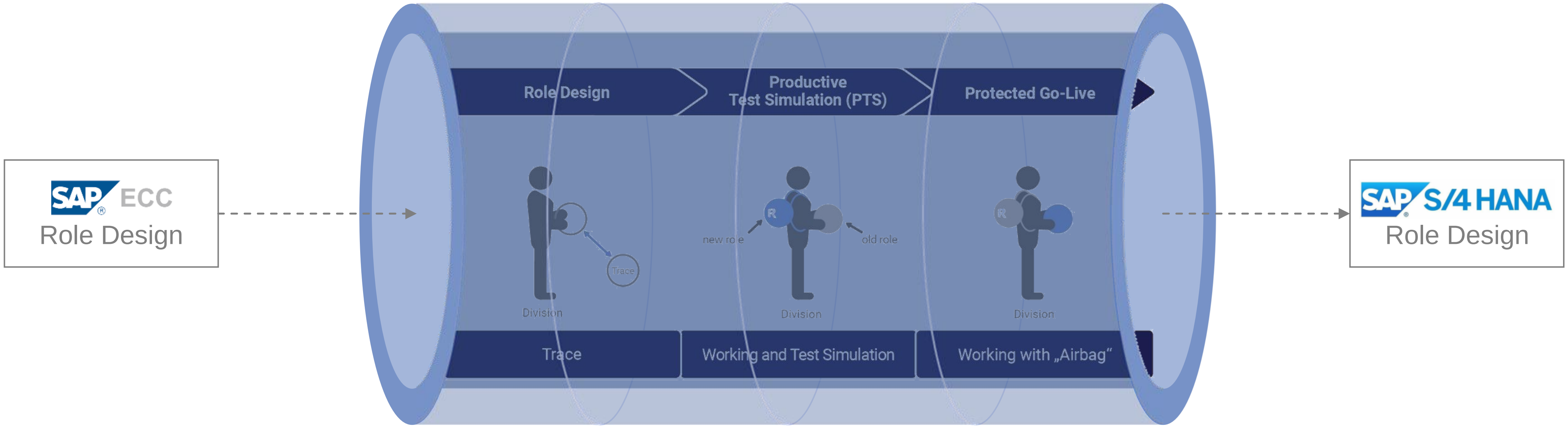
The use and assignment of critical authorization objects to the users is permitted as long as the activities and functions are performed by the users.

Check ID	P	System_Client	Sys-Type	Result	Mitigation	Information
CRIT_AUTH_USR		BWP100	Productive			0 users witch critical authorizations
CRIT_AUTH_USR		ERP100	Productive			37 users witch critical authorizations
CRIT_AUTH_USR		GWP100	Productive			31 users witch critical authorizations
CRIT_AUTH_USR		SCP100	Productive			24 users witch critical authorizations
CRIT_AUTH_USR		SMP100	Productive			18 users witch critical authorizations
CRIT_AUTH_USR		SRP100	Productive			0 users witch critical authorizations

05

Q&A

Q&A


ECC
Role Design
Role Design
Productive
Test Simulation (PTS)
Protected Go-Live
new role
old role
Division
Division
Division
Trace
Working and Test Simulation
Working with „Airbag“
S/4HANA
Role Design

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