

idFlow

Booklet

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1. idFlow:

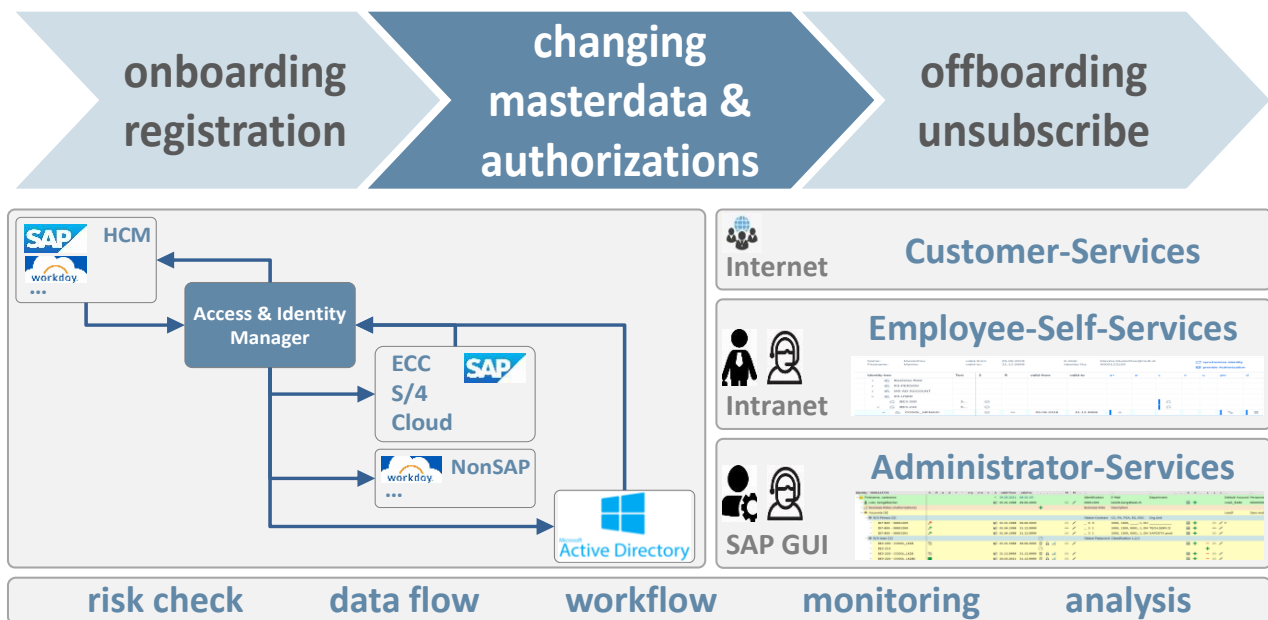
1.A Main

- **idFlow** is used to automate and optimize **user** and **authorization processes**.
- **idFlow** includes all necessary functions for **synchronization, provisioning, workflow, onboarding, change, offboarding** and **risk assessment**.

1.B Unique selling points

- **idFlow** is a highly integrated, all-in-one product. The entire lifecycle of all accounts and authorizations of SAP and non-SAP systems is supported.
- **idFlow** is an SAP add-on **developed in ABAP** and does not require **any additional hardware investments**.
- **idFlow** enables an **unrivalled cost-<-> benefit ratio**.

1.C Big-Picture



Context	Integration of the entire SAP system landscape (SAP R/3, ECC, S/4, Cloud) and also the non-SAP systems)
Event-Recognition (create, change, delete)	Event recognition (create, change, delete) for all connected systems/accounts e.g. <ul style="list-style-type: none"> ■ Real-time processing of an employee entry ■ SAP user deletion due to "unsubscribe" in a webshop ■ Changing the Organizational Assignment of a Personnel Master ■ etc., etc. etc.
Interface-Level	Depending on the function and task, different user interfaces are offered: <ul style="list-style-type: none"> ■ UI5/FIORI via Internet for e.g. Customer ■ UI5/FIORI via intranet for employee self-services ■ SAP GUI for Administrators
risk check	Rule-based analysis and monitoring of SoD risks and emergency access risks
data flow	Rule-based synchronization of master data and authorizations
workflow	<ul style="list-style-type: none"> ■ Rule-based and context-dependent determination of workflow steps and responsibilities ■ E-mail as trigger and workflow input for approve/reject by the responsables
monitoring	Request monitor as workflow inbox and monitoring
analysis	<ul style="list-style-type: none"> ■ In-place analyses (ALV-Grid) for all relevant data ■ InfoCockpit (MS-Excel) for various periodic and ad hoc analyses

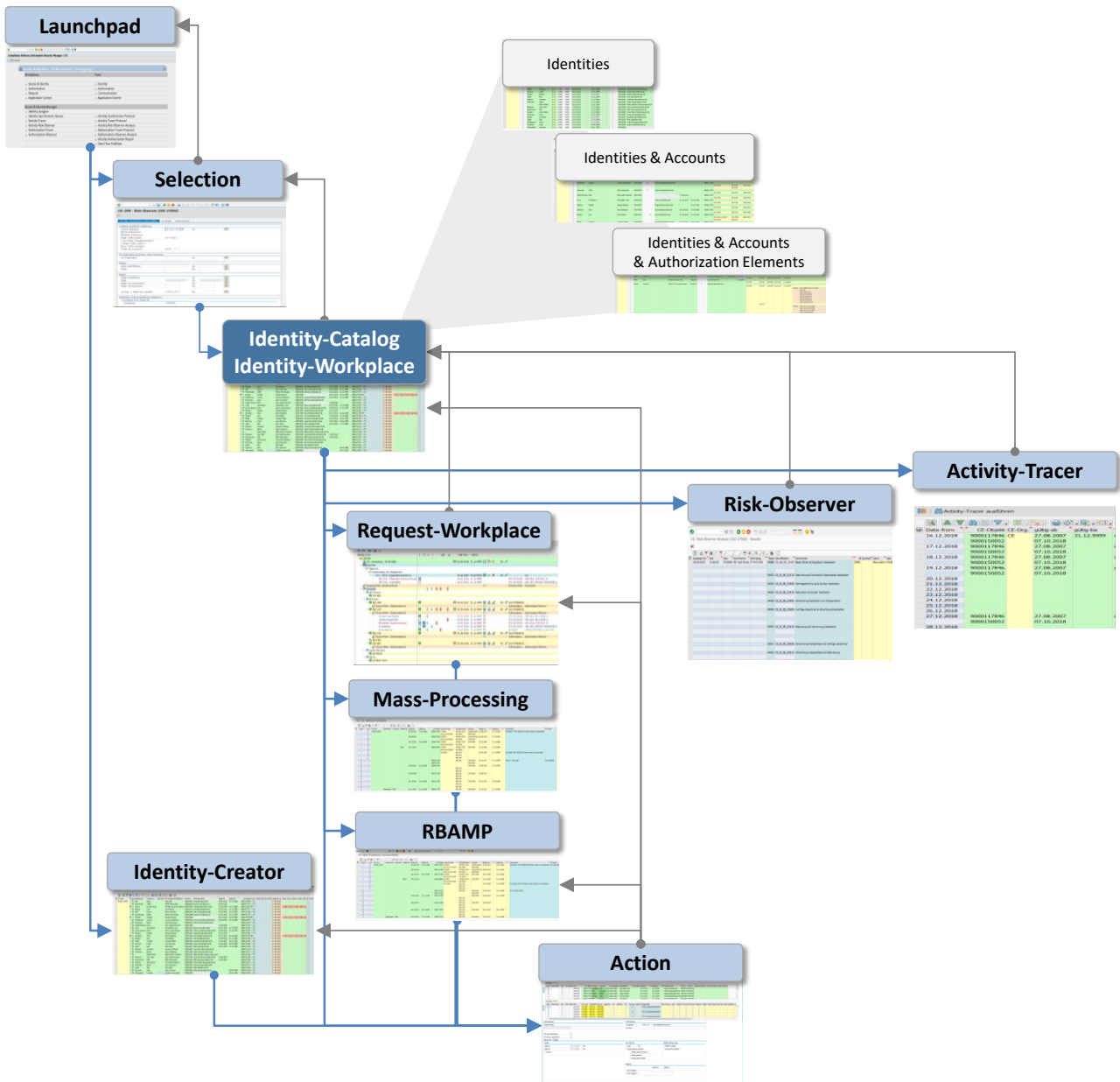
1.D Components

access & identityManager	
Catalog	Management of all Identities & Accounts
Request-Workplaces	Customer-, Employee-, Administrator-Services
Synchronizer	Account-Data-Flow (auto-create, -change)
Provider	Authorization-Provisioning (Defaults, Requests)
RBAMP	Rule-Based-Account-Mass-Processing
SoD-Risk-Observer	too many permissions? (-> revision, etc.)
Activity-Tracer	What activities were carried out?
Authorization-Observer	Too few permissions?
authorizationManager	
Catalog	Management of all authorization elements
SoD-Risk-Observer	too many permissions? (-> revision, etc.)
Optimizer	+ / - : Transactions/applications (used/unused)
Deriver	+ / - / change: Org.-Level of customer organizational units
emergency accessManager	
Request-Workplace	Provisioning Emergency Authorizations
Activity-Risk-Observer	Analysis of critical activities
riskObserver	
ASO, SSO, OSO	access-, system-, operations-security
licenseManager	
Calculator	Calculation and optimisation of licenses

2. access & identityManager

2.A Identity-Workplace (Catalog)

- The identity is used **to link** accounts **belonging to the entire system landscape (SAP and NonSAP)** and to process them together. For example, a software development user and a test user (used by the same person on the same SAP QA system) can be combined in the same identity.
- The Identity Workplace (Catalog) is the **"central hub"** for all identity tasks.
 - Masterdata
 - Request-Workplace (Administrator-Level)
 - Synchronizer
 - Mass-Processing (Dialog)
 - Rule-Based-Account-Mass-Processing (Background und Dialog)
 - SoD-Risk-Observer
 - Activity-Tracer
 - Emergency-Access



2.B Request-Workplaces

The request workplaces are used by the **various user groups** to create their requests. The resulting requests can be **processed** both with and without a workflow.

Customer-Services

- B2C (z.B. Customer-Webshop) -> create/change Account
- B2B (z.B. Reseller-Webshop) -> create/change Account

Employee-Self-Services (UI5 / Fiori)

- Reset Password
- Request User
- Unlock User & set User valid
- + / - Authorizations
- Change Masterdata
- Customer-Specifics

Administrator-Services (SAP-GUI)

- z.B. Mass-Processing, Request-Workplace, Identity-Creator, Identity-Assigner
- Create, Change, Delete
- Lock, Unlock
- +/- Permissions
- ...



Internet

Customer-Services



Intranet

Employee-Self-Services

Name:	Musterfrau	valid from:	05.09.2018	E-Mail:	Maxine.Musterfrau@muff.at							
Firstname:	Maxine	valid to:	31.12.9999	Identity-No:	9000123159							
synchronize Identity provide Authorization												
Identity tree	Text	S	R	valid-from	valid-to	a*	+	c	v	u	pw	d
> Business-Role												
> R3-PERSON												
> MS-AD-ACCOUNT												
> R3-USER												
BE3-200	S...											
BE3-210	S...											
COSOL_MFMANA				05.09.2018	31.12.9999		+					



SAP GUI

Administrator-Services

Firstname, Lastname	Identification	E-Mail	Department
Lutz, Kengelbacher	00001405	lutz28.kengel@stet.ch	
Business Roles (Authorizations)			
Business Role	Description	Status-Contract	CC, PA, PSA, EG, ESG
R3-Person [3]			
ID7-800 - 00001405		0	1000, 1406, ... 1, DU
ID7-800 - 00001500		3	1000, 1300, 0001, 1, DR TECH SERV II
ID7-800 - 00001501		3	1000, 1300, 0001, 1, DR SAPSOTA prod
R3-User [2]			
R3-User	Status Password	Classification	1,2,3
BE3-200 - COSOL_LK2B			
BE3-210			
BE3-220 - COSOL_LK2B			
BE3-220 - COSOL_LK2BK			

2.D Mass-Processing (Dialog)

Bulk processing allows for **simultaneous**, **controlled**, and **logged changes** to n data objects.

The changes can be made to 5 levels:

- Identity
- Link Identity <-> Account
- Account
- Link Account <-> Authorization-Element
- Authorization-Element

	pro	Dialog/Batch
Identity		
Change Identity-Data	Identity	Dialog
Change Identity-CE-Organisation	Identity	Dialog
Link Identity -> Account		
Change Link-Data	Link	Dialog
Delimit Link-Validity	Link	Dialog
Unassign	Link	Dialog
Reassign	Link	Dialog
Account		
Rule-based account-mass-processing	Account	Dialog & Batch
Unlock	Account	Dialog
Lock	Account	Dialog
Create	Account	Dialog
Re-create	Account	Dialog
Delete	Account	Dialog
Set password	Account	Dialog
Link Account -> Authorization-Element		
Change Link-Data	AE	Dialog
+ planned-AE	Account	Dialog
- planned AE	Account	Dialog
+/- planned AE (Default & BR-derivativ	Account	Dialog
+ planned-AE (accept not planned)	AE	Dialog
- planned-AE (accept not actual)	AE	Dialog
Authorization-Element		
Provide AE (set planned -> actual)	AE	Dialog

2.E RBAMP (Background & Dialog)

Rule-Based Account Mass Processing is the counterpart to additive functions such as Identity Creator etc.

The typical tasks are the **subtractive measures** such as **deletion**, **blocking**, **demarcation**, etc.

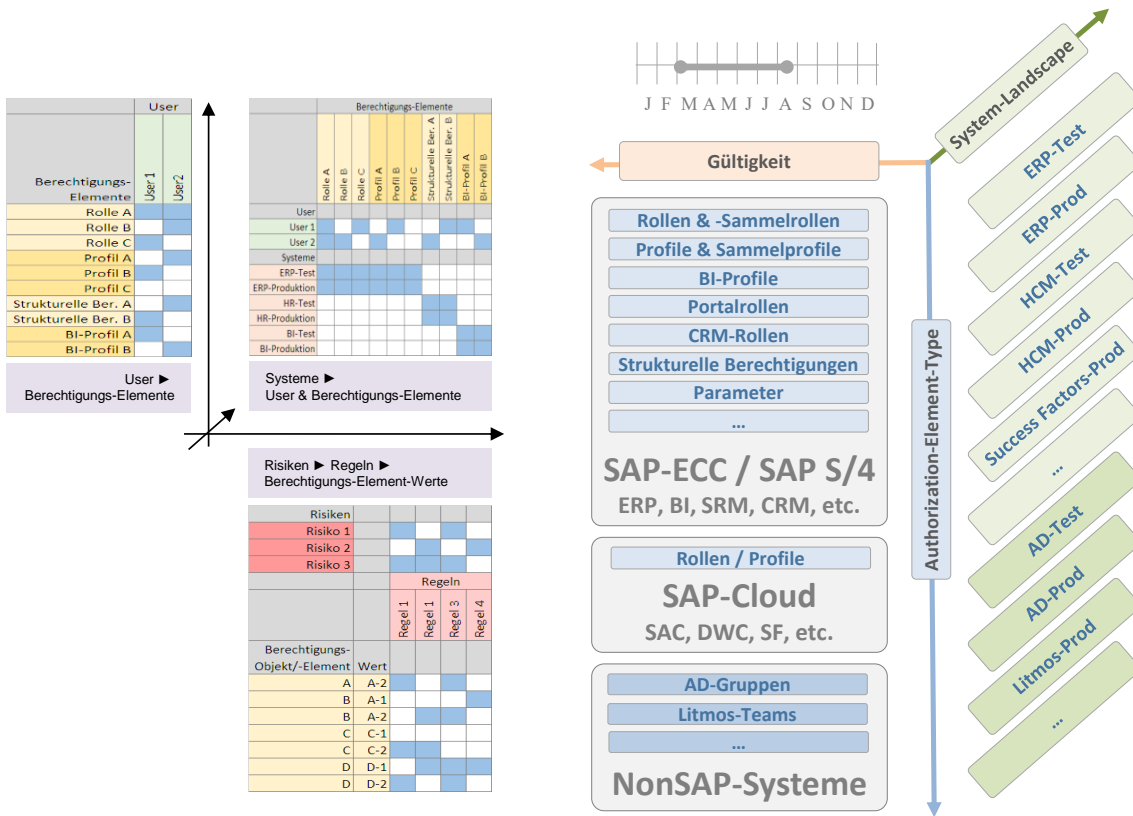
- Konzept & Doku → Excel
- Customizing → Decision table (E96, E97, E98)
- Execution → Dialog & Background
- Protocol → Application-Log, Action-Log, E-Mail an Administrator

	Blacklist	Int.C.O	Int.C.O-ATZ	ext.C.O	Int.GPH	Int.GPD	Int.F.1	Int.F.2	Int.F.3	Int.F.4	Int.F.5	Int.F.6	Int.A.2	Int.A.3	Int.B.2	Int.B.3	Int.Norm	ext.A.3	ext.A.4	ext.B	ext.Norm	A	B	VIM.A	VIM.B	VIM.C	VIM.D	BUP.A.A	BUP.A.B	BUP.A.D
Priorität	5	10	11	12	13	14	21A	21B	21C	21D	21E	21F	24	25	26	27	29	31	32	35	39	91	92	211	212	213	214	221	222	223
Bemerkung																														
Conditions																														
Processing-Step	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Blacklist	Ja				Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein
Account-Type	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User	R3-User
Destination																														
R3-User	auf Destination vorhanden																													
R3-User	in Processing-Step-1 zum delete vorgemerkt																													
last login, (create date)	1500						Nein	Nein	Nein	Nein	Ja	Ja	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein
last login, (create date)	100 - 179	Ja		Ja		Ja	Nein	Nein	Ja	Ja	Nein	Nein	Nein	Ja	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein
last login, (create date)	30 - 99 (oder empty + create-date 30 - 99)						Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein
CE-Organisation	interne, externe, weitere	interne	interne	externe	interne	interne	interne	interne	interne	interne	interne	interne	interne	interne	interne	interne	interne	interne	externe	externe	externe	externe								
Identity-gültig	Ja, nein	Ja	Nein				Ja	Nein	Ja	Nein	Ja	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein
Account-gültig	Ja, nein	Ja	Nein				Ja	Nein	Ja	Nein	Ja	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein	Nein
Unit C-O	Ja, nein	Ja	Ja			Nein							Nein	Nein																
Personalstamm	Ja, nein	Ja	Ja				Nein	Nein	Nein	Nein	Nein	Nein	Ja	Ja	Ja	Ja														
Identity-Status	1=aktiv, 0=inaktiv																													
Employment-Status	0=ausgetreten, 1=ruhend, 2=Rentner, 3=aktiv					3	3						0, 2	0, 2	1	3														
Wiedereintritt	HCM-Wiedereintritt in Zukunft																													
Authorization	R3-ROL-ROLE CP *BANFHREIGABE*																													
Authorization	R3-Role CP *FREIGABE_BANF*																													
Authorization	R3-Role *VIM*																													
Actions																														
R3-User	abgrenzen (Account-ENDDA & E40-ENDDA & E40-fn)			X					X												X									
R3-User	igieren																													
R3-User	löschen																													
R3-User	nichts zu tun 1																													
VIM-User	Delete-Flag (Überschneuerung)	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R3-BUPA	Delete-Flag (Überschneuerung)																													

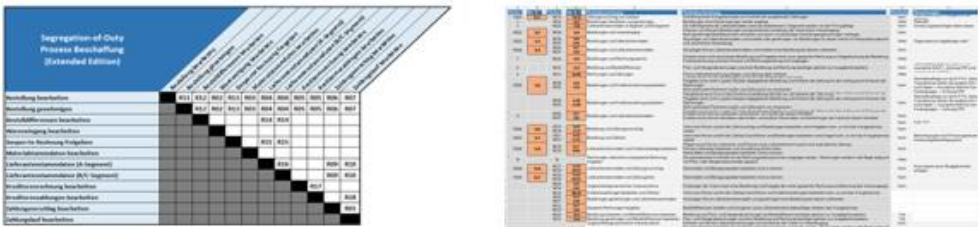
2.F SoD-Risk-Observer (Identity)

By automatically monitoring **the defined risks, the SoD Risk Observer** ensures that the policies are permanently adhered to or that they are **assessed, documented** and **dealt with** in the event of a violation.

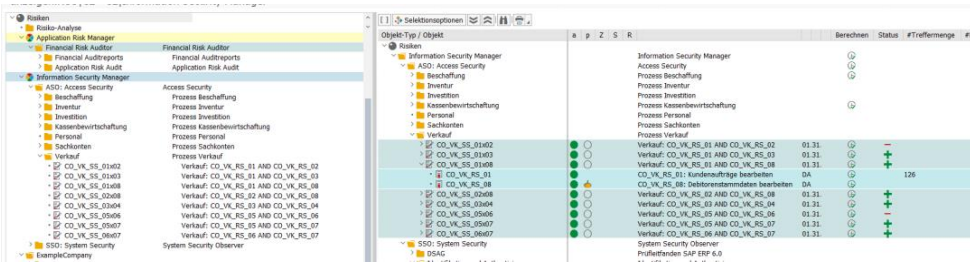
- Test item → **1 Identity**
- Basics → DSAG, SAP-GRC, Revisionshäuser
- Konzept & Doku → Excel
- Customizing → Risk-Organizer
→ Rule-Organizer
- Execution → Dialog & Background
- Protocol → SoD-Analysis
- Mitigation → Formular & Workflow



The rules and risks are documented and can also be used to prove the applied set of rules.



The rule and risks are transparently implemented in the system. They can be extended to customer requirements as well as specifically deactivated.

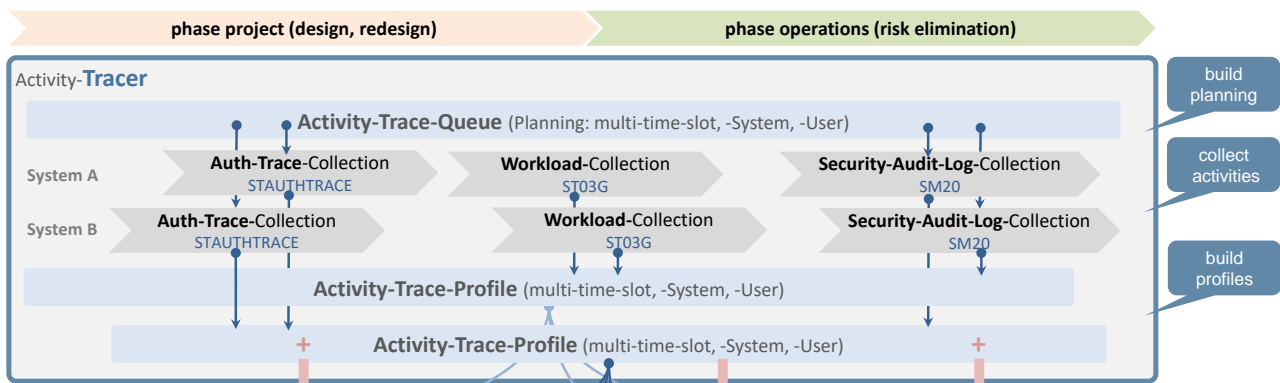


2.G Activity-Tracer

The activity tracer **collects the activities** carried out by an account (e.g. SAP user) in a certain time window. Due to the **three different trace types**, a very good trace accuracy is achieved and e.g. display transactions such as "Display BOM" can also be recorded.

The traces are the basis for further analysis and design work.

- adhoc Traces
 - Emergency Access (Critical Activities?)
- Scheduled Traces
 - Authorization-Designer
 - Authorization-Observer
 - Concept: Excel
 - Customizing: Trace-Queue
- 1 Trace includes:
 - 1 Trace-Typ (Authorization-Trace, Workload, Security-Audit-Log)
 - 1 Account (SAP-User)
 - 1 Destination (SAP-System)
 - 1 day
- n Traces -> 1 Trace-Profile
 - multi-time-slot
 - multi-user
 - multi-system



2.H Authorization-Observer

The task of the Authorization Observer is to identify the **risks** that arise from the design/redesign of authorizations (and can **occur in productive operation**) and to support their elimination.

A distinction must be made between two types of risk:

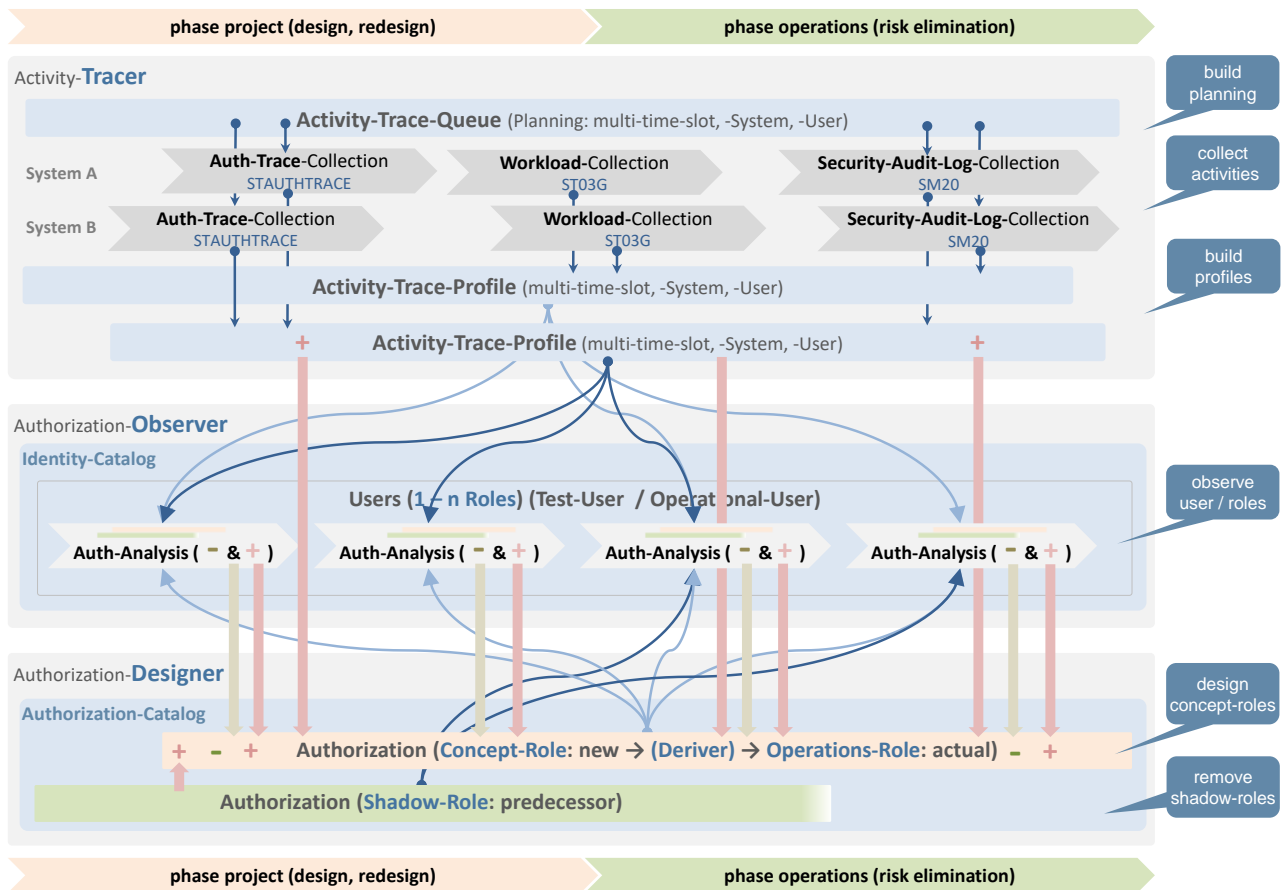
- "too few permissions" -> **Operations-Risk-Eliminator**
-> user cannot work due to lack of permissions!
- "too many permissions" -> **SoD-Risk-Optimizer**
> SoD risks, etc. arise due to unnecessary elements in the permissions

For both types of risk, the analysis principle consists of checking the permissions assigned to an account (e.g. R/3 user) against the collected traces.

- -> **Necessity** (Use) of the **Shadow-Roles** (bisherige Scrolls) -> **Too few permissions**
- -> **Needlessness** (non-use) of **Authorization Elements** -> **too many permissions**

These **analyses** are carried out iteratively, both in the **project phase** (design / redesign) and in the **production phase**. Each analysis cycle leads to an **optimization** of authorizations.

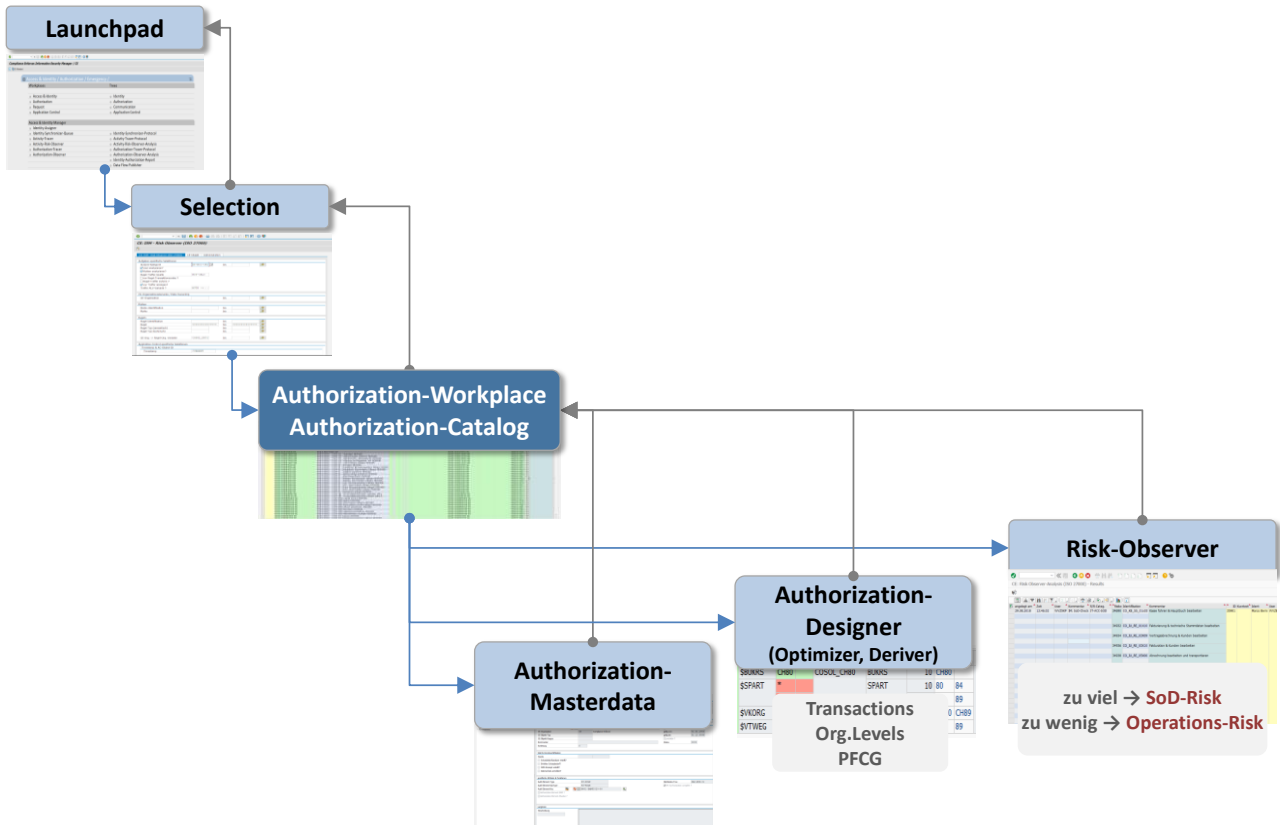
In order to eliminate the operational risks in the production phase, **the user retains his previous roles until these "shadow roles" are no longer necessary**.



3. authorizationManager

3.A Authorization-Workplace (Catalog)

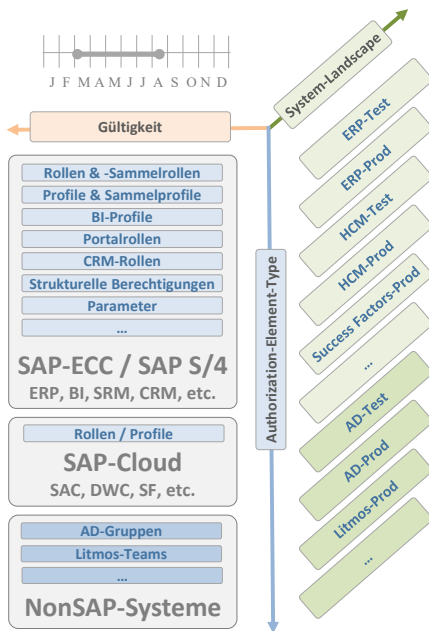
- An authorization is used to provide all relevant application authorizations (e.g., R/3 collective role) with a shell in order to efficiently and effectively support the entire lifecycle of the authorization.
- The Authorization Workplace (Catalog) is the central "hub" for all authorization tasks.
 - Masterdata
 - SoD-Risk-Observer
 - Optimizer
 - Deriver



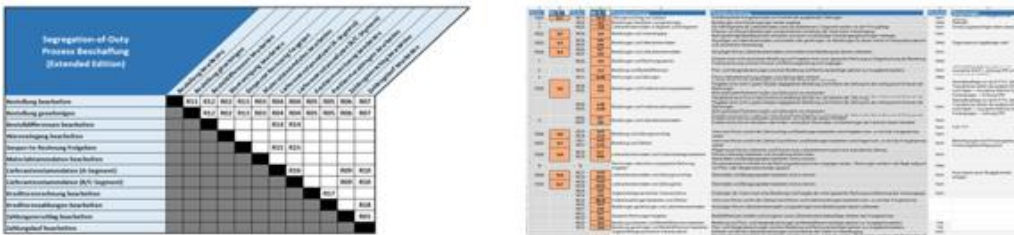
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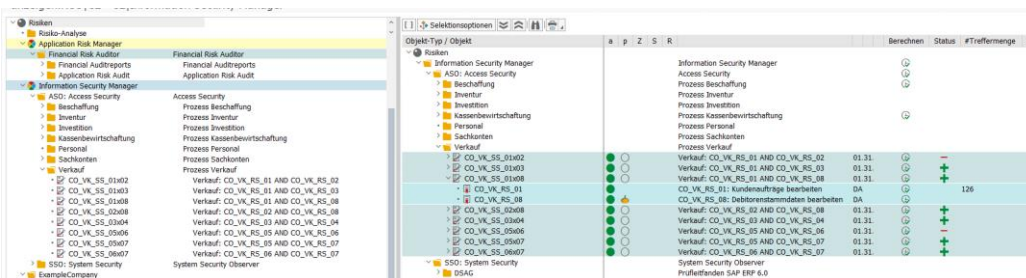
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→ Rule-Organizer
- Execution → Dialog & Background
- Protocol → SoD-Analysis
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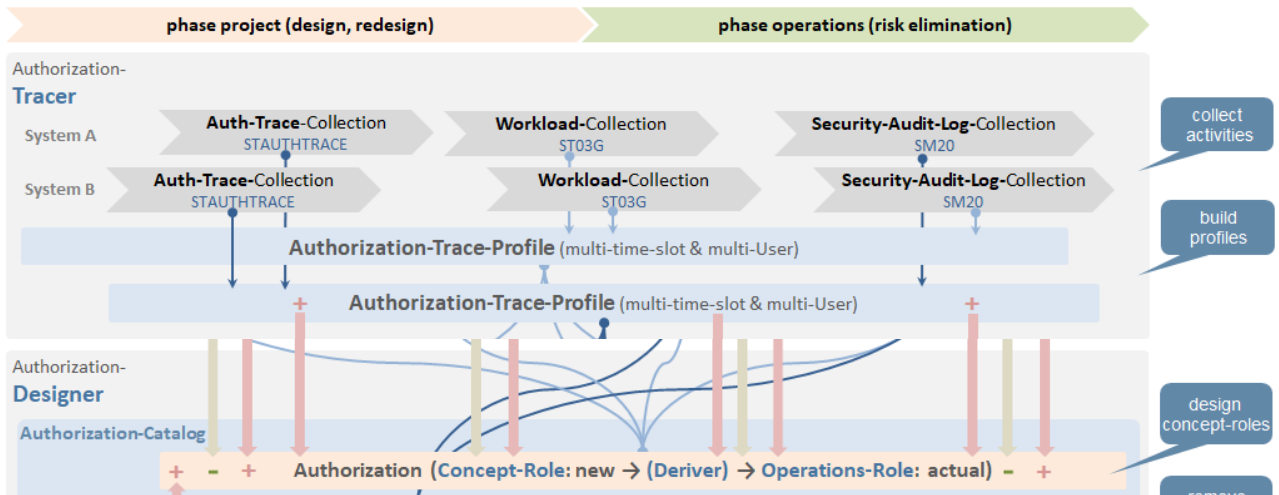


3.C Optimizer

During the design/redesign of an authorization, the optimizer ensures that the **necessary transactions/applications are recognized and integrated into the authorization** .

The target state (number of transactions/applications) is defined by:

- the TR/App collected in the traces
- the manual specifications/definition in the master data of the authorization



The equalizer enables the specific comparison between the traces, the authorization in the catalog and the SAP role.

Authorization-Manager: Transaction-/ Application-Equalizer

remove

from

SAP-Role

Authorization

add

from	-->	to
<input type="checkbox"/> Trace		SAP-Role
<input type="checkbox"/> Authorization		SAP-Role
<input type="checkbox"/> Trace		Authorization
<input type="checkbox"/> SAP-Role		Authorization

generate

Profile

Ableitungen

3.D Deriver

The deriver ensures that the org.levels defined in the authorizations (**derivations from master roles**) correspond to the specifications.

The specifications are defined for each customer organizational unit in Customizing (**Naming Organizer**).

- The target state (values of the Org.Level) is defined in the Naming Organizer.
- The reconciliation in the source systems can be partial or complete.
- The generation in the source systems can be triggered directly.

MQ SAP-Role: Organisation-Level										SAP-Role		Naming-Organizer						
A.E.-Type	Authorization-Element-Key	Obj.Dest.	Authorization-Element-Text	Auth-Element-Master	NO-CE	Col-Role? is inher.? has den.? AE-Group	EAM ?	Shadow	Org. level	Value	Value	NO-CE	NamingObj	Position	Low	High	Active ?	gr
R3-ROLE	MATTN_FL_SACHBEARBEITER1	111_001	MAT-TN-Fl Sachbearbeiter 1	REFER_FL_SACHBEARBEITER1	MATTN				SEURKS	20		MATTN	BUKRS	10	0020		✓	DL
									EDISPO	000 100			DESPO	10	*		✓	
										200 999				10	*		✓	
										A* Z*				10	*		✓	
									SEKORP	*			EKORP	10	A* Z*		✓	
										*				20	102 999		✓	
									SEKORG	2001			EKORG	10	2001 999		✓	
										1001				20	9999		✓	
										9999				20	9999		✓	
									SEKRS	0002			ERKRS	10	0002		✓	
									GSBER	*			GSBER	10	*		✓	
									SKBER	20			KBER	10	0020		✓	
										*				10	0020		✓	
									SKOART	*			KOART	10	*		✓	
									SKOKRS	2			KOKRS	10	2		✓	
									SLGNUM	*			LGNUM	10	*		✓	
									SLOTYP	*			LGTYP	10	*		✓	
									SPERSA	*			PERSA	10	0020		✓	
									PLVAR	*			PLVAR	10	*		✓	
									PRCTR	*			PRCTR	10	*		✓	
									SRCOMP	MATTN			RCOMP	10	MATTN		✓	
										MATTN				10	MATTN		✓	
									SSPART	*			SACHZ	10	*		✓	
									STPLST	*			TPST	10	*		✓	
									SVKUR	*			VKUR	10	*		✓	
									SVKGRP	*			VKGRP	10	*		✓	
									SVKORG	2000			VKORG	10	2000		✓	
										1000				10	2000		✓	
									SVSTEL	1400 1499			VSTEL	10	1400 1499		✓	
										1400 1499				20	2001		✓	
									SVTWEG	*			VTWEG	10	*		✓	
									SVWERKS	14			WERKS	10	0014		✓	
										2				20	0020		✓	

NO-CE	Naming-Object	Comment	OrgLevVar	Comment	Language	Short text	Position	Sign (L,E)	Option	Low	High	Comment
MATTN	ARBPL	Arbeitsplatz	\$ARBPL	Arbeitsplatz			10	I	EQ	*		Arbeitsplatz
	BKRS	Bankkreis	\$BKRS	Bankkreis			1	I	EQ	*		Bankkreis
	BUKRS	Buchungskreis	\$BUKRS	Buchungskreis			1	I	EQ	0020		Buchungskreis
	BUNIT	Konsolidierungseinheit	\$BUNIT	Konsolidierungseinheit			1	I	EQ	*		Konsolidierungseinheit
	BWKEY	Bewertungskreis	\$BWKEY	Bewertungskreis			1	I	EQ	*		Bewertungskreis
	CFASPET	Aspekt	\$CFASPET	Aspekt			1	I	EQ	*		Aspekt
	CONDAREA	Konditionskreis	\$CONDAREA	Konditionskreis			1	I	EQ	*		Konditionskreis
	CONGR	Konsolidierungskreis	\$CONGR	Konsolidierungskreis			1	I	EQ	*		Konsolidierungskreis
	DIMEN	Sicht	\$DIMEN	Sicht			1	I	EQ	*		Sicht
	DISPO	Disponent	\$DISPO	Daponent			1	I	EQ	*		Disponent
	EKGRP	Einkaufsgruppe	\$EKGRP	Einkaufsgruppe			1	I	BT	A* Z*		Einkaufsgruppe
							20	I	EQ	102 999		Einkaufsgruppe
	EKORG	Einkaufsorganisation	\$EKORG	Einkaufsorganisation			10	I	EQ	2001		Einkaufsorganisation
							20	I	EQ	9999		Einkaufsorganisation
	ERKRS	Ergebnisbereich	\$ERKRS	Ergebnisbereich			10	I	EQ	0002		Ergebnisbereich
	FM_FIKRS	Finanzkreis	\$FIKRS	Finanzkreis			1	I	EQ	0002		Finanzkreis
	GSBER	Geschäftsbereich	\$GSBER	Geschäftsbereich			1	I	EQ	*		Geschäftsbereich
	IWERK	Instandhaltungsplanungswerk	\$IWERK	Instandhaltungsplanungswerk			1	I	EQ	0014		Instandhaltungsplanungswerk
	KKBER	Kreditkontrollbereich	\$KKBER	Kreditkontrollbereich			1	I	EQ	0020		Kreditkontrollbereich
	KOART	Kontoart	\$KOART	Kontoart			1	I	EQ	*		Kontoart
	KOKRS	Kostenrechnungskreis	\$KOKRS	Kostenrechnungskreis			1	I	EQ	2		Kostenrechnungskreis
	LGNUM	Lagernummer/Lagerkomplex	\$LGNUM	Lagernummer/Lagerkomplex			1	I	EQ	*		Lagernummer/Lagerkomplex
	LGTYP	Lagertyp	\$LGTYP	Lagertyp			1	I	EQ	*		Lagertyp
	LTRM_LOCAT	Standort	\$LTRM_LOCAT	Standort			1	I	EQ	*		Standort
	NO_SAP-ROLE	SAP-Role		SAP-Role			1	I	CP	MATTN_*		SAP-Role (Ownership-Detection)
							20	I	CP	MATTN_*		SAP-Role (Ownership-Detection)
	PERSA	Personabereich	\$PERSA	Personabereich			10	I	EQ	0020		Personabereich
	PLVAR	Planvariante	\$PLVAR	Planvariante			1	I	EQ	*		Planvariante
	PRCTR	Profit Center	\$PRCTR	Profit Center			1	I	EQ	*		Profit Center
	RCOMP	Gesellschaft	\$RCOMP	Gesellschaft			1	I	EQ	MATTN		Gesellschaft
	SACHZ	Sachbearbeiter für Zeterfassung	\$SPART	Sachbearbeiter für Zeterfassung			1	I	EQ	*		Sachbearbeiter für Zeterfassung
	SBMOD	Sachbearbeitergruppe	\$SBMOD	Sachbearbeitergruppe			1	I	EQ	*		Sachbearbeitergruppe
	SPART	Sparte	\$SPART	Sparte			1	I	EQ	*		Sparte
	SWERK	Standortwerk	\$SWERK	Standortwerk			1	I	EQ	0014		Standortwerk
	TPST	Transportpoststelle	\$TPST	Transportpoststelle			1	I	EQ	*		Transportpoststelle
	VKUR	Verkaufsbüro	\$VKUR	Verkaufsbüro			1	I	EQ	*		Verkaufsbüro
	VKGRP	Verkaufersgruppe	\$VKGRP	Verkaufersgruppe			1	I	EQ	*		Verkaufersgruppe
	VKORG	Verkaufsorganisation	\$VKORG	Verkaufsorganisation			1	I	EQ	2000		Verkaufsorganisation
	VSTEL	Versandstele	\$VSTEL	Versandstele			1	I	BT	1400 1499		Versandstele
							20	I	EQ	2001		Versandstele
	VTWEG	Vertriebsweg	\$VTWEG	Vertriebsweg			10	I	EQ	*		Vertriebsweg
	WERKS	Werk	\$WERKS	Werk			1	I	EQ	0014		Werk
							20	I	EQ	0020		Werk
	WKSET	Kurspflege: Arbeitsvorrat	\$WKSET	Kurspflege: Arbeitsvorrat			10	I	EQ	SAE		Kurspflege: Arbeitsvorrat

4. emergency accessManager

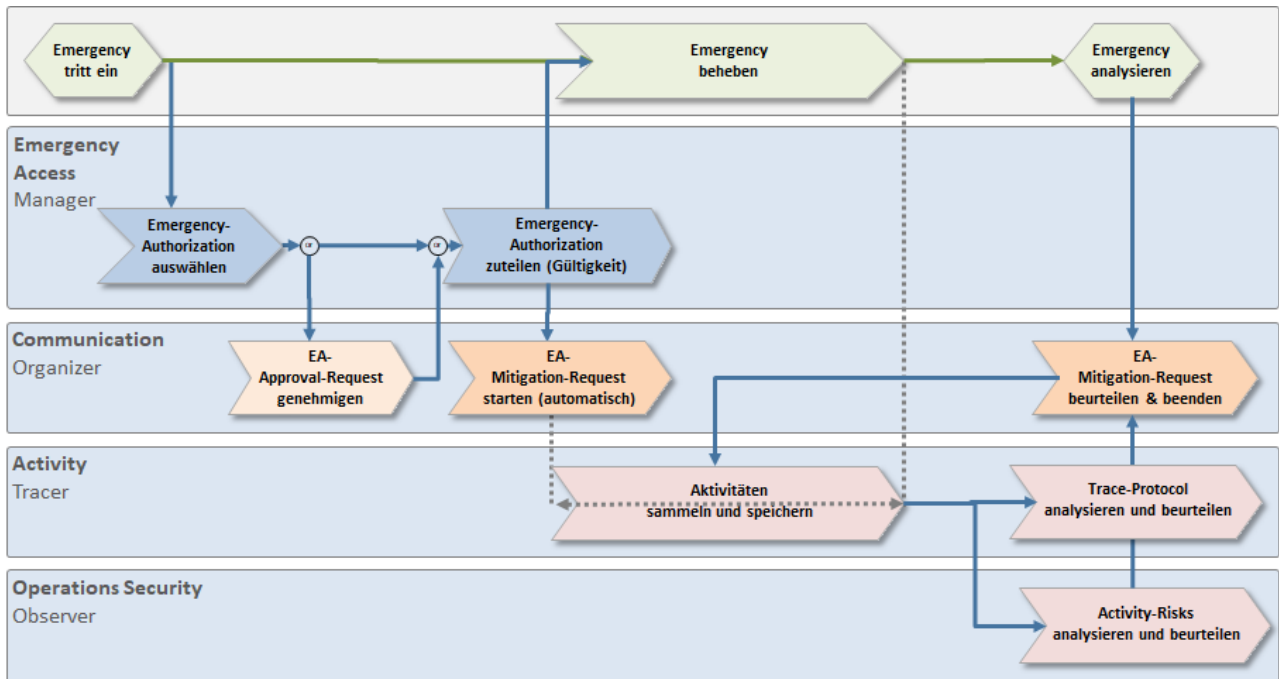
The emergency accessmanager (EAM) allows you to assign "emergency permissions" and monitor the activities that have been carried out during the "emergency period".

The EAM is fully integrated into the various idFlow components.

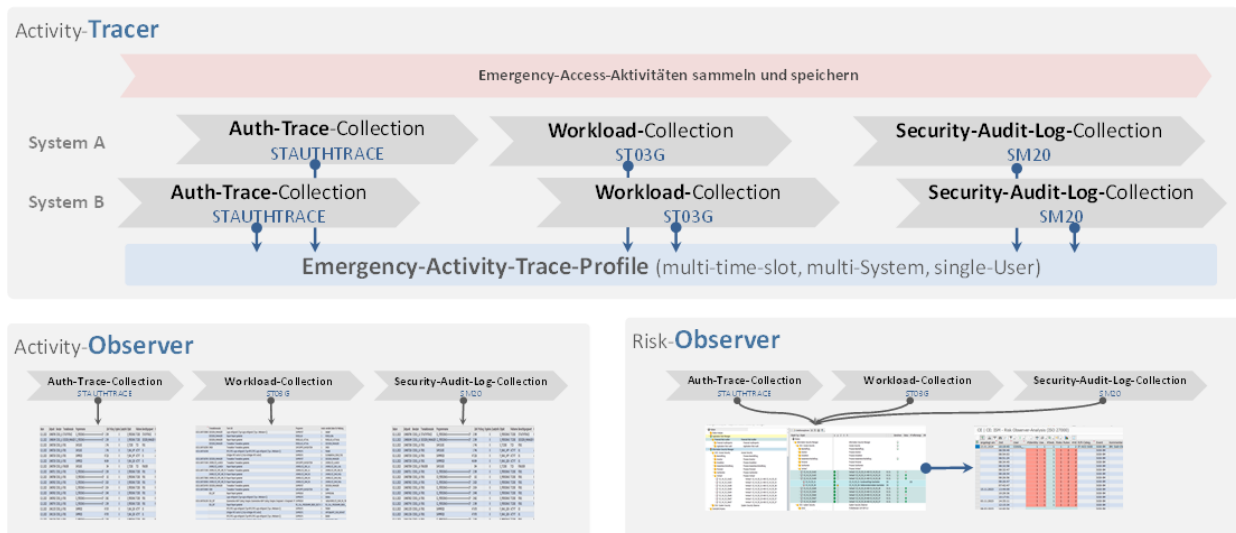
4.A Request-Workplace

Request with / without approval workflow

- Self-Service (Intranet)
- Admin-Services (SAP GUI)



4.B Activity-Risk-Observer



- manuelle Überwachung der Activities

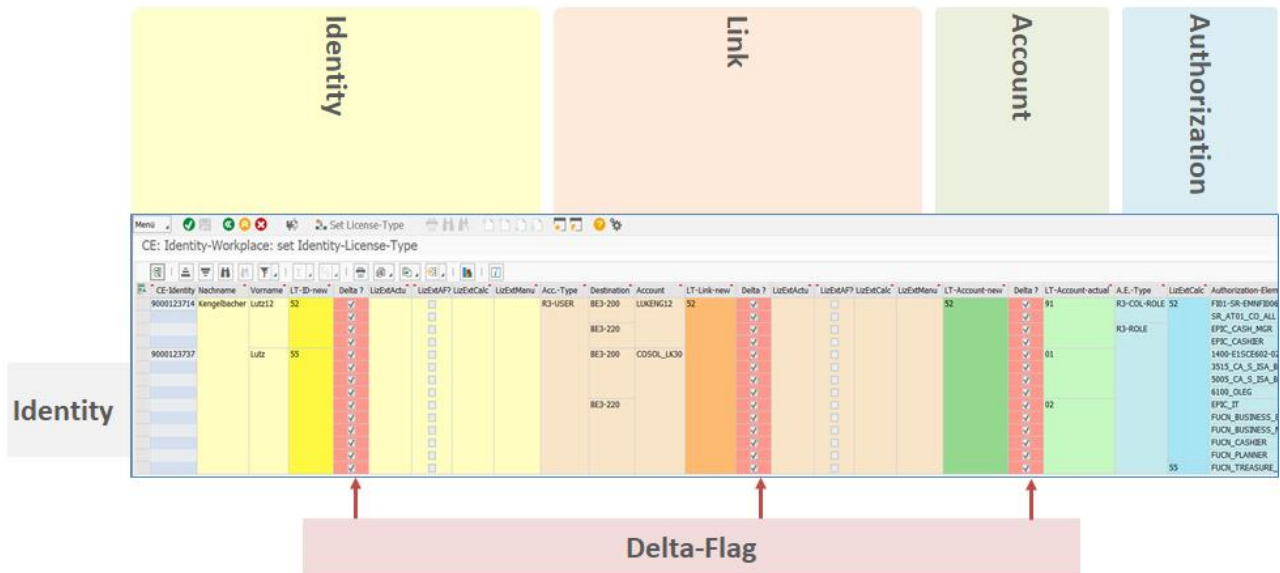
- definierte Risiken
- automatisierte Überwachung der Activities

5. licenseManager

The licenseManager **calculates** the license type to be applied **for each Identity & Account**.

5.A Calculator

- A distinction is made between an "internal license type" (e.g., for internal activity allocation) and an "external license type" (e.g., for license measurement by SAP).
- The license type is determined or set manually based on the permissions assigned to the respective account or other measurable criteria.
- Inheritance to the level identity is based on the customer-specific set of rules.

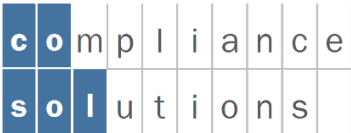


5.B DB-Update

- Both the calculated license type and a manually determined license type can be saved in the accounting-relevant attributes.

The screenshot shows a window titled 'BE3(1)/200 CE: Compliance Enforcer' with a table of update options. The table is organized into sections for Action-Log, Identity, Link, and Account. Each section has columns for 'aktuell', 'fix', 'kalkuliert', 'manuell neu', and 'manuell'. Checkmarks indicate which options are selected.

Section	aktuell	fix	kalkuliert	manuell neu	manuell
Action-Log					
Identity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Link	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Account	<input checked="" type="checkbox"/>				



cosol GmbH
Vogelherdstrasse 21
CH-9016 St.Gallen
info@cosol.ch
www.cosol.ch