

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

idFlow

Handbook Application

| | |
|-----------------|---------------------|
| Version | 22.12.2022 |
| Status | freigegeben |
| Klassifizierung | nicht klassifiziert |

Inhaltsverzeichnis

| | |
|--|-----------|
| 1. idFlow: Big Picture | 4 |
| 1.A Process automation | 4 |
| 1.B Business Functions | 5 |
| 1.C Documentation Model | 6 |
| 1.D Referenced documents | 6 |
| 1.E Navigation | 7 |
| 1.E.1 Identity | 7 |
| 1.E.2 Authorization | 7 |
| 1.F Terms | 8 |
| 1.G user-specific individualization | 10 |
| 1.G.1 Scenario, | 10 |
| 1.G.2 cursor parameter | 10 |
| 2. Access & Identity Manager (AIM) | 11 |
| 2.A Big Picture | 11 |
| 2.A.1 Lifecycle Management | 11 |
| 2.A.2 Synchronization & Provisioning | 11 |
| 2.B Navigation & Business Functions | 12 |
| 2.C idFlow: Launchpad | 13 |
| 2.D Identity Workplace Selection | 13 |
| 2.D.1 Data retrieval | 13 |
| 2.D.2 Level of detail of the hit list | 13 |
| 2.D.3 Identity-specific attributes | 14 |
| 2.D.4 Mitigation & Approval | 14 |
| 2.D.5 Identity Status | 14 |
| 2.D.6 Account-specific attributes | 14 |
| 2.D.7 Other Identity Attributes | 15 |
| 2.D.8 Validity | 15 |
| 2.E Identity Workplace | 16 |
| 2.E.1 Hit list: Identities | 16 |
| 2.E.2 Results List: Identities & Accounts | 16 |
| 2.E.3 Results List: Identities & Accounts & Authorization Elements | 16 |
| 2.E.4 CE Action Level | 17 |
| 2.E.5 Identity Status | 17 |
| 2.E.6 Identity Functions | 18 |
| 2.E.6.a Pushbuttons | 18 |
| 2.E.6.b Menu | 19 |
| 2.F Request Workplace | 20 |
| 2.F.1 Big Picture | 20 |
| 2.F.2 Information & Actions | 20 |
| 2.F.3 Info area (Request Workplace) | 21 |
| 2.F.4 Action area (Request-Workplace) | 21 |
| 2.F.5 Action | 22 |
| 2.F.6 Navigation | 22 |
| 2.F.6.a Big picture: User input | 23 |
| 2.F.6.b Action: create Account | 24 |
| 2.F.6.c Action: + Authorization | 25 |
| 2.G Mass Processing | 27 |
| 2.G.1.a Identity | 27 |
| 2.G.1.b Link Identity -> Account | 28 |
| 2.G.1.c Account | 29 |
| 2.G.1.d Link Account -> Authorization Element | 31 |
| 2.G.1.e Authorization Element | 32 |
| 2.H Identity Creator | 33 |
| 2.H.1 Tasks | 33 |
| 2.H.2 Big Picture | 33 |
| 2.H.3 Identity Creator Functions | 34 |
| 2.H.3.a Pushbuttons | 34 |
| 2.H.3.b Upload Excel -> SAP | 34 |
| 2.H.3.c Get Identity-No. | 36 |

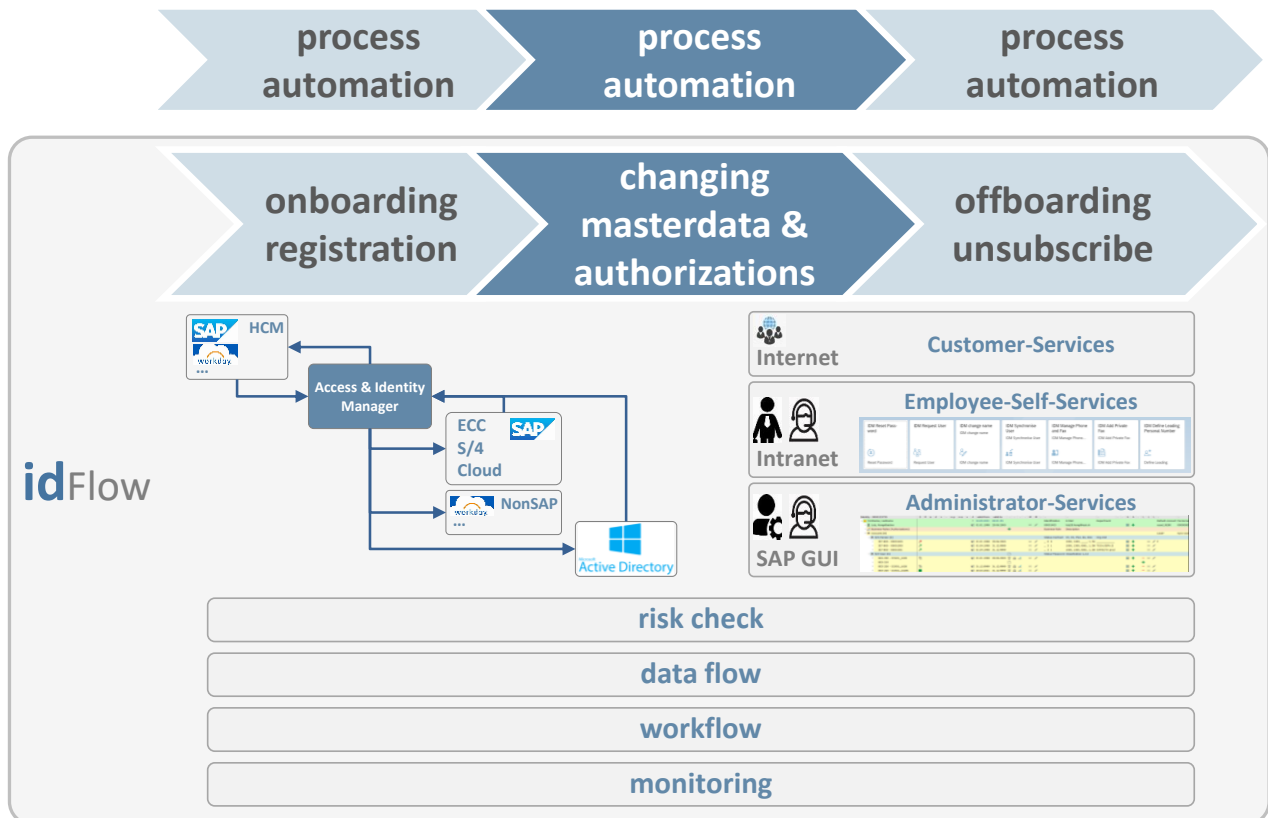
| | | |
|-----------|---|-----------|
| 2.H.3.d | Set Identity-No. | 37 |
| 2.H.3.e | + Identity..... | 38 |
| 2.H.3.f | + Account-new..... | 38 |
| 2.H.3.g | + AE | 39 |
| 2.H.3.h | Create, assign, add, provide..... | 39 |
| 2.I | Request & Workflow | 40 |
| 2.I.1 | Request Monitor..... | 40 |
| 2.I.1.a | Selection screen | 40 |
| 2.I.1.b | Big Picture..... | 40 |
| 2.I.1.c | Request Functions..... | 40 |
| 2.I.2 | Outlook (as request inbox)..... | 41 |
| 2.I.2.a | E-Mail as Request -> Responsible -> for Approval / Reject | 41 |
| 2.I.2.b | E-mail as info (e.g.) -> Account at create-Account | 41 |
| 2.J | Identity-Assigner | 42 |
| 2.J.1 | Navigation | 42 |
| 2.J.2 | Big Picture | 42 |
| 2.J.3 | Selection screen..... | 43 |
| 2.J.4 | Pushbuttons..... | 43 |
| 2.K | License Manager | 44 |
| 2.K.1 | Big Picture | 44 |
| 2.K.2 | DB Update..... | 44 |
| 3. | Authorization Manager (AM)..... | 45 |
| 3.A | Authorization Workplace..... | 45 |
| 3.A.1 | Selection screen | 45 |
| 3.A.2 | Big Picture | 45 |
| 3.A.2.a | Meaning of icons/statuses..... | 45 |
| 4. | Emergency Access Manager (EAM) | 46 |
| 4.A | Main..... | 46 |
| 4.B | Highlights..... | 46 |
| 4.C | Process..... | 46 |
| 4.D | Collect emergency activities | 47 |
| 4.E | Automated evaluation of emergency activities..... | 47 |
| 4.F | Operations Security Observer (Risk Observer) | 48 |
| 4.G | Process..... | 49 |
| 4.G.1 | (1A) Select and assign emergency authorization | 49 |
| 4.G.1.a | (1B) Validate | 49 |
| 4.G.1.b | (1C) Provisioning / Entering comments..... | 49 |
| 4.G.2 | (2) Activity tracer | 50 |
| 4.G.2.a | Perform activity tracers | 50 |
| 4.G.2.b | (3A) Analyze activity tracer log..... | 51 |
| 5. | Risk Observer (RO) | 53 |
| 5.A | Periodic SoD testing..... | 53 |
| 5.A.1 | Perform an Identity SoD check..... | 53 |
| 5.A.1.a | Access & Identity Workplace | 53 |
| 5.A.1.b | Perform selections | 53 |
| 5.A.1.c | Background Processing -> Job Scheduling | 54 |
| 5.A.1.d | Dialog Processing..... | 55 |
| 5.A.2 | Analyze Identity SoD Check Result | 56 |
| 5.A.2.a | Access & Identity Workplace | 56 |
| 5.A.2.b | Perform selections | 56 |
| 5.A.2.c | Select Identities | 56 |
| 5.A.2.d | Call SoD Risk Analysis | 57 |
| 5.A.2.e | Publish SoD mitigation form | 58 |
| 5.A.3 | Mitigating SoD requests (risks) | 59 |
| 5.A.3.a | Access & Identity Workplace | 59 |
| 5.A.3.b | Perform selections | 59 |
| 5.A.3.c | Select Identities | 59 |
| 5.A.3.d | Select risks | 59 |
| 6. | Application Control Workplace (AC) | 61 |
| 6.A | Selection screen | 61 |
| 6.B | Big Picture | 61 |

1. idFlow: Big Picture

idFlow:

- serves to automate IT processes.
- focuses on users and permissions.
- includes all necessary functions for synchronization, provisioning, workflow and risk assessment.
- out-of-the-box would provide the necessary tools to meet internal and external policies.

1.A Process automation

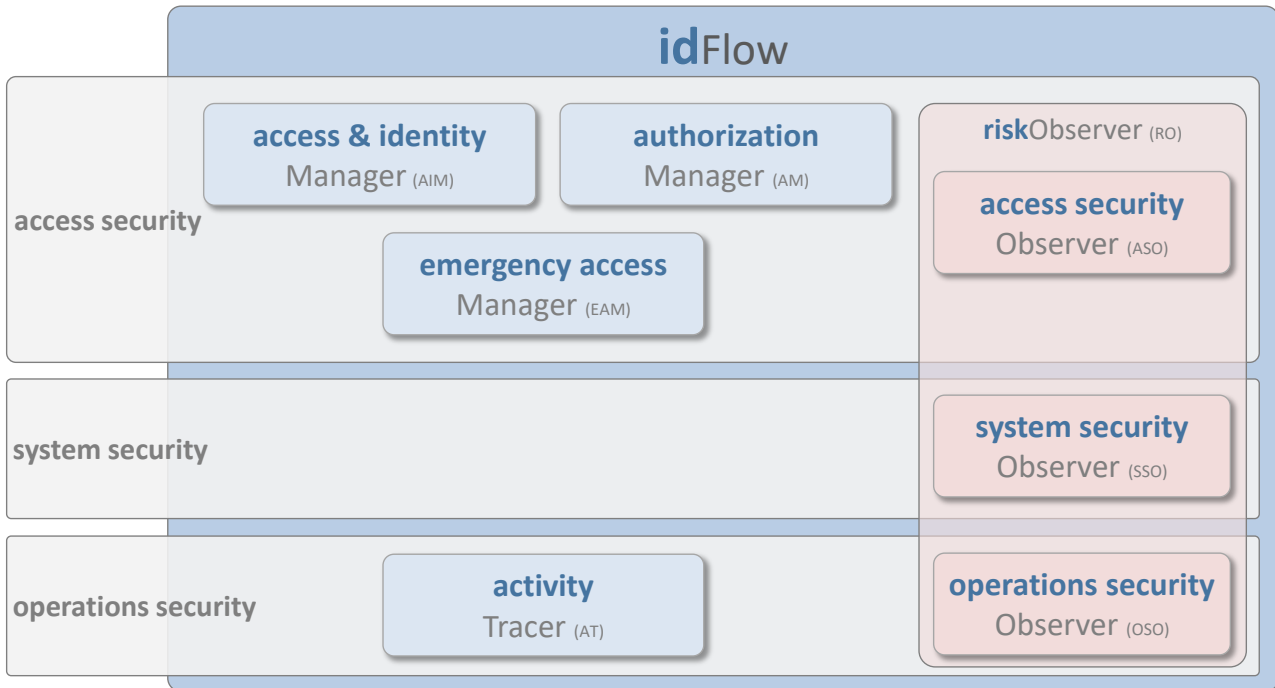


Legend:

| | |
|--|---|
| Context | Integration of the entire SAP system landscape (SAP R/3, ECC, S/4, Cloud) and also the NonSAP 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 an "unsubscribe in a web shop" |
| Interface Level | Depending on the function and task, different user interfaces are used. <ul style="list-style-type: none"> ■ Fiori via Internet for e.g. Customer ■ 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 masterdata and authorizations |
| Workflow | Rule-based and context-dependent determination of workflow steps and responsibilities |
| 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-Power B) for periodic and adhoc analyses |

1.B Business Functions

idFlow: includes various business functions that can be used both highly integrated and stand-alone.



Legend:

| | |
|--------|---|
| AIM | Identity Lifecycle and Authorization Provisioning |
| On the | Authorization lifecycle and derivation of organization-specific roles |
| EAM | Emergency authorization provisioning and analysis of the activities carried out |
| AT | Collection and analysis of user and system activities carried out |
| ASO | Analysis and monitoring of access and segregation of duties risks |
| SSO | Analysis and monitoring of system risks |
| OSO | Analysis and monitoring of risks arising from operations |

1.C Documentation Model

| | | | |
|------------|---|---|---|
| | Nutzung | Betrieb & Support | Change |
| Handbuch | Applikation | Betrieb & Support | Customizing & Development |
| Zielgruppe | - Anwender | - Administrator - Support | - Administrator - Entwickler |
| Inhalt | - Navigation - Oberflächen - Funktionen | - Betrieb - Support - Aufgaben & Prozesse | - Customizing - Dataload - Testing - DB-Modell |
| Customer | | | |
| cosol | | | |

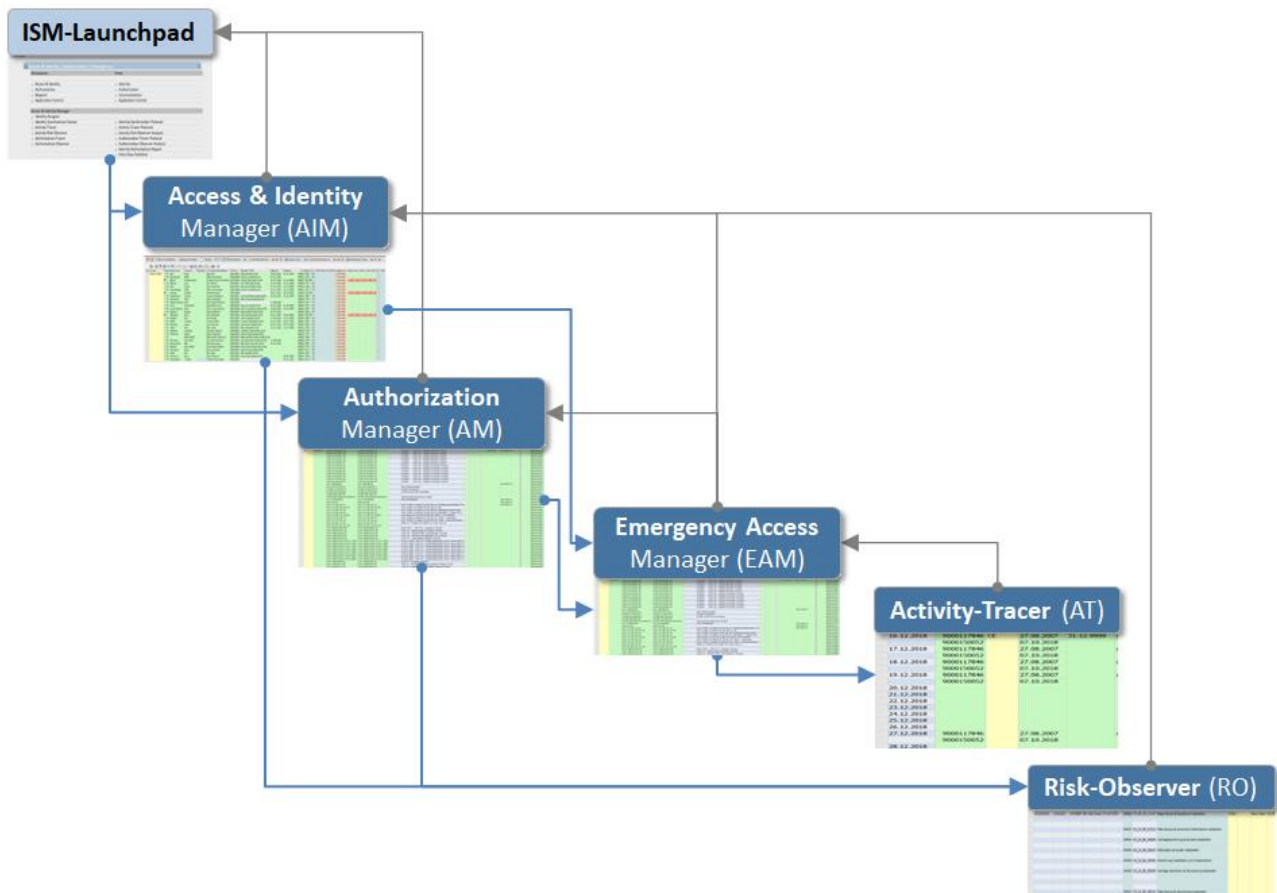
- cosol: customer-neutral description of the areas of use, operation & support as well as change
- Customer: additional description of customer specifics

1.D Referenced documents

| Document | Description |
|--|---------------------------------|
| idFlow_HB_APPLIKATION | Application Manual |
| idFlow_HB_BETRIEB_SUPPORT | Manual Operation & Support |
| idFlow_HB_CUSTOMIZING_DEVELOPMENT | Customizing Manual |
| Template_idFlow_OPERATING_Workflow | Operating Workflow |
| Template_idFlow_OPERATING_RBAMP | Operating RBAMP |
| Template_idFlow_OPERATING_Systemlandscape | Operating System Landscape |
| Template_idFlow_OPERATING_Jobs | Operating Jobs |
| Template_idFlow_OPERATING_Monitoring | Operating Monitoring |
| Template_idFlow_OPERATING_Backup | Operating Backup |
| Template_idFlow_OPERATING_Authorizations_idFlow | Operating Authorizations-idFlow |
| Template_idFlow_OPERATING_Authorizations_Default | Operating Authorization Default |
| Template_idFlow_OPERATING_Licensetype | Operating Licensetype |
| Template_idFlow_OPERATING_Testing | Operating Testing |

1.E Navigation

The various business functions are mutually integrated and build on each other.



1.E.1 Identity

The identity is used to link and jointly process related accounts of the entire system landscape (SAP and NonSAP). 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.

An identity:

- is the basis for the central management and synchronization of all accounts of a person and the provisioning of access rights.
- ensures that the *Risk Observer* is able to identify cross-user segregation of duties (SoD) risks.

1.E.2 Authorization

The authorization is used to provide all relevant application authorizations (for example, R/3 composite rolls) with a shell in order to efficiently and effectively support the entire lifecycle of the authorization.

One authorization:

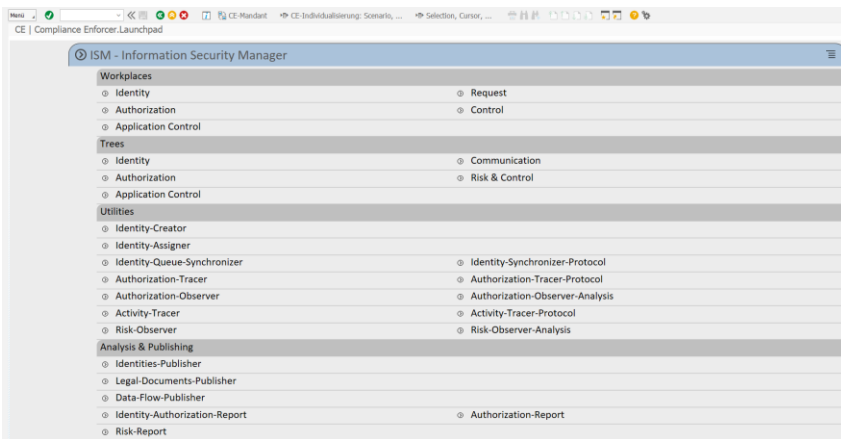
- Is the basis for the central management of all emergency authorizations as well as their provisioning in the event of an emergency and the collection of emergency activities by the *activity tracer*.
- ensures that the metadata relevant to the *Risk Observer* is available.

1.F Terms

- Launchpad: used to call the application functions
- Workplace: Navigation interface for a business function
- Tree: Maintenance interface for the objects of a business function
- Function: Application function
- Access-Level Customer Services, Employee Self-Services, Administrator Services

IDFLOW Launchpad

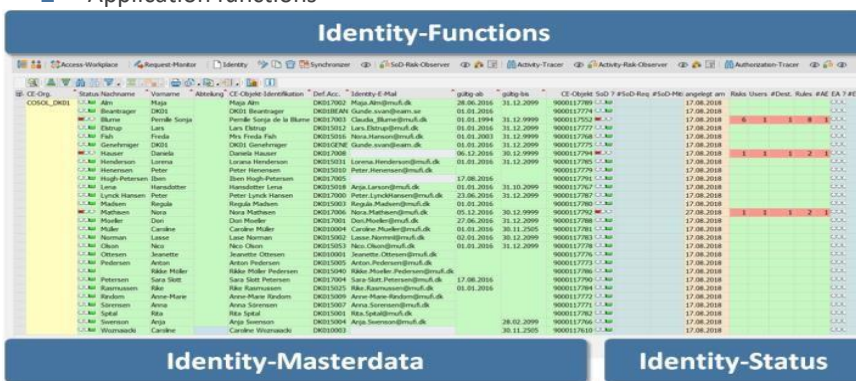
The individual application functions are grouped according to the topic



Workplace

A typical workplace consists of:

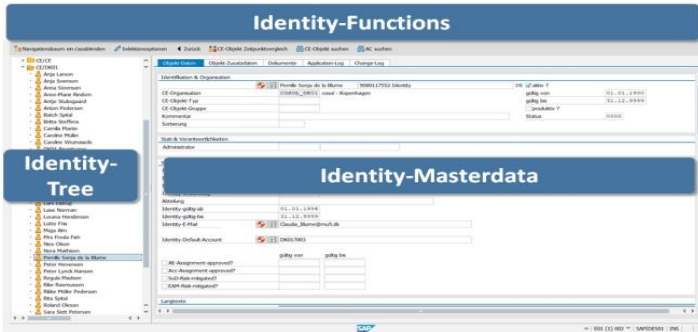
- Data overview (master data, transaction data)
- Status Information
- Application functions



Tree

A typical tree consists of:

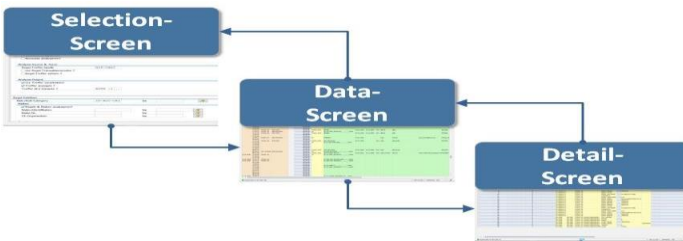
- Object-Tree (Hierarchy / Structure)
- Master data (attributes, documents, application log, changelog, etc.)
- Application functions



Function

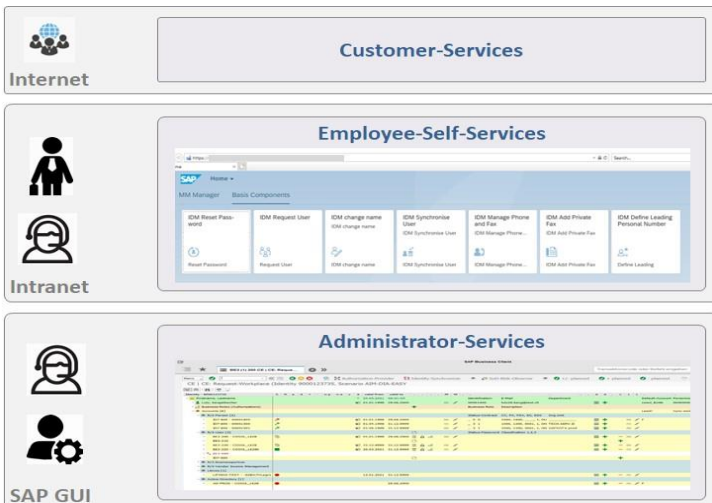
A typical function consists of:

- Selection
- Data overview (master data, transaction data)
- Data Details



Access Level

- This document documents only the Administrator Services access level.
- The access levels "Customer Services" and "Employee Self-Services" are described (if used) in customer-specific documents.



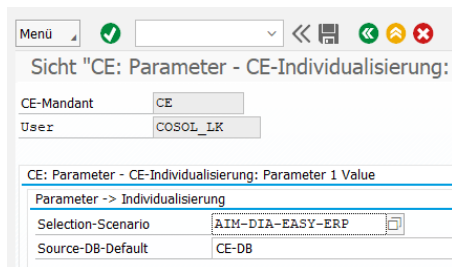
1.G user-specific individualization

Each user can set certain parameter values and thus individually influence the use of the application.



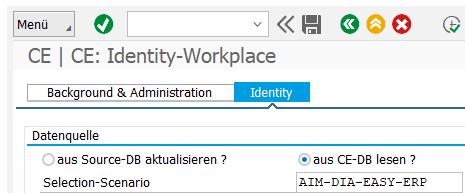
- Scenario, ... → Access & Identity Management:
 - Data selection scenario (which destinations)
 - Data-Source (update from Source-DB / read from CE-DB)
- Cursors, parameters, ... → all business functions
 - Position of the cursor when starting the transaction
 - Default values of the selection options
 - Default Values of the Selection Parameters

1.G.1 Scenario, ...



- Selection-Scenario: which destinations should be selected
- Source-DB-Default: update from Source-DB / read from CE-DB

→ specifications are transferred to the selection screen



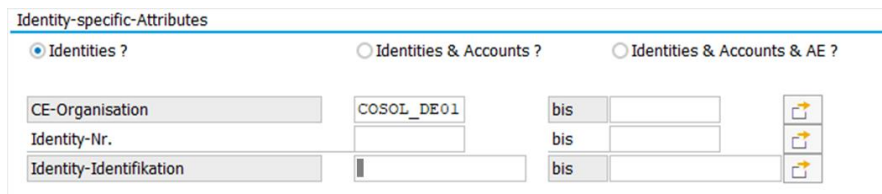
1.G.2 cursor parameter

Example:

- cursor position: transaction: identity-workplace, position: identity-identification
- Default selection value: Transaction: Identity workplace, Selection value: COSOL_DE01

| CE-Mandant | User | Pos.Nr. | aktiv ? | gültig-ab | gültig-bis | Kommentar | Pos.-Type | X89-Program | CE-Task | Selektion | Art | INCL/EXCL | Option | Selektionswert |
|------------|----------|---------|---------|------------|------------|-----------------------------------|---------------|-------------------------------|------------|-----------|-----|-----------|--------|----------------|
| CE | COSOL_LK | 1000 | ✓ | 01.01.1900 | 31.12.9999 | Cursor -> Identity-Identifikation | CURSOR_POS .. | 2040_M1 / HSMD1/CE_2040_M1 .. | OPE_AIM_72 | | | | | O_IS03DE-LOW |
| CE | COSOL_LK | 1010 | ✓ | 01.01.1900 | 31.12.9999 | Selektion -> CE-Org. COSOL_DE01 | SEL_OPTION .. | 2040_M1 / HSMD1/CE_2040_M1 .. | OPE_AIM_72 | | | I | EQ | COSOL_DE01 |

→ specifications are transferred to the selection screen

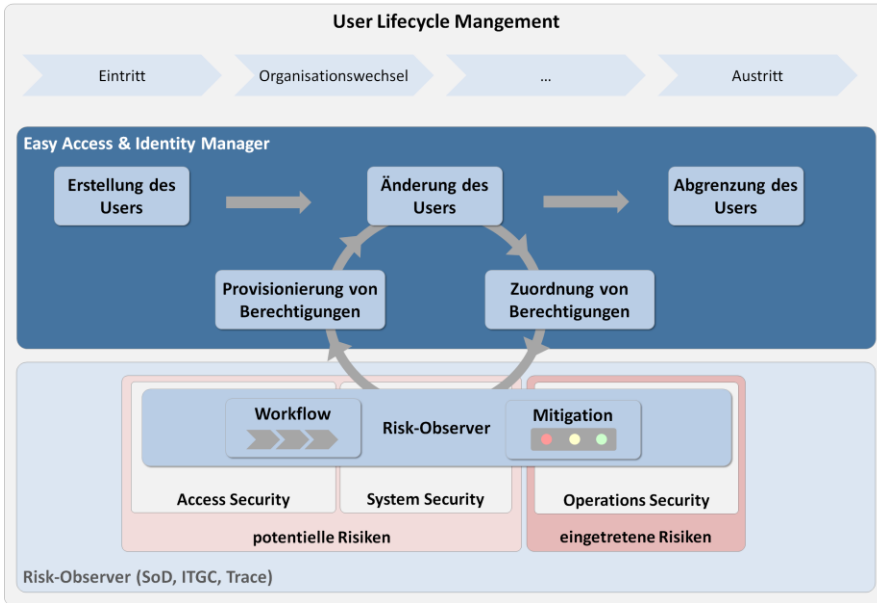


2. Access & Identity Manager (AIM)

2.A Big Picture

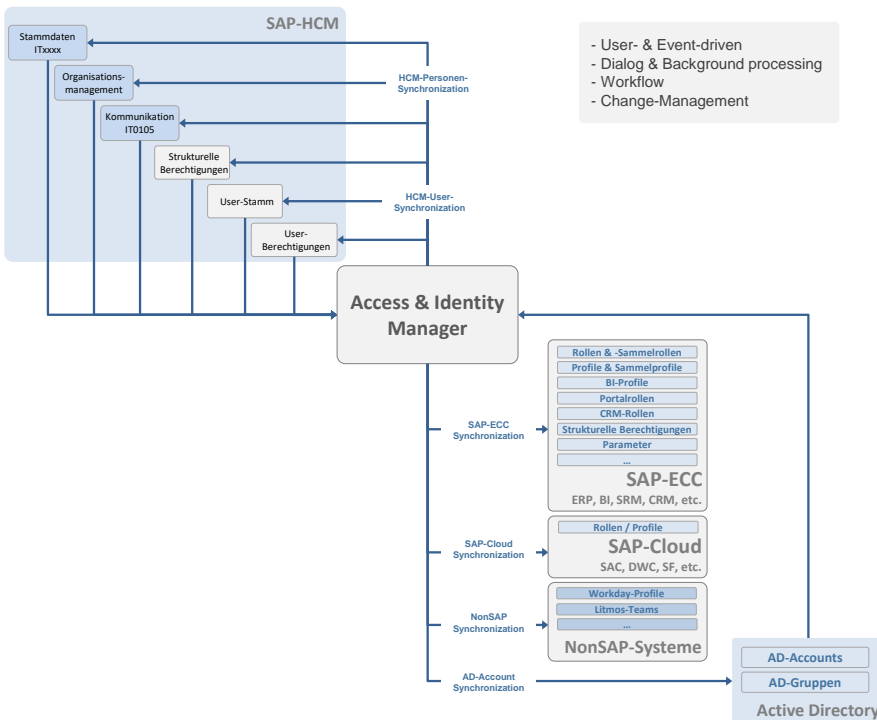
2.A.1 Lifecycle Management

- Identities / Accounts
- Authorizations

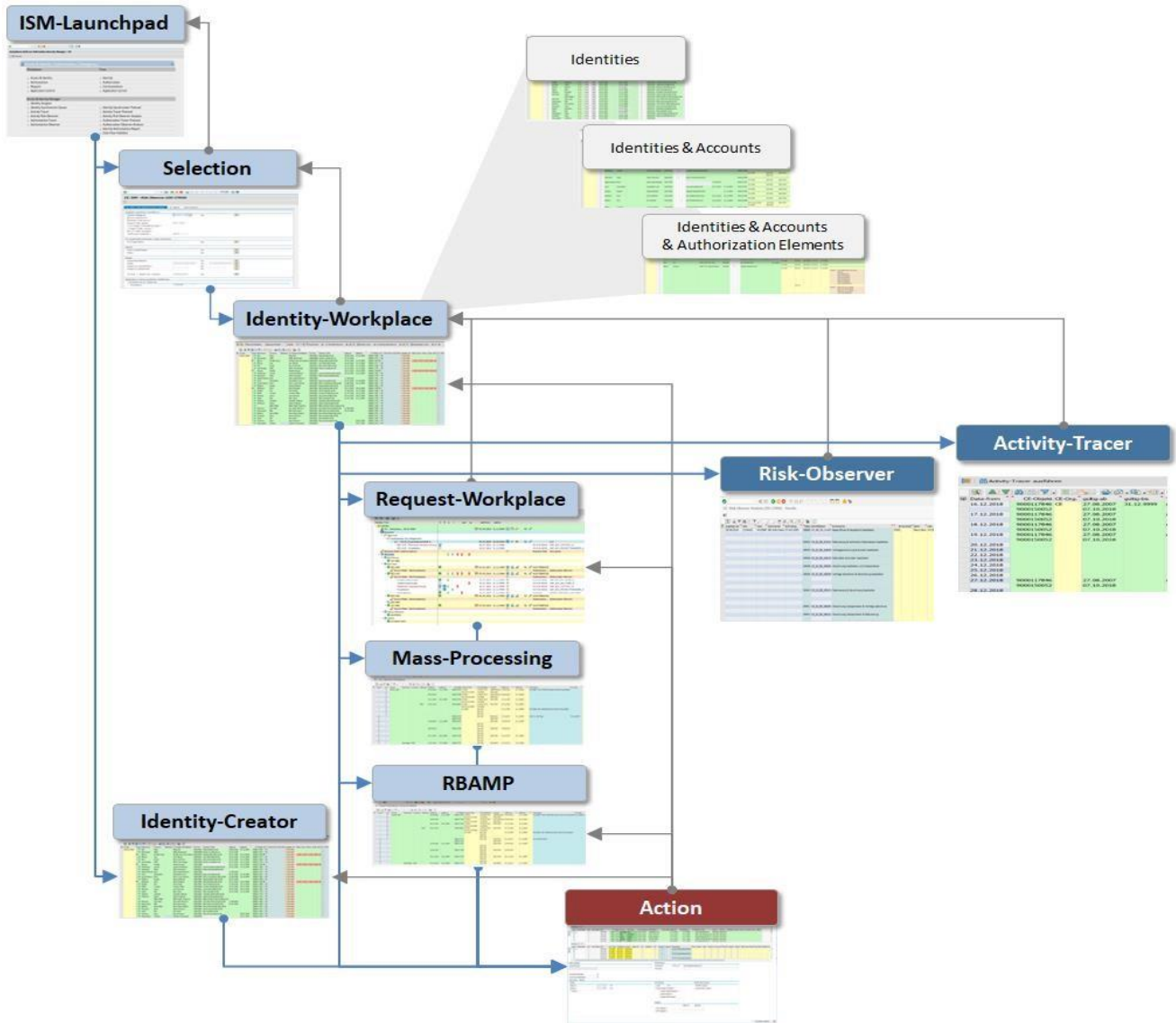


2.A.2 Synchronization & Provisioning

- Master Data
- Authorizations



2.B Navigation & Business Functions

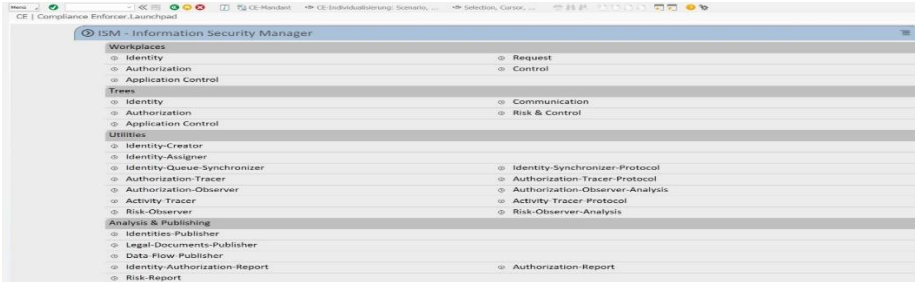


| Business Function | Identities | Accounts | Authorizations | Actions |
|--|------------|----------|----------------|---------|
| Identity Workplace | n | n | n | 1 |
| Request Workplace | 1 | n | n | 1 |
| Mass Processing | n | n | n | 1 |
| RBAMP (Rule-based-Account-mass-processing) | n | n | n | n |
| Identity Creator | n | n | n | n |

2.C idFlow: Launchpad

ISM-Launchpad

The individual application functions are grouped according to the topic
Transaction: / HSMD1/CE_LAUNCH

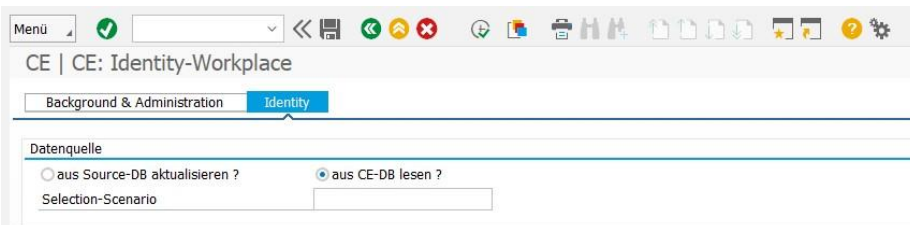


- In the launchpad, all relevant application functions can be called up at the click of a mouse.
- By clicking on the colored group titles, the group details can be expanded/collapsed.

2.D Identity Workplace Selection

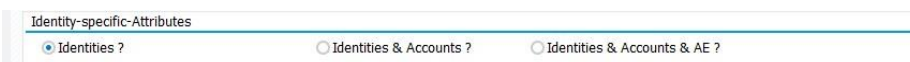
Selection

2.D.1 Data retrieval



- Update from Source DB: all data is read again from the decentralized (remote) source systems and stored centrally
- Read from CE-DB: all data is read from the central (local) database

2.D.2 Level of detail of the hit list



2.D.3 Identity-specific attributes

| | | | | |
|---|----------------------|-----|----------------------|--|
| CE-Organisation | <input type="text"/> | bis | <input type="text"/> | |
| Identity-Nr. | <input type="text"/> | bis | <input type="text"/> | |
| Identity-Identifikation | <input type="text"/> | bis | <input type="text"/> | |
| Vorname | <input type="text"/> | bis | <input type="text"/> | |
| Vorname (machine-readable) | <input type="text"/> | bis | <input type="text"/> | |
| Nachname | <input type="text"/> | bis | <input type="text"/> | |
| Nachname (machine-readable) | <input type="text"/> | bis | <input type="text"/> | |
| Personal-Nr. | <input type="text"/> | bis | <input type="text"/> | |
| Login-ID | <input type="text"/> | bis | <input type="text"/> | |
| E-Mail | <input type="text"/> | bis | <input type="text"/> | |
| Default-Account | <input type="text"/> | bis | <input type="text"/> | |
| Identity-Titel | <input type="text"/> | bis | <input type="text"/> | |
| Identity-Abteilung | <input type="text"/> | bis | <input type="text"/> | |
| CE-Objekt-Typ (semantisch) | <input type="text"/> | bis | <input type="text"/> | |
| CE-Objekt-Gruppe (semantisch) | <input type="text"/> | bis | <input type="text"/> | |
| <input checked="" type="checkbox"/> gültig - in Vergangenheit ? | | | | |
| <input checked="" type="checkbox"/> gültig - aktuell ? | | | | |
| <input checked="" type="checkbox"/> gültig - in Zukunft ? | | | | |

2.D.4 Mitigation & Approval

| | | | |
|---|--------------------------------------|-------------------------------------|---|
| Approval | | | |
| <input type="checkbox"/> my open requests ? | <input type="checkbox"/> requester ? | <input type="checkbox"/> operator ? | <input checked="" type="checkbox"/> responsible ? |
| <input type="checkbox"/> open requests ? | | | |
| Mitigation | | | |
| Status | <input type="text"/> | bis | <input type="text"/> |
| Status: SoD-Mitigation | <input type="text"/> | bis | <input type="text"/> |
| Status: EAM-Mitigation | <input type="text"/> | bis | <input type="text"/> |













2.D.5 Identity Status

| | | | |
|--------------------------------|----------------------|-----|----------------------|
| Status | | | |
| Identity-Status | <input type="text"/> | bis | <input type="text"/> |
| HCM-customer individual status | <input type="text"/> | bis | <input type="text"/> |
| HCM-employment status | <input type="text"/> | bis | <input type="text"/> |

2.D.6 Account-specific attributes

| | | | |
|---------------------------|----------------------|-----|----------------------|
| Account | | | |
| Account-Type | <input type="text"/> | bis | <input type="text"/> |
| CE-Destination | <input type="text"/> | bis | <input type="text"/> |
| Account | <input type="text"/> | bis | <input type="text"/> |
| Account-Classification | <input type="text"/> | bis | <input type="text"/> |
| Account-Classification | <input type="text"/> | bis | <input type="text"/> |
| Account-Classification | <input type="text"/> | bis | <input type="text"/> |
| Account-Classification | <input type="text"/> | bis | <input type="text"/> |
| Account-Classification | <input type="text"/> | bis | <input type="text"/> |
| Lizenz-Typ extern-aktuell | <input type="text"/> | bis | <input type="text"/> |
| Lizenz-Typ intern-aktuell | <input type="text"/> | bis | <input type="text"/> |

2.D.7 Other Identity Attributes

| CE-Objekt | | | |
|--------------------------------|----------------------|-----|---|
| CE-Objekt-Typ (technisch) | <input type="text"/> | bis | <input type="text"/>  |
| CE-Objekt-Typ (semantisch) | <input type="text"/> | bis | <input type="text"/>  |
| CE-Objekt-Gruppe (semantisch) | <input type="text"/> | bis | <input type="text"/>  |
| CE-Objekt | <input type="text"/> | bis | <input type="text"/>  |
| CE-Objekt-Identifikation | <input type="text"/> | bis | <input type="text"/>  |
| Kommentar | <input type="text"/> | bis | <input type="text"/>  |
| Berechtigungsgruppe | <input type="text"/> | bis | <input type="text"/>  |
| Status | <input type="text"/> | bis | <input type="text"/>  |
| CE-Objekt-Parent | <input type="text"/> | bis | <input type="text"/>  |
| CE-Objekt-Gruppe ? (technisch) | <input type="text"/> | bis | <input type="text"/>  |
| Quell-CE-Objekt | <input type="text"/> | bis | <input type="text"/>  |
| Zeitversion-von CE-Objekt | <input type="text"/> | bis | <input type="text"/>  |

2.D.8 Validity

Validity: The default values can be influenced in Customizing.

| Gültigkeit | | | |
|--|----------------------|-----|--|
| <input checked="" type="checkbox"/> aktive ? | | | |
| <input type="checkbox"/> inaktive ? | | | |
| gültig von | <input type="text"/> | | |
| gültig bis | <input type="text"/> | | |
| <input checked="" type="checkbox"/> produktive ? | | | |
| <input checked="" type="checkbox"/> nicht produktive ? | | | |
| Status | <input type="text"/> | bis | <input type="text"/>  |
| <input type="checkbox"/> gelöschte ? | | | |
| <input checked="" type="checkbox"/> nicht gelöschte ? | | | |

2.E Identity Workplace

Identity-Workplace

The level of detail of the hit list is determined in the selection screen.

Identity-specific-Attributes

Identities ?
 Identities & Accounts ?
 Identities & Accounts & AE ?

2.E.1 Hit list: Identities

Identity-Functions

Identity-Masterdata Identity-Status

2.E.2 Results List: Identities & Accounts

Identity-Functions

Identities Account

2.E.3 Results List: Identities & Accounts & Authorization Elements

Identity-Functions

Identity Account AE

2.E.4 CE Action Level







| Level | Description | Tool |
|-----------------|--|--------------------|
| Mass Processing | 1 - n Identities, 1-n Accounts, 1-n Authorization Elements | Identity Workplace |
| Multi-action | 1-n Accounts, 1-n Authorization Elements | Request Workplace |
| Single-Action | 1 Accounts 1-n Authorization Elements | Request Workplace |

2.E.5 Identity Status

The status area informs about the following 5 statuses:

| Range | Status |
|-----------------------|------------------------------------|
| Main Identity Status | Derived from the 5 detail statuses |
| Identity Synchronizer | Synchronization |
| Risk | Segregation of Duties |
| | Emergency Access Risks |
| Approval | Authorization Element Assignment |
| | Destination Assignment |

Meaning of icons/statuses

| | Icon | Status |
|-----------------------------|---|--------|
| Check is inactive |  | - |
| Identity is mitigated |  | G |
| there is no check yet |  | - |
| all risks are mitigated |  | G |
| unused |  | Y |
| min 1 risk is not mitigated |  | R |

2.E.6 Identity Functions

2.E.6.a Pushbuttons

| Request-Workplace | |
|------------------------|--|
| | Zeilendetails anzeigen |
| | Zeitpunktvergleich |
| | Refresh |
| Request-Workplace | |
| | ausführen Request-Workplace |
| | ausführen Request-Monitor |
| Identity | |
| | anzeigen/ändern Identity-Masterdata |
| | anlegen Identity |
| | kopieren Identity |
| | löschen Identity |
| Synchronizer | |
| | ausführen Identity-Synchronizer |
| | anzeigen Identity-Synchronizer-Protokoll |
| SoD-Risk-Observer | |
| | ausführen SoD-Risk-Observer |
| | anzeigen SoD-Risk-Analysis |
| | ausführen SoD-Risk-Mitigation |
| | erzeugen SoD-Risk-Mitigation-Formular |
| Activity-Tracer | |
| | ausführen Activity-Tracer |
| | anzeigen Activity-Tracer-Protocol |
| Activity-Risk-Observer | |
| | ausführen Activity-Risk-Observer |
| | anzeigen Activity-Risk-Observer-Analysis |
| | ausführen Activity-Risk-Mitigation |
| | erzeugen Activity-Risk-Mitigation-Formular |
| Authorization-Tracer | |
| | ausführen Authorization-Tracer |
| | anzeigen Authorization-Tracer-Protokol |
| | ausführen Authorization-Observer |
| | anzeigen Authorization-Observer-Analysis |

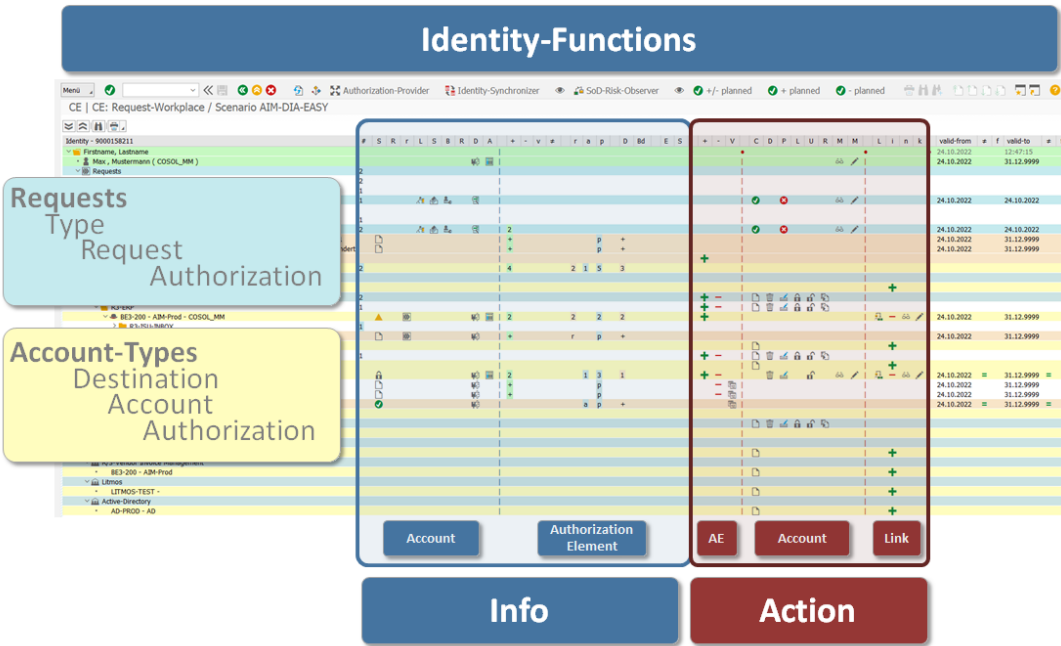
2.E.6.b Menu

| Identity | Massenverarbeitung |
|-------------------------------------|---|
| Identity anlegen | Identity |
| Identity anzeigen/ändern | Change Identity-Data |
| Identity kopieren | Change Identity-CE-organisation |
| Identity löschen | Link Identity -> Account |
| Identity synchronisieren | Change Link-Data |
| Identity-Schnchronizer | Delimit Link-Validity |
| Identity-Schnchronizer-Protokoll | Unassign |
| SoD-Risk | Reassign |
| Risk-Observer | Account |
| Risk-Observer-Analysis | Rule-based account-mass-processing |
| Risk-Mitigation | Unlock |
| Risk-Mitigation-Formular | Lock |
| Activity-Risk | Create |
| Tracer | Re-create |
| Tracer-Protokoll | Delete |
| Risk-Observer | Set password |
| Risk-Observer-Analysis | Link Account -> Authorization-Element |
| Risk-Mitigation | Change Link-Data |
| Risk-Mitigation-Formular | + planned-AE |
| Authorization-Risk | - planned AE |
| Tracer | +/- planned AE (Default & BR-derivativ) |
| Tracer-Protokoll | + planned-AE (accept not planned) |
| Accuracy-Risk-Observer | - planned-AE (accept not actual) |
| Accuracy-Risk-Observer-Analysis | Authorization-Element |
| Analysis | Provide AE (set planned -> actual) |
| Identity-Accounts | |
| Identity-Authorizations & -Elements | |
| License-Manager | Springen |
| Calculate License-Type | Request-Monitor |

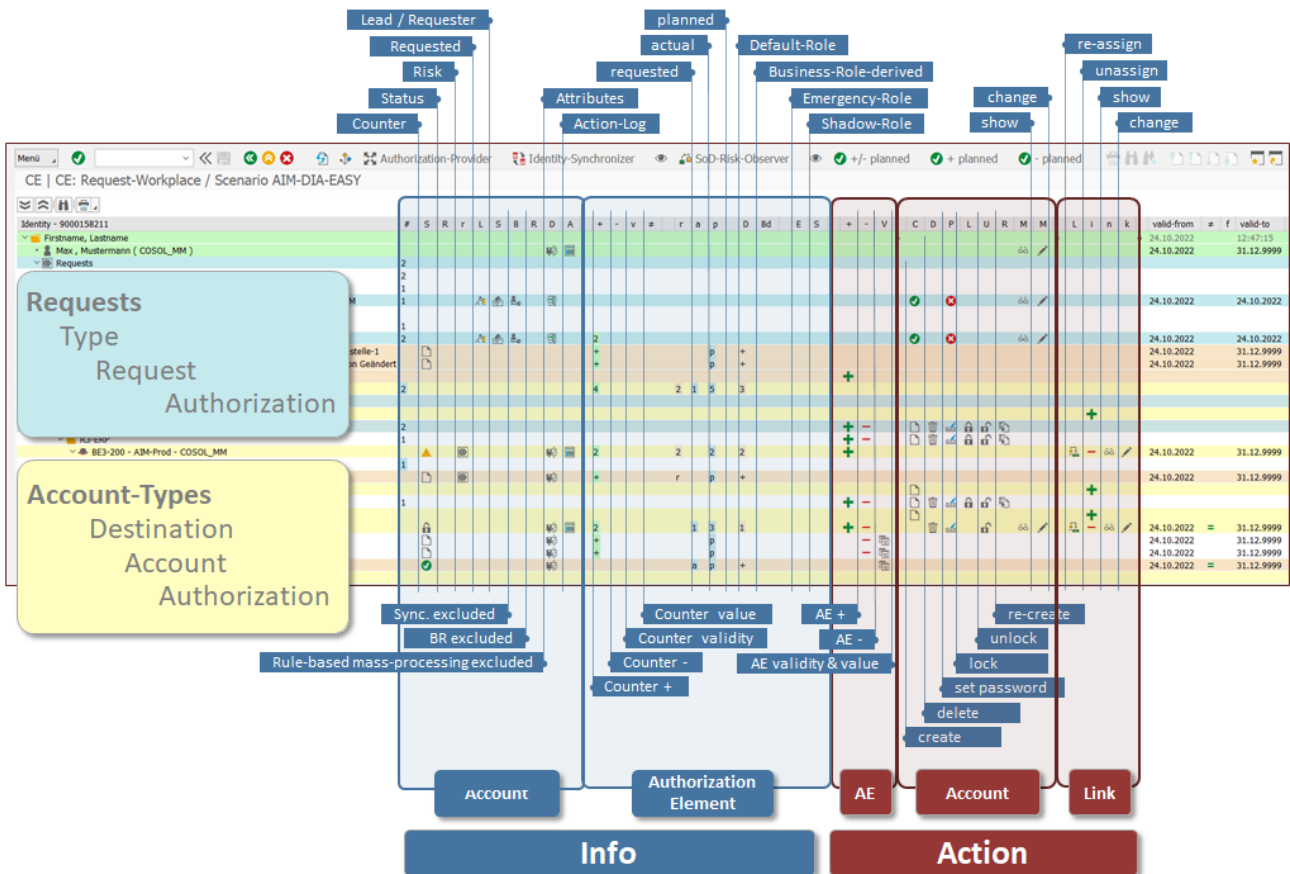
2.F Request Workplace

Request-Workplace

2.F.1 Big Picture



2.F.2 Information & Actions



2.F.3 Info area (Request Workplace)

- provides all relevant information
- is not responsible for making changes

The screenshot shows the 'Request-Workplace / Scenario AIM-DIA-EASY' interface. A table lists various entities with columns for status, risk, and other attributes. Callouts point to specific information fields:

- Lead / Requester**: Points to the 'Requested' column.
- Risk**: Points to the 'Risk' column.
- Status**: Points to the 'Status' column.
- Counter**: Points to the 'Counter' column.
- Attributes**: Points to the 'Attributes' column.
- planned**: Points to the 'planned' column.
- actual**: Points to the 'actual' column.
- requested**: Points to the 'requested' column.
- Default-Role**: Points to the 'Default-Role' column.
- Business-Role-derived**: Points to the 'Business-Role-derived' column.
- Emergency-Role**: Points to the 'Emergency-Role' column.
- Shadow-Role**: Points to the 'Shadow-Role' column.
- Action-Log**: Points to the 'Action-Log' column.
- Account**: Points to the 'Account' column.
- Authorization Element**: Points to the 'Authorization Element' column.
- Sync. excluded**: Points to the 'Sync. excluded' column.
- BR excluded**: Points to the 'BR excluded' column.
- Rule-based mass-processing excluded**: Points to the 'Rule-based mass-processing excluded' column.
- Counter value**: Points to the 'Counter value' column.
- Counter validity**: Points to the 'Counter validity' column.
- Counter -**: Points to the 'Counter -' column.
- Counter +**: Points to the 'Counter +' column.

2.F.4 Action area (Request-Workplace)

- provides all relevant actions
 - AE / Authorizations (for example, R/3 role, R/3 BI profiles, etc.)
 - Account (for example, R/3 User, R/3 BusinessPartner, Litmos Account, etc.)
 - Link Identity->Account (Metad data: e.g. classification, validity, etc.)

The screenshot shows the same 'Request-Workplace' interface. Callouts point to various action buttons:

- re-assign**: Points to the 're-assign' button.
- unassign**: Points to the 'unassign' button.
- change**: Points to the 'change' button.
- show**: Points to the 'show' button.
- AE +**: Points to the 'AE +' button.
- AE -**: Points to the 'AE -' button.
- AE validity & value**: Points to the 'AE validity & value' button.
- re-create**: Points to the 're-create' button.
- unlock**: Points to the 'unlock' button.
- lock**: Points to the 'lock' button.
- set password**: Points to the 'set password' button.
- delete**: Points to the 'delete' button.
- create**: Points to the 'create' button.

2.F.5 Action

Action

The action:

- is the central software element for making the desired changes (e.g. create Account, lock Account, AE +, provide AE, etc.)
- is called from various user interfaces (identity workplace, request workplace, identity creator, self-service)
- can be executed (depending on Customizing) both in the dialog (PopUp) and in the background

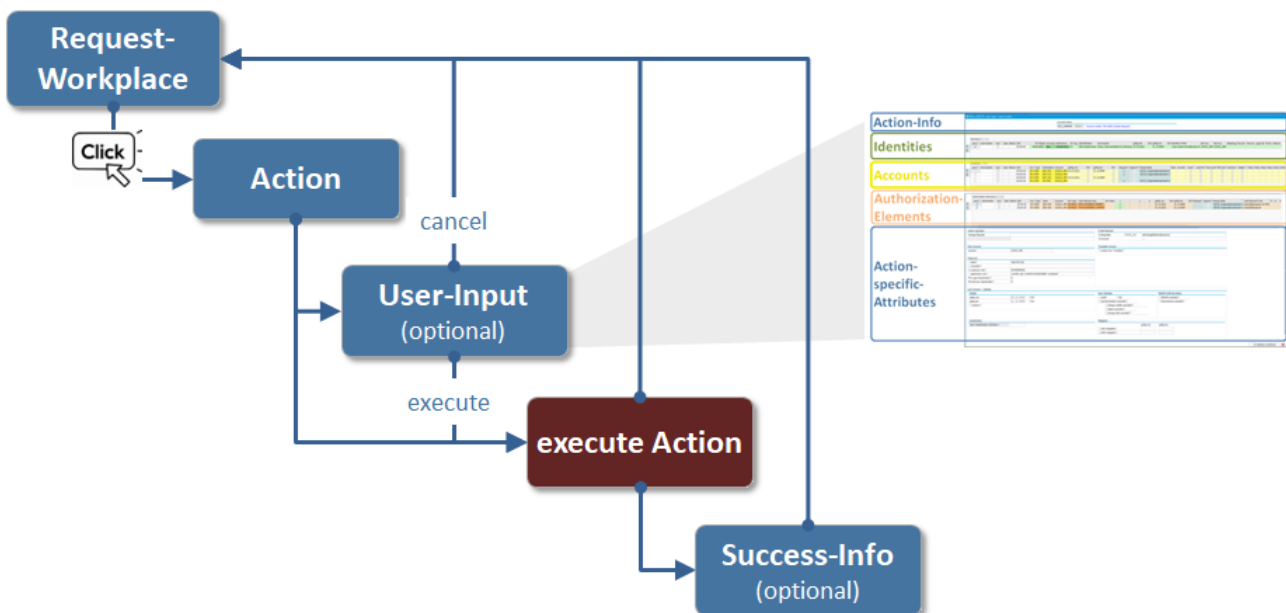
Output:

- 1 - n executed action(s) (create Account, lock Account, AE +, provide AE, etc.)
 - 1 - n sent e-mails

or

- 1- n generated request(s)
 - 1 - n Responsible(s)
 - 1 WF process (1 - n Steps)
 - 1 - n sent e-mails

2.F.6 Navigation



2.F.6.a Big picture: User input

Action-Info

Current Action
ACC_CREATE | 21.12. | Account create / RD-USER (create-Request)

Identities

| id | prnc3 | kommendar | reg? | user | datum | zeit | CE-Objekt | Vorname | Nachname | CE-Obj. | Identifikation | kommendar | gültig von | bis | gültig bis | id? | Identity # | Inst. | Def.Acc. | Def.Acc. | Ablistung | Parti.B. | Funk.Nr. | Login ID | Tel.Nr. | Mail.Nr. | |
|-------------------------------------|-------|-----------|------|------|----------|------|-----------|---------|----------|---------|-----------------------|-----------|------------|-----|------------|-----|------------|-------|----------|----------|-----------|----------|----------|----------|---------|----------|--|
| <input checked="" type="checkbox"/> | | | | | 00.00.00 | | RD-USER | RD-228 | COSOL_MM | RD-ROLE | EPIC_BUCHHALTUNG_EPIC | | 24.10.2022 | | 31.12.9999 | | | | | | | | | | | | |

Accounts

| id | prnc3 | kommendar | reg? | user | datum | zeit | Acc.-Type | Distribution | Account | gültig von | bis | gültig bis | id? | Request # | approved? | Responsible | Def. Account | Lead? | Lead By? | Sync-entf? | BR entf? | Inactive? | Stunde? | Class | Class | Class | Class | Locale |
|--------------------------|-------|-----------|------|------|----------|------|-----------|--------------|----------|------------|-----|------------|-----|-----------|-----------|-------------|--------------|-------|----------|------------|----------|-----------|---------|-------|-------|-------|-------|--------|
| <input type="checkbox"/> | | | | | 00.00.00 | | RD-USER | RD-228 | COSOL_MM | 24.10.2022 | | 31.12.9999 | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | | | | | 00.00.00 | | RD-USER | RD-228 | COSOL_MM | 24.10.2022 | | 31.12.9999 | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | | | | | 00.00.00 | | RD-USER | RD-800 | COSOL_MM | | | | | | | | | | | | | | | | | | | |

Authorization-Elements

| id | prnc3 | kommendar | reg? | user | datum | zeit | Acc.-Type | Inst. | Account | AE-Type | Auth-Element Key | AE-Value | gültig von | bis | gültig bis | id? | Request # | approved? | Responsible | Auth-Element Text | D | B | S | |
|-------------------------------------|-------|-----------|------|------|----------|------|-----------|--------|----------|---------|-----------------------|----------|------------|-----|------------|-----|-----------|-----------|-------------|-------------------|---|---|---|--|
| <input checked="" type="checkbox"/> | | | | | 00.00.00 | | RD-USER | RD-228 | COSOL_MM | RD-ROLE | FUOLBUECHHALTUNG_EPIC | | 24.10.2022 | | 31.12.9999 | | | | | | | | | |

Action-specific-Attributes

Action Log Type

Change Request

New Account

Account: COSOL_MM

Password

Test-PW-010

if customer rule? Chk70404413

Application rule? Lam20a-rjC1-0n3M7V52EXM4H0Y-0280qR

PK-Login-Blocked? N

PK-User-Blocked? N

Link Account -> Identity

Valid?

gültig von 21.12.2022 id?

gültig bis 31.12.9999 id?

Inactive?

Classification

User-Classification Attribute 1

Email Receiver

Receiver COSOL_EP mit.kangelbacher@cosol.ch

Account

Template Account

enable from Template?

Form-Attribute

Lead? id?

Synchronization excluded? id?

change validity excluded? id?

delete excluded? id?

change data excluded? id?

Business excluded? id?

Integration

Sub-integrated? gültig von gültig bis

TEAM-integrated?

Selektion ausführen

2.F.6.a.1 Pushbuttons

| | |
|--|--------------------|
| | alles markieren |
| | alles entmarkieren |
| | ausführen |
| | abbrechen |

2.F.6.b Action: create Account

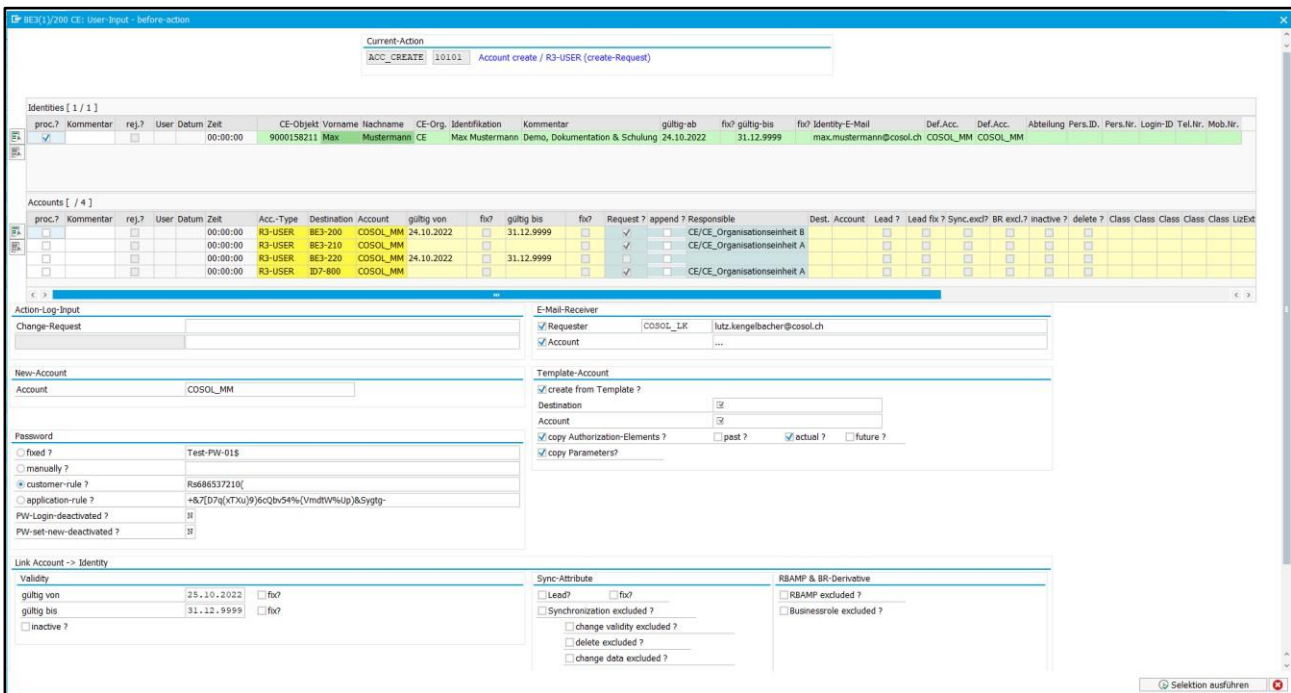
The "create Account" action requires some additional information (depending on Customizing):

obligatory:

- Account
- Password
- PW-Login-deactivated ?
- PW-set new deactivated ?

optional:

- Action-Log-Input
 - About the change request
 - InfoforApprovers
- E-mail receiver (different recipients)
- Template
 - Destination (with multi-action * can be used -> template from destination)
 - Account (the same account is used for all destinations)
 - Copy Elements
- Validity
- Sync Attributes
 - Lead
 - excluded ?
- BR & RBAMP
- Excluded ?



2.F.6.c Action: + Authorization

2.F.6.c.1 Business Role

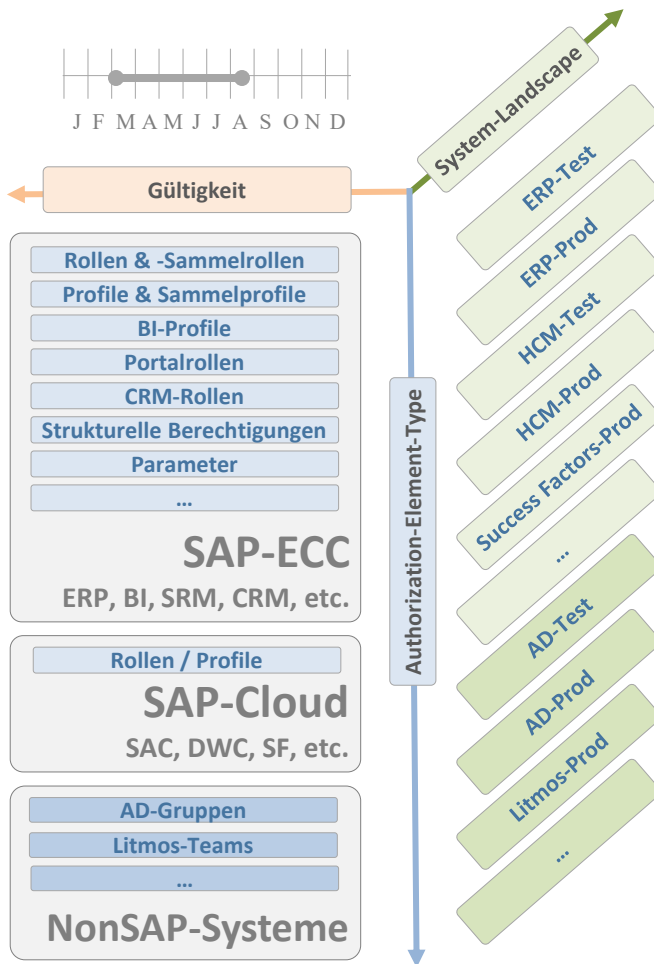
The business role is used to link and jointly process related application authorizations of the entire system landscape (SAP and NonSAP).

For example, one (1) business role can be defined for the "Controller" position, which includes all necessary authorizations on all necessary target systems.

→ By assigning one (1) business role to an identity, all necessary application roles are provisioned simultaneously and in one step.

The Business Role enables:

- the combination of different authorization elements
- the definition of different destinations
- the determination of the temporal validity



| CE-Objekt-Identifikation | Kurztext |
|---|---|
| CE-BUSINESS-ROLE | |
| WVZ_ZZ_S001_VK_SS_01X02 | S00-Konflikt Demorolle 1 CO_VK_SS_01X02 |
| WVZ_ZZ_S002_VK_SS_05X04 | S00-Konflikt Demorolle 1 CO_VK_SS_05X04 |
| WVZ_ADMINISTRATOR_BASIS | Basis Administrator |
| WVZ_ADMINISTRATOR_BENUTZER | Benutzer Administrator |
| WVZ_ADMINISTRATOR_BETRIEB_OIZ | Basis Administrator OIZ |
| WVZ_ADMINISTRATOR_ROLLEN | Rollen Administrator |
| WVZ_AL_ANLAGENBETRIEB_ANLAGEN | Abteilungsleiter Anlagenbetrieb Anlagen BA |
| WVZ_AL_BAU (Demo BE3-200, D7-800) | Abteilungsleiter Anlagenbetrieb Bau BA |
| WVZ_AL_BIOLOGIE | Abteilungsleiter Anlagenbetrieb Biologie QB |
| WVZ_AL_CHEMIE | Abteilungsleiter Chemie CC |
| WVZ_AL_CONTROLLING | Abteilungsleiter Controlling FC |
| WVZ_AL_ELEKTROPROJ_ANLAGEN | Abteilungsleiter Elektroprojekte Anlagen BE |
| WVZ_AL_HAUSTECHNIK_NETZ | Abteilungsleiter Haustechnik Netz PH |
| WVZ_AL_INFORMATIK (Demo BE3-210, BE3-220) | Abteilungsleiter Informatik FI |
| WVZ_AL_KATASTER | Abteilungsleiter Kataster FK |
| WVZ_AL_KUNDENDIENST | Abteilungsleiter Kundendienst FK |
| WVZ_AL_KUNDENDIENST_ISU | Abteilungsleiter Kundendienst ISU |
| WVZ_AL_KUNDENDIENST_ISU_NEU | Abteilungsleiter Kundendienst ISU alles |
| COSOL_FBI1 | FBI1_Controller |
| FBI1_MATERIALMASTER | FBI1_MATERIALMASTER |
| CE | |
| DataLoad: WVZ_ADMINISTRATOR_BASIS | |
| DataLoad: WVZ_ADMINISTRATOR_BENUTZER | |
| DataLoad: WVZ_ADMINISTRATOR_BETRIEB_OIZ | |
| DataLoad: WVZ_ADMINISTRATOR_ROLLEN | |

2.F.6.c.2 Application Role

Target-Account: 9901151211
 Account-Type: R3-USER
 Destination: BE3-220
 Account: COSOL_MM
 CE-Action: S_AE_W220

Authorization-Element-Selection
 Refresh Selection
 AE-Selection:
 AE-Text:
 exclude Single-Roles in Collective-Roles ?
 exclude assigned Authorizations ?
 exclude Roles in Business-Roles ?

Reference-Account
 CE-Identity:
 CE-Destination:
 Account:

| AE-Type | Authorization-Element-Key | Authorization-Element-Text | Dest. | Acc-Type | Account | EAM ? | Shadow ? | Sync.Comp? | Distr.Tree |
|---------|--------------------------------|---|---------|----------|----------|-------------------------------------|-------------------------------------|-------------------------------------|------------|
| R3-ROLE | ATB1-EMRCOS08-ATB1Z_4001 | | BE3-220 | R3-USER | COSOL_MM | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | SAP-ERP-01 |
| | D8H-CO_VL_S5_BK07 | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | SAP-ERP-01 |
| | EA_FIR_BKIC_WD_MENU | Intercompany Abrechnung Benutzerzmenü | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | EPHCH_LESS_R_L_OIV-ARBEITSEZUG | EPHCH_LESS_R_L_OIV-ARBEITSEZUG | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | SAP-ERP-07 |
| | EPHCH_ESS_R_L_OIV-EMPLOYEE | EPHCH_ESS_R_L_OIV-EMPLOYEE | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | SAP-ERP-07 |
| | EPHCH_ESS_R_L_OIV-TELZENTRALE | EPHCH_ESS_R_L_OIV-TELZENTRALE | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | SAP-ERP-07 |
| | EPHCH_MSS_R_L_OIV-BY | EPHCH_MSS_R_L_OIV-BY | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | SAP-ERP-07 |
| | EPHCH_MSS_R_L_OIV-LICHTMANAGER | EPHCH_MSS_R_L_OIV-LICHTMANAGER | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | SAP-ERP-07 |
| | EPHCH_MSS_R_L_OIV-MANAGER | EPHCH_MSS_R_L_OIV-MANAGER | | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | SAP-ERP-07 |
| | EPFC_ACCOUNTANT | Buchhalter (EPFC) | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | EPFC_CASH_MGR | Cashmanager (EPFC) | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | EPFC_CASHER | Kassierer (EPFC) | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | EPFC_IT | IT-Spezialist (EPFC) | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | FUCH_BUSINESS_MANAGER | Leiter einer Fachabteilung | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | FUCH_TREASURY_MANAGER | Leiter Treasury | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | MW_ADMIN | Mitarbeiter-Administrator | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | SAP-ADMIN-ALL | Berechtigungen zur Ausführung von Auftragsallokationslauf | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | SAP-ERP-01 |
| | SAP-ARUN-BATCH | Berechtigungsrolle für Chargenauftrag-Allokationslauf | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | SAPGRH | Synchronisierung von Internetanforderungsdaten mit gekoppelte | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | SAPPOS_SD_LORD_ORDER | Online-Services für Kundenauftrag | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | SAPPOS_SD_MFQUOTATION | Rolle für App "Meine Angebote" | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | SAPPOS_SD_RESOLVE_CREDIT_BLOCK | PF02-Rolle zum Bearbeiten von Kreditblöcken in SD | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | SAPPOS_SD_SOPM_SERVICE | Fiori Ware 2: OData-Service für SOPM-Rechnungsproblem | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | SEC_SMC_TOOL_VIEWER | Zugriff auf UI des Sicherheitsdiagnosewerkzeugs erlauben | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | Y2FP-EMRCOS08-0X | Y2FP-0X - Anlagen | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | SAP-ERP-01 |
| | Z_SAP_EMPLOYEELESS_FAVSLP_1 | Employee Self-Service (HR) | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | SAP-ERP-01 |
| | Z_SAP_FARMER_PROCESS_MEMO2 | Rezeptenabholung | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | SAP-ERP-01 |
| | Z_TEST_LAUNCHPAD_CWP | Test Launchpad CWP | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | SAP-ERP-01 |
| | Z_TEST_FOWH_CWP | Test FOWH CWP | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | SAP-ERP-01 |
| | ZFSSGAG | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | SAP-ERP-01 |
| | ZZ_SAP_EMPLOYEELESS_WDA_1 | Einzelrolle Employee Self-Service für Deutschland | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | SAP-ERP-01 |

2.G Mass Processing

Mass-Processing

| | 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 |

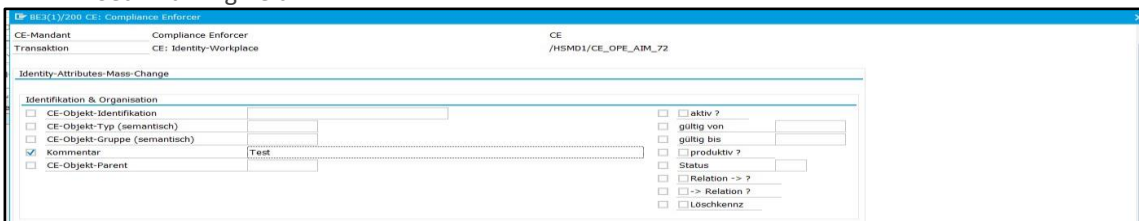
2.G.1.a Identity

2.G.1.a.1 Identity: change Identity-Data

- Select rows to process
- Execute action

PopUp:

- Enter target value in attribute
- Set "Marking field"



.....

2.G.1.a.2 Identity: change Identity-CE-Organization

- Select rows to process
- Execute action

PopUp:

- Select target CE organization

Wertebereich einschränken (1) 5 Einträge gefunden

Einschränkungen

CE-Mandant: CE

| CE-Org. | aktiv ? | gültig von | gültig bis | prod.? | CE-Objekt | Objekt |
|------------|-------------------------------------|------------|------------|--------------------------|------------|--------|
| COSOL_DK01 | <input checked="" type="checkbox"/> | 01.01.1900 | 31.12.9999 | <input type="checkbox"/> | 9000117551 | I50 |
| COSOL_FJ01 | <input checked="" type="checkbox"/> | 01.01.1900 | 31.12.9999 | <input type="checkbox"/> | 9000117706 | I50 |
| COSOL_NO01 | <input checked="" type="checkbox"/> | 01.01.1900 | 31.12.9999 | <input type="checkbox"/> | 9000117709 | I50 |
| COSOL_SE01 | <input checked="" type="checkbox"/> | 01.01.1900 | 31.12.9999 | <input type="checkbox"/> | 9000117708 | I50 |
| COSOL_WVZ | <input checked="" type="checkbox"/> | 01.01.1900 | 31.12.9999 | <input type="checkbox"/> | 9000117579 | I50 |

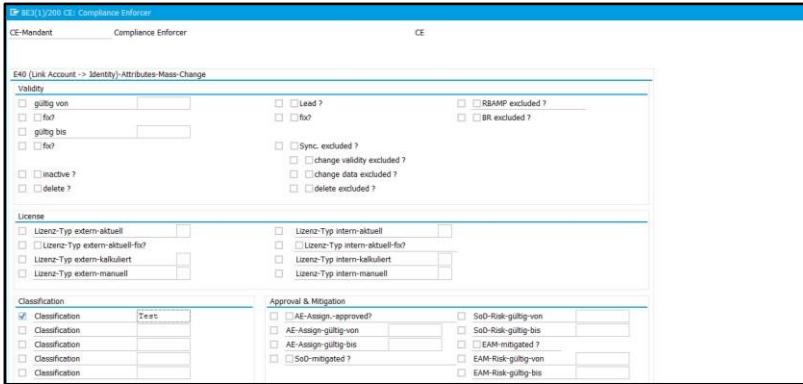
2.G.1.b Link Identity -> Account

2.G.1.b.1 Link Identity -> Account: change Link-Data (Links)

- Select rows to process
- Execute action

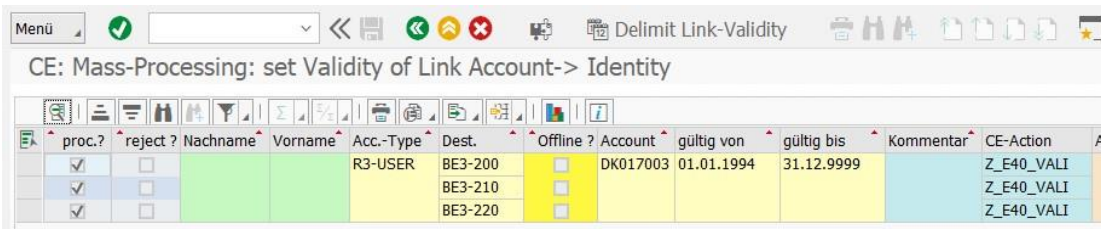
PopUp:

- Enter target value in attribute
- Set "Marking field"



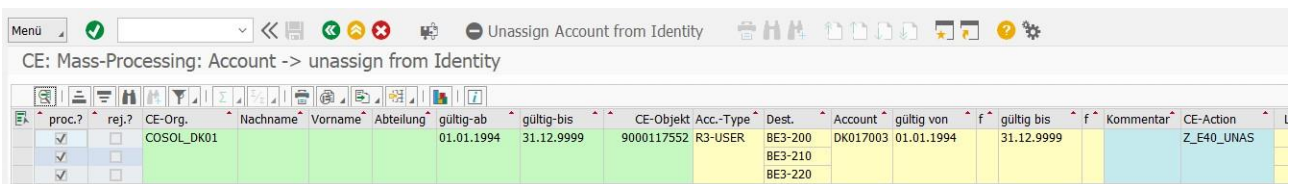
2.G.1.b.2 Link Identity -> Account: delimit Link-Validity (Links)

- Select rows to process
- Execute action



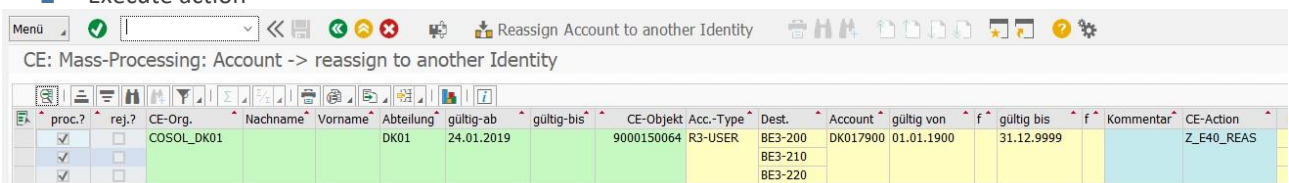
2.G.1.b.3 Link Identity -> Account: Unassign (Accounts)

- Select rows to process
- Execute action



2.G.1.b.4 Link Identity -> Account: re-assign (Accounts)

- Select rows to process
- Execute action



2.G.1.c Account

2.G.1.c.1 RBAMP: Rule-based-Account-mass-processing

RBAMP

- Typically, RBAMP is used for the periodically performed in the background actions such as deletion, demarcation and locking.
- Basically, RBAMP can execute all actions (possible at the Identity, Account and AE levels).
- RBAMP can be executed in both dialog and batch.
- The processing logic is defined customer-specifically in a decision table (rules) and implemented in a function module.

Example:

- 3 different account types
- 3 different CE organizations (internal, external, other)
- 27 Rules

| Blacklist | Black2 | int.F.1 | int.F.2 | int.F.3 | int.F.4 | int.F.5 | int.F.6 | int.A.1 | int.A.2 | int.A.3 | int.B.1 | int.B.2 | int.B.3 | int.Norm | ext.A.1 | ext.A.4 | ext.B | ext.Norm | A | B | VIMA.1 | VIMA.2 | VIMA.3 | BUPLA.1 | BUPLA.2 | BUPLA.3 | ? | |
|-----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|----|
| Blacklist | 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 | |
| Account-Type | 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 | |
| Destination | 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 | |
| last login | 180 | 375 | 30 | 99 | 30 | 99 | 30 | 99 | 30 | 99 | 30 | 99 | 30 | 99 | 30 | 99 | 30 | 99 | 30 | 99 | 30 | 99 | 30 | 99 | 30 | 99 | 30 | 99 |
| Identity-gültig | 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 | |
| Identity-Status | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | 1=aktiv, 0=inaktiv | |
| Wiedereintritt | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R/3-Liuser | 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 | X | |

2.G.1.c.1.1 Step 1

- Select rows to be processed
- Execute action

| CE-Objekt | Account-Type | CE-Destination | Account | gültig-ab | gültig-bis | Identity-Nr. | CE-Action |
|-----------|--------------|----------------|----------|------------|------------|--------------|-----------|
| DK017003 | R3-USER | BE3-200 | DK017003 | 01.01.1994 | 31.12.9999 | 9000117552 | REJECTED |
| DK015015 | R3-USER | BE3-200 | DK015015 | 23.06.2016 | 31.12.2099 | 9000117770 | REJECTED |
| DK017002 | R3-USER | BE3-200 | DK017002 | 28.06.2016 | | 9000117789 | REJECTED |
| DK017007 | R3-USER | BE3-200 | DK017007 | 06.12.2016 | 30.12.9999 | 9000117793 | REJECTED |
| DK017008 | R3-USER | BE3-200 | DK017008 | 06.12.2016 | 30.12.9999 | 9000117794 | REJECTED |

2.G.1.c.1.2 Result

per account is:

- displays the determined rule
- decided whether the processing per account is "rejected" or "to process"

| proc? | rej? | CE-Objekt | Account-Type | CE-Destination | Account | gültig-ab | gültig-bis | Kommentar | CE-Action |
|-------|------|------------|---------------|----------------|----------|------------|------------|--|------------|
| ✓ | ✓ | 9000150064 | MS-AD-ACCOUNT | AD-PROD | DK017900 | 01.01.1900 | 31.12.9999 | ACCOUNT-TYPE: REJECTED,Action-Check not successful | |
| ✓ | ✓ | 9000117788 | MS-AD-ACCOUNT | AD-PROD | DK017001 | 01.01.2017 | 31.12.2999 | ACCOUNT-TYPE: REJECTED,Action-Check not successful | ACC_DELETE |
| ✓ | ✓ | 9000117793 | R3-USER | BE3-200 | DK017007 | 01.01.1994 | 31.12.9999 | R/3-USER: NOT EXISTING,Action-Check not successful | |
| ✓ | ✓ | 9000117552 | R3-USER | BE3-210 | DK017003 | 01.01.1994 | 31.12.9999 | R/3-USER: NOT EXISTING,Action-Check not successful | |

2.G.1.c.2 Account: unlock / lock

- Select rows to be processed
- Execute action

| proc.? | rej.? | CE-Objekt | Acc.-Type | Dest. | Account | gültig von | gültig bis | Kommentar | CE-Action |
|-------------------------------------|--------------------------|------------|-----------|-------------------------------|----------|------------|------------|-----------|-----------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 9000117552 | R3-USER | BE3-200 BE3-210 BE3-220 | DK017003 | 01.01.1994 | 31.12.9999 | | ACC_LOCK |

2.G.1.c.3 Account: create4

- Select rows to process
- Execute action

PopUp:

- Select target destination

| | | | |
|---------|-----------------------------|---------|---|
| BE4-100 | SAP R/3 BE4-100 (HANA - S4) | ERP-S/4 | Y |
| ID7-800 | SAP R/3 ID7-800 | ERP-R/3 | |

2.G.1.c.4 Account: re-create

- Select rows to process

| CE-Objekt | Acc.-Type | Dest. | Account | gültig von | gültig bis | Identity-Nr. | Account-Type | CE-Action |
|-----------|-----------|-------------------------------|----------|------------|------------|--------------|--------------|------------|
| DK017900 | R3-USER | BE3-200 BE3-210 BE3-220 | DK017900 | 01.01.1900 | 31.12.9999 | 9000150064 | R3-USER | Z_ACC_RCRE |

- Execute action

| proc. | rej. | Nachname | Vorname | Acc.-Type | Dest. | Offline? | Account | gültig von | gültig bis | CE-Action |
|-------------------------------------|--------------------------|----------|---------|-----------|-------------------------------|--------------------------|----------|------------|------------|------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | R3-USER | BE3-200 BE3-210 BE3-220 | <input type="checkbox"/> | DK017900 | 01.01.1900 | 31.12.9999 | Z_ACC_RCRE |

2.G.1.c.5 Account: delete

- Select rows to process
- Execute action

| proc. | rej. | CE-Objekt | Acc.-Type | Dest. | Account | gültig von | gültig bis | CE-Action |
|-------------------------------------|--------------------------|------------|-----------|-------------------------------|----------|------------|------------|------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 9000117787 | R3-USER | BE3-200 BE3-210 BE3-220 | DK017000 | 23.06.2016 | 31.12.2099 | ACC_DELETE |

2.G.1.c.6 Account: set Password

- Select rows to process
- Execute action

| proc. | rej. | CE-Objekt | Acc.-Type | Dest. | Account | gültig von | gültig bis | CE-Action |
|-------------------------------------|--------------------------|------------|-----------|-------------------------------|----------|------------|------------|-----------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 9000117787 | R3-USER | BE3-200 BE3-210 BE3-220 | DK017000 | 23.06.2016 | 31.12.2099 | Z_ACC_PW |

2.G.1.d Link Account -> Authorization Element

2.G.1.d.1 Link Account -> Authorization element: change Link-data

- Select rows to process
- Execute action

| CE-Org. | Identity-Nr. | Identification | Def.Acc. | P | U | X | Identity-E-Mail | gültig-ab | gültig-bis | Account-Type | CE-Destination | Account | gültig von | gültig bis | AE-Type | Authorization-Element-Key |
|------------|--------------|----------------|----------|---|---|---|-----------------|------------|------------|--------------|----------------|----------|------------|------------|---------|---|
| COSOL_DK01 | 9000117557 | Camilla Martin | DK010002 | 1 | | | | 01.01.1900 | 31.12.2017 | R3-USER | BE3-200 | DK010002 | 01.01.2017 | 31.12.2999 | R3-ROLE | DK01=CO_VK_SS_01X02 DK01=CO_VK_SS_01X03 DK01=CO_VK_SS_01X08 |

PopUp:

- Enter target value in attribute
- Set "Marking field"

BE3(1)/200 CE: Compliance Enforcer

CE-Mandant: Compliance Enforcer

E22 (Authorization-Element)-Attributes-Mass-Change

Validity

gültig von

fix?

gültig bis

fix?

Value

Auth-Element-Value

excluded ?

Default-Processing excluded ?

Business-Role-Processing excluded ?

2.G.1.d.2 Link Account -> Authorization element: + planned-AE

- Select rows to process
- Execute action

PopUp:

- Enter Target PIE

BE3(1)/200 + (add) Authorization-Element ?

Element-Type: R3-ROLE

Auth-Element-Key:

2.G.1.d.3 Link Account -> Authorization element: '- planned AE

- Select rows to process
- Execute action

PopUp:

- Enter Target PIE

BE3(1)/200 - (remove) Authorization-Element ?

Element-Type: R3-ROLE

Auth-Element-Key:

2.G.1.d.4 Link Account -> Authorization element: '+/- planned AE (Default & BR-derivative)

- Select rows to process
- Execute action

Per selected identity:

- Analysis Defaults & BR-derivative

2.G.1.d.5 Link Account -> Authorization element: '+ planned-AE (accept not planned)

AE which are "actual" but not planned => set "planned" (change AE in E22)

2.G.1.d.6 Link Account -> Authorization element: '- planned-AE (accept not actual)

AE which are "planned" but not "actual" => delete AE in E22

Attention: PIE are deleted in E22

2.G.1.e Authorization Element

2.G.1.e.1 Authorization element: 'Provide AE (set planned -> actual)

- Select rows to process
- Execute action

2.H Identity Creator

Identity-Creator

2.H.1 Tasks

The Identity Creator:

- is an easy-to-use userinterface forproposing/performing the following actions:
 - create Identities
 - create Accounts
 - add Authorization elements
- does notsupportany of the other actions available in the request workplace
- is available at 2 access levels:
 - Administrator Services (SAP GUI)
 - Employee Self-Services (HTML)

2.H.2 Big Picture

Identity-Creator-Functions

| CE-Id | CE-Id-Name | Nachname | Def. Acc. | rej? | creat. | changed? | Acc-Type | Dest. | Account | Templ-Dest | Templ-Acc | Kommentar | rej? | creat. | changed? | AE-Type | Authorization-Element-Key | Kommentar | rej? | add? | changed? |
|------------|------------|------------|---------------|----------|--------|----------|----------|---------|----------|------------|-----------|-----------|------|--------|----------|---------|---------------------------|-----------|------|------|----------|
| COSOL_DK01 | 9000117767 | Hensdotter | Lena | DK015018 | | | RS-USER | BE3-210 | DK015018 | | | | | | | RS-ROLE | DK01-EMNCO025-00 | | | | |
| | 9000117779 | Peter | Henensen | DK015010 | | | | BE3-220 | DK015010 | | | | | | | | DK01-EMNCO999-00 | | | | |
| | 9000117780 | Regula | Madsen | DK015003 | | | | BE3-220 | DK015003 | | | | | | | | AT01-EMNCO196-AT01Z_4001 | | | | |
| | 9000117781 | Caroline | Müller | DK010004 | | | | BE3-210 | DK010004 | | | | | | | | DK01-EMNCO025-00 | | | | |
| | 9000117788 | Dani | Moeller | DK017001 | | | | BE3-220 | DK017001 | | | | | | | | DK01-EMNCO999-00 | | | | |
| | 9000117791 | Iben | Hogh-Petersen | DK017005 | | | | BE3-220 | DK017005 | | | | | | | | AT01-EMNCO196-AT01Z_4001 | | | | |
| | 9000117792 | Nora | Mathisen | DK017006 | | | | BE3-210 | DK017006 | | | | | | | | DK01-EMNCO025-00 | | | | |
| | | | | | | | | BE3-220 | | | | | | | | | DK01-EMNCO999-00 | | | | |
| | | | | | | | | | | | | | | | | | AT01-EMNCO196-AT01Z_4001 | | | | |

Identity

Account

Authorization-Element

2.H.3 Identity Creator Functions

2.H.3.a Pushbuttons

| Icon | Function Description |
|------|---|
| | Refresh |
| | Zeilendetails anzeigen |
| | Zeile löschen |
| | upload Excel -> SAP |
| | ermitteln der Identity-Nummer zum Account |
| | bestimmen der Identity-Nummer zum Account |
| | erzeugen Zeile für existierende Identity |
| | erzeugen Zeile für noch nicht existierenden Account |
| | erzeugen Zeile für existierenden Account |
| | erzeugen Zeile für existierendes Authorization-Element |
| | erzeugen Zeile für existierende Business-Role |
| | erzeugen Zeile für gelöschttes Authorization-Element/Business-Role |
| | change Masterdata der neuen Identity |
| | change Masterdata des neuen Accounts |
| | change Masterdata des neuen Authorization-Elements |
| | create Identities/Accounts, assign Accounts, add & provide Authorization-Elements |

2.H.3.b Upload Excel -> SAP

2.H.3.b.1 Excel Template

Example:

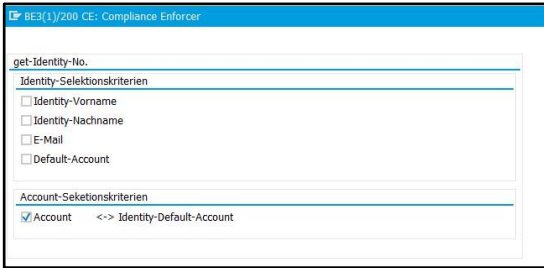
- without identity number -> should be determined later in the process

| CE: Identity | CE: Identity-Template | CE: Identity-Vorname | CE: Identity-Nachname | CE: Identity-E-Mail | CE: Identity-Default-Account | CE: Account-Type | CE: CE-Destination | CE: Account | CE: Account-Template-Destination | CE: Account-Template | CE: Authorization-Element-Type | CE: Authorization-Element |
|--------------|-----------------------|----------------------|-----------------------|---------------------|------------------------------|------------------|--------------------|-------------|----------------------------------|----------------------|--------------------------------|-------------------------------|
| | | | | | | R3_USER | BE3-220 | COSOL_LK34 | | | R3-ROLE | AT01-EMNCO106-AT01Z_4001 |
| | | | | | | R3_USER | BE3-200 | COSOL_LK34 | | | R3-ROLE | EP-HCM_ESS_R_I_GW-ARBEITSZEUG |
| | | | | | | R3_USER | BE3-200 | COSOL_LK34 | | | R3-ROLE | AT01-EMNCO106-AT01Z_4001 |
| | | | | | | R3_USER | BE3-220 | COSOL_LK35 | | | R3-ROLE | AT01-EMNCO106-AT01Z_4001 |
| | | | | | | R3_USER | BE3-220 | COSOL_LK36 | | | R3-ROLE | AT01-EMNCO106-AT01Z_4001 |
| | | | | | | R3_USER | BE3-220 | COSOL_LK37 | | | R3-ROLE | AT01-EMNCO106-AT01Z_4001 |
| | | | | | | R3_USER | BE3-220 | COSOL_LK38 | | | R3-ROLE | AT01-EMNCO106-AT01Z_4001 |
| | | | | | | R3_USER | BE3-220 | COSOL_LK39 | | | R3-ROLE | AT01-EMNCO106-AT01Z_4001 |
| | | | | | | R3_USER | BE3-220 | COSOL_LK40 | | | R3-ROLE | AT01-EMNCO106-AT01Z_4001 |
| | | | | | | R3_USER | BE3-220 | COSOL_LK41 | | | R3-ROLE | AT01-EMNCO106-AT01Z_4001 |
| | | | | | | R3_USER | BE3-220 | COSOL_LK42 | | | R3-ROLE | AT01-EMNCO106-AT01Z_4001 |
| | | | | | | R3_USER | BE3-220 | COSOL_LK43 | | | R3-ROLE | AT01-EMNCO106-AT01Z_4001 |
| | | | | | | R3_USER | BE3-220 | COSOL_LK44 | | | R3-ROLE | AT01-EMNCO106-AT01Z_4001 |
| | | | | | | R3_USER | BE3-220 | COSOL_LK45 | | | R3-ROLE | AT01-EMNCO106-AT01Z_4001 |
| | | | | | | R3_USER | BE3-220 | COSOL_LK46 | | | R3-ROLE | AT01-EMNCO106-AT01Z_4001 |
| | | | | | | R3_USER | BE3-220 | COSOL_LK47 | | | R3-ROLE | AT01-EMNCO106-AT01Z_4001 |
| | | | | | | R3_USER | BE3-220 | COSOL_LK48 | | | R3-ROLE | AT01-EMNCO106-AT01Z_4001 |
| | | | | | | R3_USER | BE3-220 | COSOL_LK49 | | | R3-ROLE | AT01-EMNCO106-AT01Z_4001 |

2.H.3.c Get Identity-No.

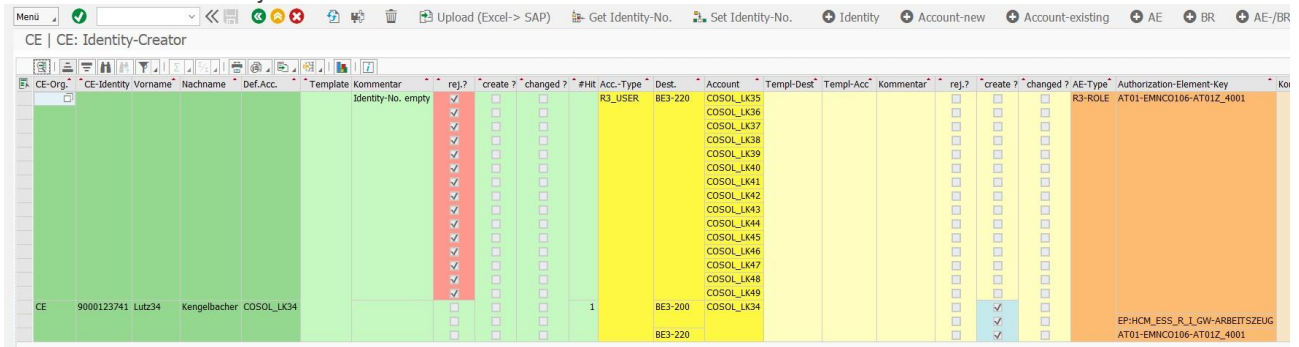
- Select rows to process
- Execute action

2.H.3.c.1 Define search criteria



2.H.3.c.2 Result

- 3 identities could be determined
- The rest are "rejected"



| CE-Orig | CE-Identity | Vorname | Nachname | Def.Acc. | Template | Kommentar | Identity-No. | rej? | create? | changed? | #Hit | Acc.-Type | Dest. | Account | Temppl-Dest | Temppl-Acc | Kommentar | rej? | create? | changed? | AE-Type | Authorization-Element-Key | |
|---------|-------------|---------|--------------|------------|----------|--------------------|--------------|------|---------|----------|------|-----------|---------|------------|-------------|------------|-----------|------|---------|----------|---------|-------------------------------|--------------------------|
| | | | | | | Identity-No. empty | | ✓ | | | | R3_USER | BE3-220 | COSOL_LK35 | | | | | | | R3-ROLE | AT01-EMNCO106-AT012_4001 | |
| | | | | | | | | ✓ | | | | | | COSOL_LK36 | | | | | | | | | |
| | | | | | | | | ✓ | | | | | | COSOL_LK37 | | | | | | | | | |
| | | | | | | | | ✓ | | | | | | COSOL_LK38 | | | | | | | | | |
| | | | | | | | | ✓ | | | | | | COSOL_LK39 | | | | | | | | | |
| | | | | | | | | ✓ | | | | | | COSOL_LK40 | | | | | | | | | |
| | | | | | | | | ✓ | | | | | | COSOL_LK41 | | | | | | | | | |
| | | | | | | | | ✓ | | | | | | COSOL_LK42 | | | | | | | | | |
| | | | | | | | | ✓ | | | | | | COSOL_LK43 | | | | | | | | | |
| | | | | | | | | ✓ | | | | | | COSOL_LK44 | | | | | | | | | |
| | | | | | | | | ✓ | | | | | | COSOL_LK45 | | | | | | | | | |
| | | | | | | | | ✓ | | | | | | COSOL_LK46 | | | | | | | | | |
| | | | | | | | | ✓ | | | | | | COSOL_LK47 | | | | | | | | | |
| | | | | | | | | ✓ | | | | | | COSOL_LK48 | | | | | | | | | |
| | | | | | | | | ✓ | | | | | | COSOL_LK49 | | | | | | | | | |
| | | | | | | | | ✓ | | | | | | COSOL_LK54 | | | | | | | | | |
| CE | 9000123741 | Lutz34 | Kengelbacher | COSOL_LK34 | | | | | | | 1 | | BE3-200 | | | | | | | | | EP:HCM_ESS_R_I_GW-ARBEITSZEUG | |
| | | | | | | | | | | | | | BE3-220 | | | | | | | | | | AT01-EMNCO106-AT012_4001 |

2.H.3.d Set Identity-No.

- Select rows to process
- Execute action

| CE-Org. | CE-Identity Vorname | Nachname | Def.Acc. | Template | Kommentar | Identity-No. empty | rej.? | create ? | changed ? | #Hit | Acc.-Type | Dest. | Account | Templ-Dest | Templ-Acc | Kommentar | rej.? | create ? | changed ? | AE-Type | Authorization-Element-Key |
|---------|---------------------|----------|--------------|------------|-----------|--------------------|-------------------------------------|--------------------------|--------------------------|------|-----------|---------|------------|------------|-----------|-----------|--------------------------|-------------------------------------|--------------------------|---------|--|
| CE | 9000123741 | Lutz34 | Kengelbacher | COSOL_LK34 | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1 | R3_USER | BE3-200 | COSOL_LK34 | | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | R3-ROLE | AT01-EMNCO106-AT01Z_4001 |
| | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | BE3-220 | | | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | EP:HCM_ESS_R_I_GW-ARBEITSSZEUG AT01-EMNCO106-AT01Z_4001 |

2.H.3.d.1 Select Set option

BE3(1)/200 CE: Compliance Enforcer

set-Identity-No.

-> alle selektierten Zeilen

1 gemeinsame bereits existierende Identity-Nr. 9000117713

1 gemeinsame neue Identity-Nr.

-> pro selektierte Zeile

1 neue Identity-Nr.

2.H.3.d.2 Result

| CE-Org. | CE-Identity Vorname | Nachname | Def.Acc. | Template | Kommentar | Identity-No. empty | rej.? | create ? | changed ? | #Hit | Acc.-Type | Dest. | Account | Templ-Dest | Templ-Acc | Kommentar | rej.? | create ? | changed ? | AE-Type | Authorization-Element-Key |
|---------|---------------------|-----------|--------------|------------|-----------|--------------------|-------------------------------------|--------------------------|--------------------------|------|-----------|---------|------------|------------|-----------|-----------|--------------------------|-------------------------------------|--------------------------|---------|--|
| CE | 9000123741 | Lutz34 | Kengelbacher | COSOL_LK34 | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1 | R3_USER | BE3-200 | COSOL_LK34 | | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | R3-ROLE | AT01-EMNCO106-AT01Z_4001 |
| | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | BE3-220 | | | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | EP:HCM_ESS_R_I_GW-ARBEITSSZEUG AT01-EMNCO106-AT01Z_4001 |
| | 9000117713 | Alexander | Köll | SE010006 | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | | | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |

2.H.3.e + Identity

- Execute action

2.H.3.e.1 Defining Selection Options

2.H.3.e.2 Select hits

| | | | | | | | | | | | | |
|--------------------------|--------------------------|----------|------------|------|------|------------|--------------------------|------------|--------------------------|-----|----------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | Lena | Hansdotter | 0000 | 0000 | 01.01.2016 | <input type="checkbox"/> | 31.10.2099 | <input type="checkbox"/> | 1 | DK015018 | Anja.Larson@mufi.dk |
| <input type="checkbox"/> | <input type="checkbox"/> | Madsen | Regula | 0000 | 0000 | 01.01.2016 | <input type="checkbox"/> | 31.12.2099 | <input type="checkbox"/> | 1 | DK015003 | Regula.Madsen@mufi.dk |
| <input type="checkbox"/> | <input type="checkbox"/> | Mathisen | Nora | 0000 | 0000 | 05.12.2016 | <input type="checkbox"/> | 30.12.9999 | <input type="checkbox"/> | 1 | DK017006 | Nora.Mathisen@mufi.dk |
| <input type="checkbox"/> | <input type="checkbox"/> | Moeller | Dori | 0000 | 0000 | 27.06.2016 | <input type="checkbox"/> | 31.12.2099 | <input type="checkbox"/> | 1 1 | DK017001 | Dori.Moeller@mufi.dk |
| <input type="checkbox"/> | <input type="checkbox"/> | Müller | Caroline | 0000 | 0000 | 01.01.2016 | <input type="checkbox"/> | 30.11.2505 | <input type="checkbox"/> | 1 | DK010004 | Caroline.Mueller@mufi.dk |

2.H.3.e.3 Result

2.H.3.f + Account-new

- Select rows to process
- Execute action

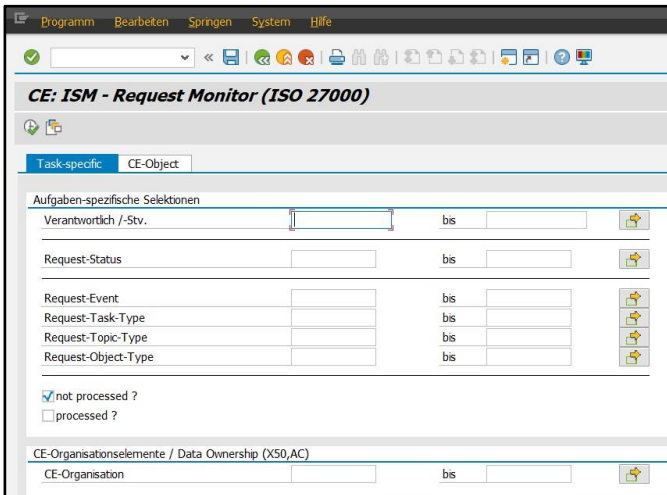
2.H.3.f.1 Select destination

2.H.3.f.2 Result

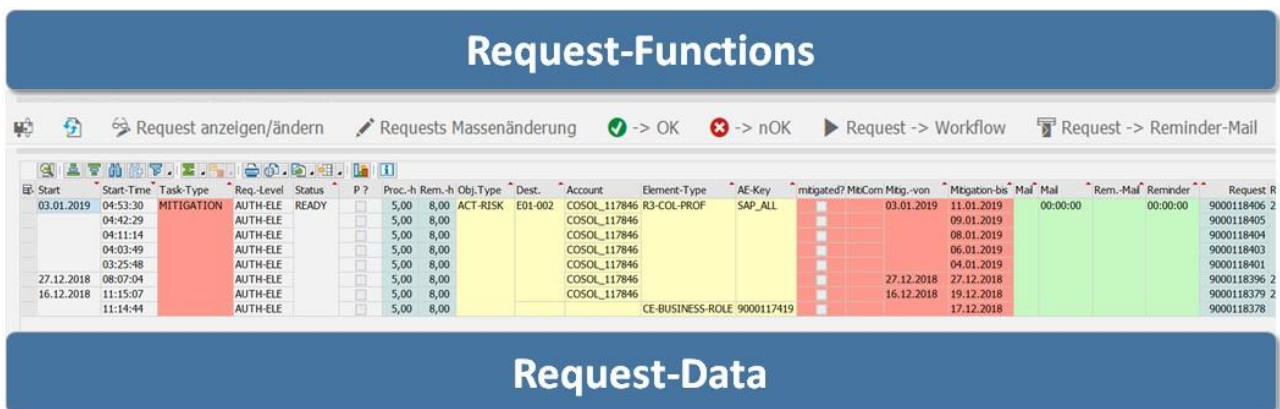
2.1 Request & Workflow

2.1.1 Request Monitor

2.1.1.a Selection screen



2.1.1.b Big Picture



2.1.1.c Request Functions

| Function | Description |
|-------------------------|---|
| View Request | The remorse is displayed with all data in the maintenance interface. |
| Request Mass Change | The master data of several (the selected) requests are changed simultaneously. |
| Request Workflow -> OK | The request is "approved" > the actions requested in the request are executed or (in the case of multi-level requests) forwarded to the next responsible person(s). |
| Request Workflow -> nOK | The request is "rejected" -> the actions requested in the request are not executed (where possibly undone). |
| Request Remeinder Email | Manual triggering of any necessary reminder e-mails. |

2.1.2 Outlook (as request inbox)

2.1.2.a E-Mail as Request -> Responsible -> for Approval / Reject

| Attachment | <div style="display: flex; justify-content: space-between;"> <div>APPROVE_request.SAP 392 Bytes</div> <div>REJECT_request.SAP 390 Bytes</div> </div> | | | | | | | | | | | | | | | | |
|-----------------------------|--|-----------------|----------------|------------|----------------|------------|---------------------|------|-----------|------------|------------|-----------------|--------|------------------|------------|----------|---------------------|
| Message | <p>Message to WF-Responsible (new activity - ready to execute)</p> <p>Request-Subject AIM-APPROVAL: Account create Request-Object Account-Type: R3-USER Destination: BE3-200 Account: COSOL_LK30 - Lutz Kengelbacher Request-Status ready Contact zusätzlicher Kontakt Lutz Kengelbacher Notice zusätzliche Notiz Info zusätzliche Information Message-from COSOL_LK - Lutz Kengelbacher</p> | | | | | | | | | | | | | | | | |
| Text | <p>Text</p> <p>Beispieltext /HSMD1/000000_XXXX: Mail-Type für Request mit approve/reject</p> | | | | | | | | | | | | | | | | |
| Task | <p>Task of Responsible</p> <p>Action ACC_CREATE Workflow-Task APPROVAL Workflow-Step 1 / 1 Workflow-Step-Responsible-0E CE/CE_Organisationseinheit 8 9000117197 Workflow-Step-Responsible-1 COSOL_LK24 Lutz24 Kengelbacher kengelbacher24@bluewin.ch Workflow-Step-Responsible-2 COSOL_LK Lutz Kengelbacher lutz_kengelbacher@cosol.ch Account-Type R3-USER Destination BE3-200 Account COSOL_LK30 Firstname Lutz Lastname Kengelbacher E-Mail lutz30.keng@test.ch</p> | | | | | | | | | | | | | | | | |
| Workflow-Information | <table border="1"> <thead> <tr> <th>Action</th> <th>WF-Step</th> <th>Entry-Type</th> <th>Change-Request</th> <th>User-Input</th> <th>User-Input</th> <th>User</th> <th>Date/Time</th> </tr> </thead> <tbody> <tr> <td>ACC_CREATE</td> <td></td> <td>REQUEST_CREATED</td> <td></td> <td></td> <td></td> <td>COSOL_LK</td> <td>2020.12.09-03:48:49</td> </tr> </tbody> </table> | Action | WF-Step | Entry-Type | Change-Request | User-Input | User-Input | User | Date/Time | ACC_CREATE | | REQUEST_CREATED | | | | COSOL_LK | 2020.12.09-03:48:49 |
| Action | WF-Step | Entry-Type | Change-Request | User-Input | User-Input | User | Date/Time | | | | | | | | | | |
| ACC_CREATE | | REQUEST_CREATED | | | | COSOL_LK | 2020.12.09-03:48:49 | | | | | | | | | | |
| Request-Details | <p>Request-Details</p> <table border="1"> <thead> <tr> <th>Feldtext</th> <th>Feldwert</th> <th>Kommentar</th> <th>Feldname</th> </tr> </thead> <tbody> <tr> <td>Mandant</td> <td>200</td> <td></td> <td>MANDT</td> </tr> <tr> <td>CE-Objekt</td> <td>9000156523</td> <td></td> <td>OBJECT</td> </tr> <tr> <td>CE-Request-Event</td> <td>AP-AC-ANAC</td> <td></td> <td>REQ_EVENT</td> </tr> </tbody> </table> | Feldtext | Feldwert | Kommentar | Feldname | Mandant | 200 | | MANDT | CE-Objekt | 9000156523 | | OBJECT | CE-Request-Event | AP-AC-ANAC | | REQ_EVENT |
| Feldtext | Feldwert | Kommentar | Feldname | | | | | | | | | | | | | | |
| Mandant | 200 | | MANDT | | | | | | | | | | | | | | |
| CE-Objekt | 9000156523 | | OBJECT | | | | | | | | | | | | | | |
| CE-Request-Event | AP-AC-ANAC | | REQ_EVENT | | | | | | | | | | | | | | |

2.1.2.b E-mail as info (e.g.) -> Account at create-Account

| | |
|----------------|---|
| Message | <p>Message to ACCOUNT</p> <p>Subject AIM-Info: Account COSOL_LK30 was created Contact info@cosol.ch Notice FAQ: www.cosol.ch/downloads/FAQ Info weitere Informationen</p> <p>Message-from COSOL_LK - Lutz Kengelbacher</p> |
| Text | <p>Text</p> <p>Beispieltext /HSMD1/000000_0000: E-mail ohne Request</p> |
| Task | <p>Information on Account</p> <p>Action ACC_CREATE Account-Type R3-USER Destination BE3-220 Account COSOL_LK30 Password Oa311469483! Firstname Lutz Lastname Kengelbacher E-Mail lutz30.keng@test.ch</p> |

2.J Identity-Assigner

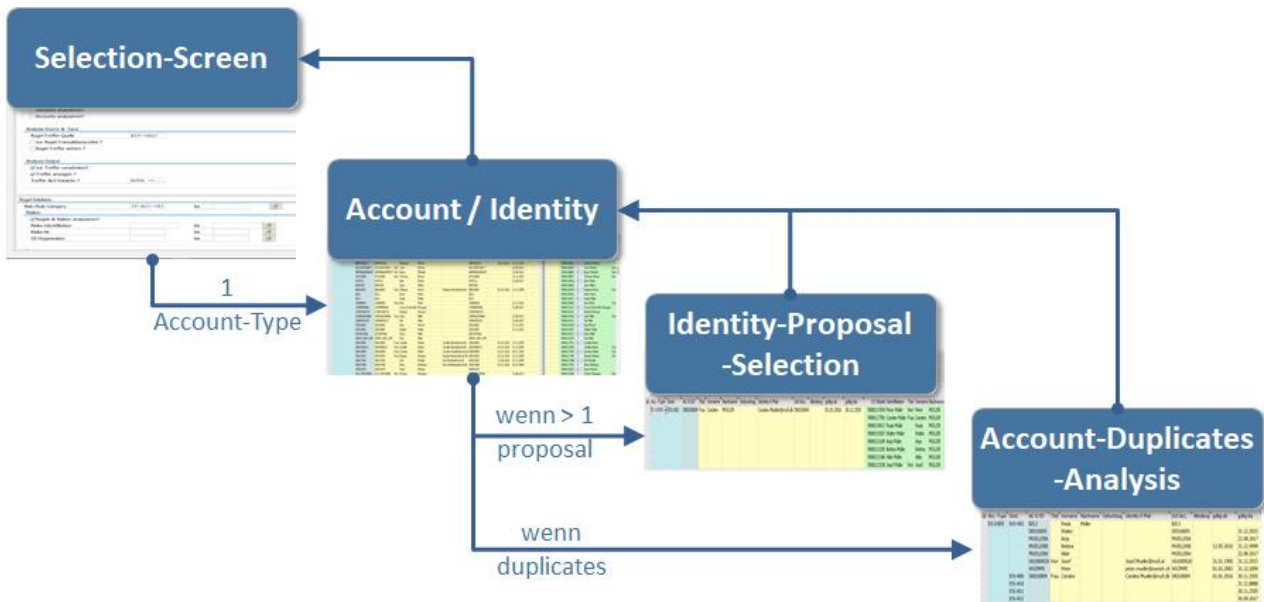
The identity assigner helps to assign accounts to identities.

- Analysis of accounts for duplicates
- Search for identity proposals for the accounts
- Selection of identity (for > 1 proposals)
- assign of the account to the identity / create der Identity

Applications:

- Project/Change: Mass Processing / Initial Load
- Operation: Case-by-case processing (e.g. duplicate error queue)

2.J.1 Navigation



2.J.2 Big Picture

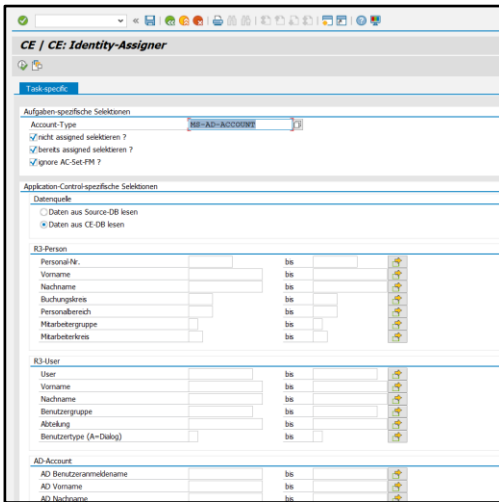
Identity-Assigner-Functions

| IP | Acc.-Type | Dest. | AC-O-ID | Identifikation | Titel | Identity-Vorname | Nachname | Geburtsdag | Identity-E-Mail | Default-Account | Abteilung | gültg-ab | gültg-bis | Kommentar | #Ht | #Dupl. | CE-Objekt | P | U | A | X | CE-Objekt-Identifikation | Titel |
|----|-----------|---------|--------------|----------------|---------|------------------|-------------------------|------------|-------------------------|-----------------|-----------|------------|------------|-----------|-----|--------|------------|---|---|---|---|--------------------------|-------|
| | R3-USER | E01-002 | ABFWEGVT | ABFWEGVT | | Renhard | Michel | | | ABFWEGVT | | 11.12.2011 | 31.12.2015 | | | | 9000118822 | 1 | | | | Renhard Michel | |
| | | | ABFWEGVX | ABFWEGVX | | Renhard | Michel | | | ABFWEGVX | | 30.12.2011 | 31.12.2015 | | | | 9000118823 | 1 | | | | Renhard Michel | |
| | | | ACCOUNTANT1 | ACCOUNTANT1 | Herr | Tom | McFee | | | ACCOUNTANT1 | | 22.08.2017 | 22.08.2017 | | | | 9000118825 | 2 | | | | Tom McFee | Her |
| | | | ARMANAGEREWT | ARMANAGEREWT | Herr | Bruce | Mitchel | | | ARMANAGEREWT | | 22.08.2017 | 22.08.2017 | | | | 9000118881 | 2 | | | | Bruce Mitchel | Her |
| | | | AT012000 | AT012000 | Herr | Thomas | Mayer | | | AT012000 | | 31.12.2015 | | | | | 9000118897 | 2 | | | | Thomas Mayer | Her |
| | | | BCM111 | BCM111 | Alan | | Martin | | | BCM111 | | 22.08.2017 | | | | | 9000118926 | 2 | | | | Alan Martin | Her |
| | | | BMUSER | BMUSER | Jane | | Milers | | | BMUSER | | | | | | | 9000118960 | 2 | | | | Jane Milers | Her |
| | | | BR010007 | BR010007 | Frau | Fabiana | Murer | | Fabiana.Murer@mufi.br | BR010007 | | 01.01.2016 | 31.12.2099 | | | | 9000118979 | 1 | | | | Fabiana Murer | Fras |
| | | | BZL2 | BZL2 | Peter | | Meer | | | BZL2 | | | | | | | 9000119016 | 2 | | | | Peter Meer | Her |
| | | | BZL3 | BZL3 | Paula | | Müller | | | BZL3 | | | | | | | 9000119017 | 2 | | | | Paula Müller | Her |
| | | | CH80003 | CH80003 | Frau | Kurt | Meer | | | CH80003 | | 31.12.2015 | | | | | 9000119083 | 1 | | | | Kurt Meer | Fras |
| | | | COMPBENNA | COMPBENNA | | | Comp & Benefits Manager | | | COMPBENNA | | 22.08.2017 | | | | | 9000119127 | 2 | | | | Comp & Benefits Manager | Fras |
| | | | CORPORATE2 | CORPORATE2 | Richard | | McLean | | | CORPORATE2 | | | | | | | 9000119141 | 2 | | | | Richard McLean | Fras |
| | | | CRMSALESMAN | CRMSALESMAN | Frau | Judy | Miler | | | CRMSALESMAN | | 22.08.2017 | | | | | 9000119169 | 2 | | | | Judy Miler | Fras |
| | | | CRMSERVICE | CRMSERVICE | Pat | | Miler | | | CRMSERVICE | | 22.08.2017 | | | | | 9000119172 | 2 | | | | Pat Miler | Fras |
| | | | DE010003 | DE010003 | Paul | | Munch | | | DE010003 | | 31.12.2015 | | | | | 9000119205 | 1 | | | | Paul Munch | Fras |
| | | | DE010005 | DE010005 | Walter | | Müller | | | DE010005 | | 31.12.2015 | | | | | 9000119207 | 1 | | | | Walter Müller | Fras |
| | | | DECENTRAL | DECENTRAL | Dave | | Miler | | | DECENTRAL | | | | | | | 9000119213 | 2 | | | | Dave Miler | Fras |
| | | | DEMO_REFX_PM | DEMO_REFX_PM | Paul | | Miler | | | DEMO_REFX_PM | | | | | | | 9000119224 | 2 | | | | Paul Miler | Fras |
| | | | DK010002 | DK010002 | Frau | Camila | Martin | | Camila.Martin@mufi.dk | DK010002 | | 01.01.2016 | 31.12.2099 | | | | 9000117557 | 5 | | | | Camila Martin | Fras |
| | | | DK01000211 | DK01000211 | Frau | Camila | Martin | | Camila.Martin@mufi.dk | DK01000211 | | 01.01.2016 | 31.12.2099 | | | | 9000119238 | 2 | | | | Camila Martin | Fras |
| | | | DK010004 | DK010004 | Frau | Caroline | Müller | | Caroline.Mueler@mufi.dk | DK010004 | | 01.01.2016 | 30.11.2505 | | | | 9000117781 | 5 | | | | Caroline Müller | Fras |

Account-Data

Identity-Data

2.J.3 Selection screen



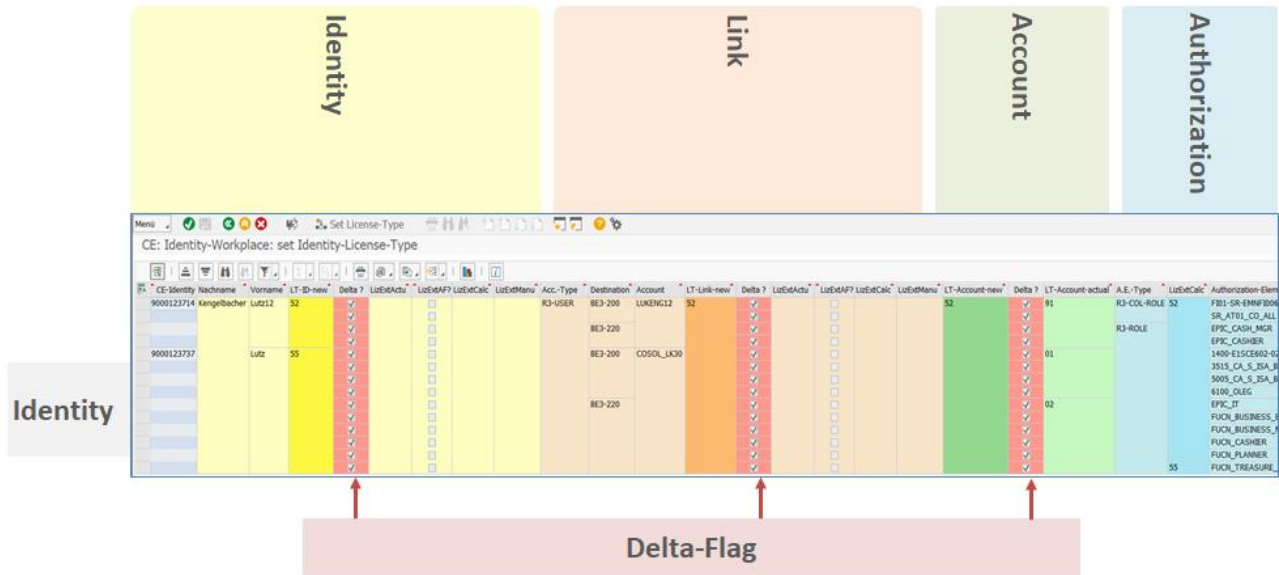
2.J.4 Pushbuttons

| | |
|-------------------------------------|--|
| Search Identity-Proposal | suchen der Identity-Vorschläge |
| Select Identity-Proposal | selektieren eines der Identity-Vorschläge |
| Select Identity | selektieren einer Identity aus den bereits vorhandenen Identities |
| Assign Account->Identity | assign des Account zu der selektierten Identity |
| Identity & Assign Account->Identity | create einer neuen Identity & assign des Account zu der neuen Identity |
| Identity | anzeigen Identity-Tree |
| Identity | anzeigen Identity-Masterdata |
| Synchronizer | ausführen Identity-Synchronizer |
| | anzeigen Identity-Synchronizer-Protocol |
| Search Account-Duplicates | suchen der Duplikate zu einem Account |
| | anzeigen der Duplikate zu einem Account |

2.K License Manager

2.K.1 Big Picture

- The license manager calculates the license type to be applied for each identity & account.
- 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 based on the permissions assigned to the respective account.
- Inheritance to the identity level is based on the customer-specific set of rules.



2.K.2 DB Update

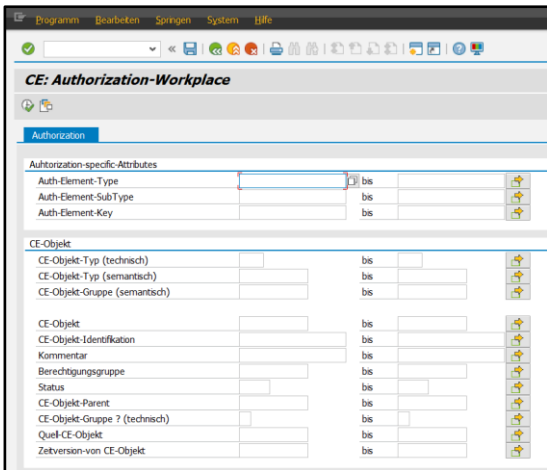
- Both the calculated license type and a manually determined license type can be saved.

The screenshot shows the 'Action-Log' window for 'Compliance Enforcer'. It details the process of setting license types for Identity, Link, and Account. The window is organized into sections for Identity, Link, and Account, each with options for 'Lizenz-Typ-extern' and 'Lizenz-Typ-intern'. For each section, there are checkboxes for 'set neu manuell' and 'set neu kalkuliert'. The 'Account' section has a checkbox for 'set Link-Lizenz-Typ-extern-aktuell'. The bottom of the window shows a legend for the license types: 'aktuell', 'fix', 'kalkuliert', 'manuell neu', and 'manuell'. A 'Selektion ausführen' button is located at the bottom right.

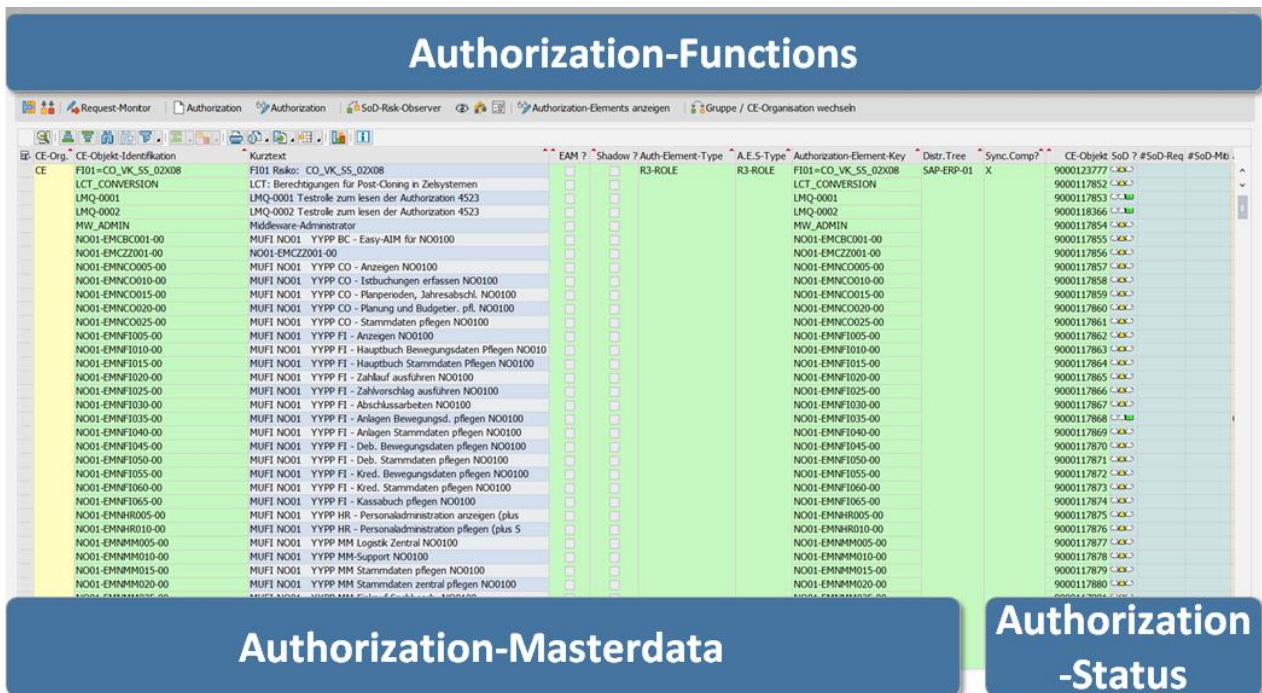
3. Authorization Manager (AM)

3.A Authorization Workplace

3.A.1 Selection screen



3.A.2 Big Picture



3-1 Big-Picture Authorization Workplace

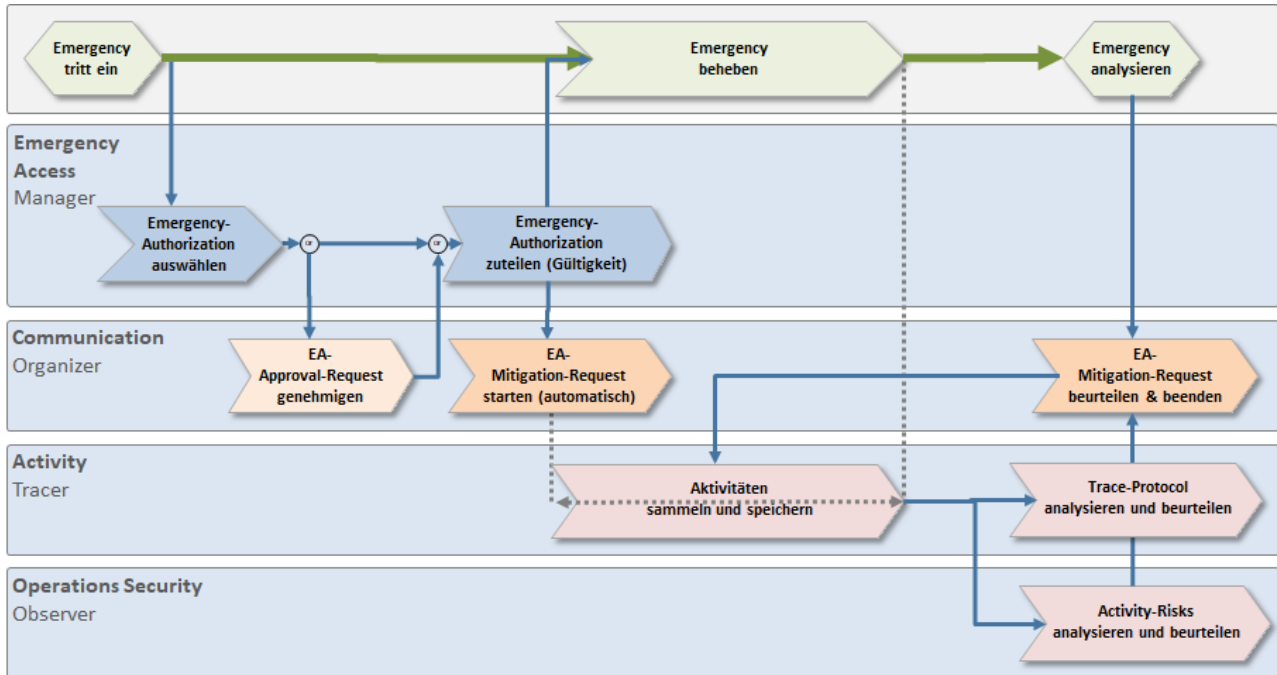
3.A.2.a Meaning of icons/statuses

| | Icon | Status |
|----------------------------------|------|--------|
| Check ist inaktiv | | - |
| Identity ist mitigiert | | G |
| es gibt noch keinen Check | | - |
| alle Risiken sind mitigiert | | G |
| nicht genutzt | | Y |
| min 1 Risiko ist nicht mitigiert | | R |

4. Emergency Access Manager (EAM)

The Emergency Access Manager [EAM] allows the assignment of "emergency permissions" and the monitoring of the activities carried out during the "emergency period".

The EAM is fully integrated into the various idFlow components.



4-1 Emergency Access Manager - Process

4.A Main

- Allocation of "emergency permissions" for a defined period of time (the allocation period is logged and defines the mandatory trace period for the activity tracer).
- Self-service or approval process for the allocation of "emergency permissions".
- Automatic recording of the user's activities within the "emergency time window" to which the "emergency permissions" have been assigned.
- Manual or automated analysis and assessment of "emergency activities" for mitigation or escalation.

4.B Highlights

- Self-service or approval process when assigning emergency permissions
- Risk templates for automated checking of activity traces
- Audit security through permanent and cross-system monitoring:
 - Security Audit Log
 - Table change logs
 - Change Documents

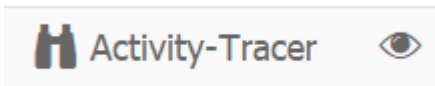
4.C Process

- Select Emergency Authorization:
 - The selection takes place (as with any other authorization) in the request workplace. The emergency period is specified via Customizing (offset, duration, maximum duration) and can be adjusted manually.
 - The optional approval process takes place in the Communication Organizer.
- Assign emergency authorization (provision)
 - The allocation is made by:
 - Approval in the approval process
 - Provisioning in the request workplace
 - A mitigation request for the approved emergency period is automatically generated.

- Collect emergency activities
 - The collection is started periodically via background processing or adhoc via the identity workplace.
- Assess emergency activities (mitigate, escalate)
 - The assessment is typically done manually after the emergency has ended.
 - The logs are called up via the identity workplace.
 - Mitigation takes place via Request-Workplace.

4.D Collect emergency activities

Pushbuttons:



- Activity Tracer (Run)
- Activity Tracer Protocol

The screenshot shows the Identity Workplace interface. On the left, there is a table of users with columns for CE-Org., Status, Identity-Nachname, Vorname, and Abte. The table lists several users, including Ahonen, Eloranta, Jouni, Somi, Mka, Tuomas, Kalevi, and Joonas. On the right, a dialog box titled 'CE: Compliance Enforcer' is open, showing the 'Activity-Trace' section. The dialog box contains fields for 'Trace-Date-from' and 'Trace-Date-to', and a checkbox for 'Emergency-Access-Trace?'. Below the dialog box, a table of activity logs is visible, showing columns for date, user, and system.

| Date | User | System |
|------------|----------------------|---------------------------------------|
| 16.01.2019 | /HSMD1/CE_ISM | /HSMD1/CE_ISM |
| 16.01.2019 | /HSMD1/CE_ISM | /HSMD1/CE_2001_A1 /HSMD1/CE_2001_A1& |
| 16.01.2019 | /HSMD1/CE_ISM | /HSMD1/CE_ISM |
| 16.01.2019 | SESSION_MANAGER | SAPMSYST 800&COSOL_LK |
| 16.01.2019 | SESSION_MANAGER | SAPMSYST A&1&P |
| 16.01.2019 | SESSION_MANAGER | SAPMSYST A&0&P |
| 16.01.2019 | SESSION_MANAGER | RSRZLLG0 RSRZLLG0& |
| 16.01.2019 | SESSION_MANAGER | RSRZLLG0_ACTUAL RSRZLLG0_ACTUAL& |
| 16.01.2019 | SM30 | SM30 |
| 16.01.2019 | SM30 | SAPMSVMA -&11&/1BCF41/T77FL |
| 16.01.2019 | SESSION_MANAGER | SAPMSYST A&0&P |
| 16.01.2019 | SESSION_MANAGER | RSRZLLG0 RSRZLLG0& |
| 16.01.2019 | SESSION_MANAGER | RSRZLLG0_ACTUAL RSRZLLG0_ACTUAL& |
| 16.01.2019 | /HSMD1/CE_ISM | /HSMD1/CE_ISM |
| 16.01.2019 | /HSMD1/CE_ISM | /HSMD1/CE_2001_A1 /HSMD1/CE_2001_A1& |
| 16.01.2019 | /HSMD1/CE_OPE_AIM_72 | /HSMD1/CE_2001_A1 /HSMD1/CE_OPE_AIM_7 |
| 16.01.2019 | /HSMD1/CE_OPE_AIM_72 | /HSMD1/CE_2040_M1 /HSMD1/CE_2040_M1& |
| 16.01.2019 | /HSMD1/CE_OPE_AIM_72 | /HSMD1/CE_2040_M1 /HSMD1/CE_2040_M1& |
| 16.01.2019 | SESSION_MANAGER | SAPMSYST A&0&P |

4-2 Emergency Access Manager - Dialog control

4.E Automated evaluation of emergency activities

In addition to the possibility to manually analyze the activities collected by the activity tracer ad hoc, an automated analysis based on defined risks can also be carried out.

The corresponding set of rules can and should be generated / supplemented company-specifically. This makes it possible to map and check the very different risks in reality. (e.g. the unauthorized display of a bill of materials in one company can already pose a great risk, while this activity is unproblematic elsewhere)

4.F Operations Security Observer (Risk Observer)

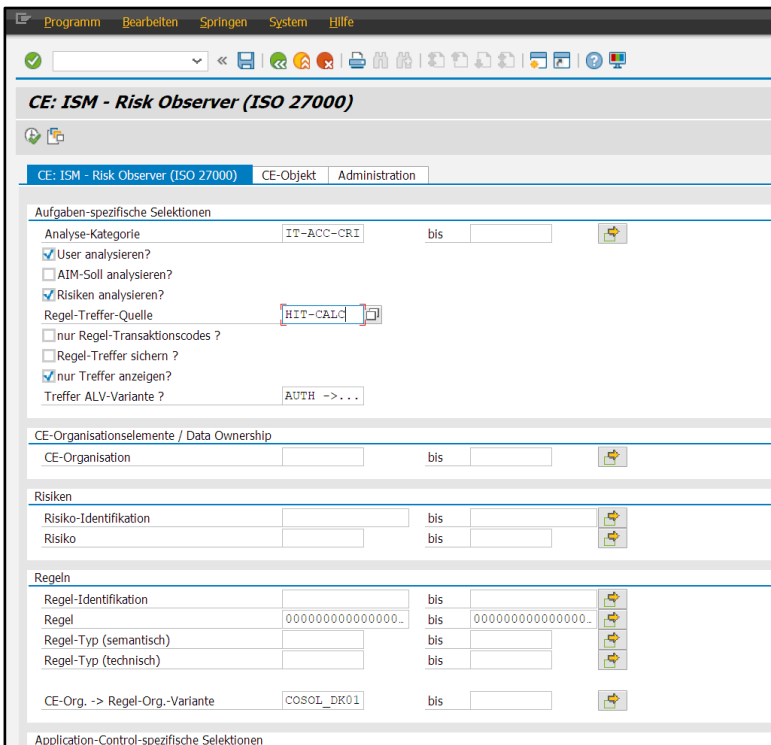
Risk-Observer

The main tasks of our Operations Security Observer are:

- Monitoring of activities and actual risks
- Provide workflow functionality for policy violation assessment and mitigation
- Provision of rule templates

Through automated monitoring of the defined rules, our risk observer ensures that the policies are permanently adhered to or are assessed, documented and dealt with in the event of a violation.

Random and time-consuming checks, the results of which are often inaccurate and not auditable, are thus a thing of the past.



4-3 - Risk Observer selection screen

The screenshot shows the main interface of the Risk Observer, displaying a table of risk requests. The table has the following columns: Dest., User?, User-ID, Risik., CE-Org., Risiko-Bezeichnung, Request, Status, von-Datu., bis-Datum, M, Typ, Mitigator, Reg.?, CE-Org., Regel-ID, and Kommentar.

| Dest. | User? | User-ID | Risik. | CE-Org. | Risiko-Bezeichnung | Request | Status | von-Datu. | bis-Datum | M | Typ | Mitigator | Reg.? | CE-Org. | Regel-ID | Kommentar |
|---------|-------|----------|--------|---------|--|------------|--------|------------|------------|---|-----|-----------|------------|---------|-------------|-------------|
| E01-002 | H | COSOL_HS | H | CE | Debitorenstammdaten pflegen und Kundenauftrag... | 9000117298 | READY | 03.09.2017 | 31.12.9999 | | Y | CE-X50 | 9000117204 | H | YZ_SD_RS_01 | YZ_SD_RS_01 |
| | | DK010002 | | | | | | | | | | | | | YZ_SD_RS_02 | YZ_SD_RS_02 |
| | | DK015010 | | | | | | | | | | | | | YZ_SD_RS_01 | YZ_SD_RS_01 |
| | | DK015015 | | | | | | | | | | | | | YZ_SD_RS_02 | YZ_SD_RS_02 |
| | | DK017004 | | | | 9000117298 | READY | 03.09.2017 | 31.12.9999 | | | | | | YZ_SD_RS_01 | YZ_SD_RS_01 |
| | | DK017900 | | | | | | | | | | | | | YZ_SD_RS_02 | YZ_SD_RS_02 |
| | | NO010001 | | | | 9000117299 | READY | 03.09.2017 | 31.12.9999 | | | | | | YZ_SD_RS_01 | YZ_SD_RS_01 |
| | | NO010003 | | | | | | | | | | | | | YZ_SD_RS_02 | YZ_SD_RS_02 |
| | | NO010004 | | | | 9000117300 | | | | | | | | | YZ_SD_RS_01 | YZ_SD_RS_01 |
| | | NO010011 | | | | | | | | | | | | | YZ_SD_RS_02 | YZ_SD_RS_02 |

4-4 Risk-Observer

4.G Process

| | |
|----|--|
| 0 | Notfall-Berechtigungen sollen vergeben werden |
| 1A | Emergency-Authorization auswählen und zuteilen |
| 1B | Gültigkeit setzen |
| 1C | Provisionierung / Kommentar erfassen |
| 2 | Activity-Tracer durchführen |
| 3A | Activity-Tracer-Protokoll analysieren |
| 3B | Emergency-Access-Request mitigieren |

4.G.1 (1A) Select and assign emergency authorization

An emergency authorization is available at the icon and flag in the column EAM? To recognize.

| AE-Group | Authorization-Element-Key | Authorization-Element-Text | Distr.Tree Branch | IST | Soll | Soll + | Soll - | gültig von | gültig bis | n.v.? | EAM ? |
|----------|---------------------------|---|-------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|------------|------------|--------------------------|-------------------------------------|
| | WWZ_ZZ_SOD1_VK_SS_01X02 | SOD-Konflikt Demorolle 1 CO_VK_SS_01X02 | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

4.G.1.a (1B) Validate

By setting Soll+, the default validity period is automatically set.

| AE-Group | Authorization-Element-Key | Authorization-Element-Text | Distr.Tree Branch | IST | Soll | Soll + | Soll - | gültig von | gültig bis | n.v.? | EAM ? |
|----------|---------------------------|---|-------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|------------|------------|--------------------------|-------------------------------------|
| | WWZ_ZZ_SOD1_VK_SS_01X02 | SOD-Konflikt Demorolle 1 CO_VK_SS_01X02 | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 12.02.2019 | 13.02.2019 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

The validity period can be adjusted

4.G.1.b (1C) Provisioning / Entering comments

Provisioning automatically generates an EA request.

A comment can be entered in the pop-up that appears.

The comment is stored in the SoD request and can serve as information for the mitigator.

4.G.2 (2) Activity tracer

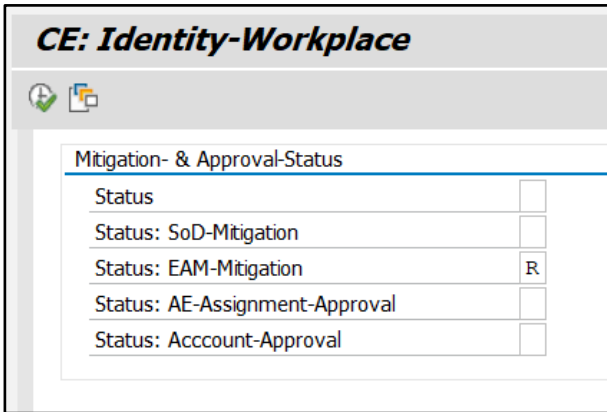
4.G.2.a Perform activity tracers

Activity-Tracer

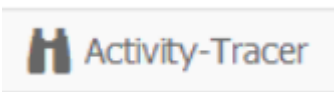
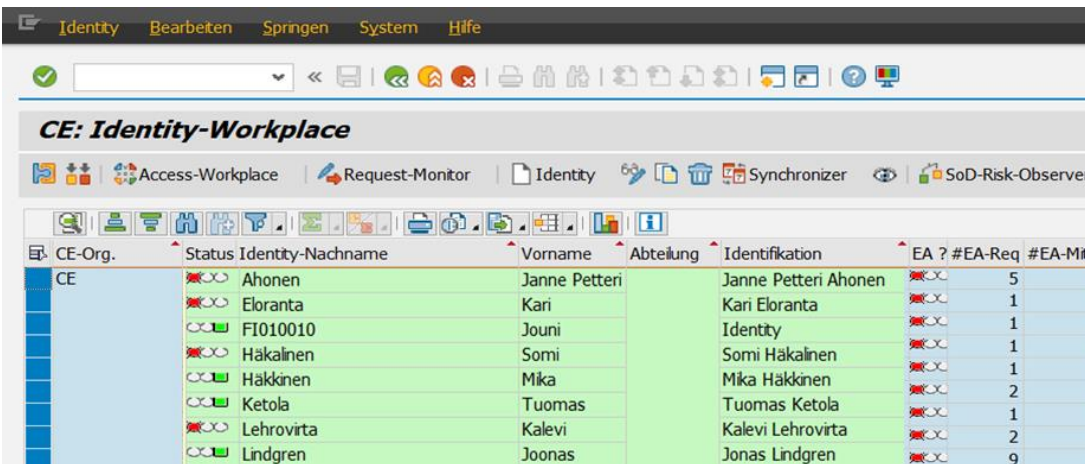
This activity is performed periodically (e.g. monthly) and can be performed both in dialogue and as background processing.

4.G.2.a.1 Start Identity Workplace

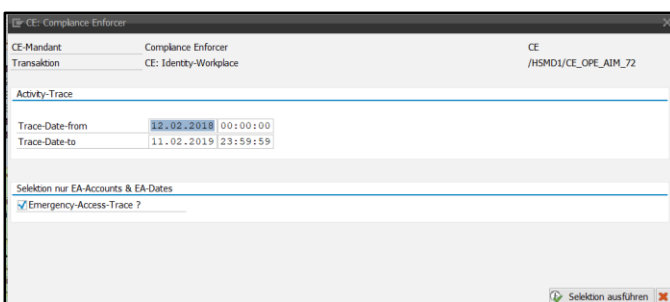
Select identities with open emergency requests (optional).



4.G.2.a.2 Running the Activity Tracer



4.G.2.a.3 Pop-Up - Selection Period



By selecting the "Emergency Access Trace" option, only days on which an emergency access took place are analyzed. (an emergency role was assigned that day)

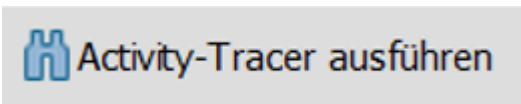
4.G.2.a.4 Select Emergency Access Days

For each identity, the days in the time span are displayed.

From the maximum available number of days, only one sub-set can be selected.

The screenshot shows the 'CE: Activity Tracer' application window. It features a toolbar with various icons and a table with the following columns: Date-from, CE-Objekt, CE-Org., gültig-ab, and gültig-bis. The table contains data for dates from 16.12.2018 to 28.12.2018, with CE-Objekt values of 9000117846 and 9000150052, and CE-Org. value of CE. The validity dates range from 27.08.2007 to 31.12.9999.

| Date-from | CE-Objekt | CE-Org. | gültig-ab | gültig-bis |
|------------|------------|---------|------------|------------|
| 16.12.2018 | 9000117846 | CE | 27.08.2007 | 31.12.9999 |
| | 9000150052 | | 07.10.2018 | |
| 17.12.2018 | 9000117846 | | 27.08.2007 | |
| | 9000150052 | | 07.10.2018 | |
| 18.12.2018 | 9000117846 | | 27.08.2007 | |
| | 9000150052 | | 07.10.2018 | |
| 19.12.2018 | 9000117846 | | 27.08.2007 | |
| | 9000150052 | | 07.10.2018 | |
| 20.12.2018 | | | | |
| 21.12.2018 | | | | |
| 22.12.2018 | | | | |
| 23.12.2018 | | | | |
| 24.12.2018 | | | | |
| 25.12.2018 | | | | |
| 26.12.2018 | | | | |
| 27.12.2018 | 9000117846 | | 27.08.2007 | |
| | 9000150052 | | 07.10.2018 | |
| 28.12.2018 | | | | |



=> trace is performed and stored

4.G.2.b (3A) Analyze activity tracer log

4.G.2.b.1 Start Identity Workplace

Select identities with open emergency requests (optional).

The screenshot shows the 'CE: Identity-Workplace' application window. It contains a section titled 'Mitigation- & Approval-Status' with a list of items and checkboxes:

- Status
- Status: SoD-Mitigation
- Status: EAM-Mitigation R
- Status: AE-Assignment-Approval
- Status: Account-Approval

4.G.2.b.2 Running the Activity Tracer

| CE-Org. | Status | Identity-Nachname | Vorname | Abteilung | Identifikation | EA ? | #EA-Req | #EA-Miti |
|---------|--------|-------------------|---------------|-----------|----------------------|------|---------|----------|
| CE | | Ahonen | Janne Petteri | | Janne Petteri Ahonen | | 5 | |
| | | Eloranta | Kari | | Kari Eloranta | | 1 | |
| | | FI010010 | Jouni | | Identity | | 1 | |
| | | Häkäläinen | Somi | | Somi Häkäläinen | | 1 | |
| | | Häkkinen | Mika | | Mika Häkkinen | | 2 | |
| | | Ketola | Tuomas | | Tuomas Ketola | | 1 | |
| | | Lehrovirta | Kalevi | | Kalevi Lehrovirta | | 2 | |
| | | Lindgren | Joonas | | Jonas Lindgren | | 9 | |

4.G.2.b.3 Selection screen

CE-Mandant: Compliance Enforcer
 Transaktion: CE: Identity-Workplace
 CE: /HSMD1/CE_OPE_AIM_72

Activity-Trace

Trace-Date-from: 12.02.2018 00:00:00
 Trace-Date-to: 11.02.2019 23:59:59

Selektion nur EA-Accounts & EA-Dates
 Emergency-Access-Trace ?

Selektion ausführen

4.G.2.b.4 Results list

| Acc.-Type | Dest. | Account | Trace-Date | Transaktionscode | Programm | variable Daten für Meldung |
|-----------|---------|----------|------------|----------------------|-------------------|----------------------------|
| R3-USER | E01-002 | COSOL_LK | 16.01.2019 | SESSION_MANAGER | SAPMSYST | A&0&P |
| | | | 16.01.2019 | SESSION_MANAGER | RSRZLLG0 | RSRZLLG0& |
| | | | 16.01.2019 | SESSION_MANAGER | RSRZLLG0_ACTUAL | RSRZLLG0_ACTUAL& |
| | | | 16.01.2019 | /HSMD1/CE_ISM | | /HSMD1/CE_ISM |
| | | | 16.01.2019 | /HSMD1/CE_ISM | /HSMD1/CE_2001_A1 | /HSMD1/CE_2001_A1& |
| | | | 16.01.2019 | /HSMD1/CE_ISM | | |
| | | | 16.01.2019 | SESSION_MANAGER | SAPMSYST | 800&COSOL_LK |
| | | | 16.01.2019 | SESSION_MANAGER | SAPMSYST | A&1&P |
| | | | 16.01.2019 | SESSION_MANAGER | SAPMSYST | A&0&P |
| | | | 16.01.2019 | SESSION_MANAGER | RSRZLLG0 | RSRZLLG0& |
| | | | 16.01.2019 | SESSION_MANAGER | RSRZLLG0_ACTUAL | RSRZLLG0_ACTUAL& |
| | | | 16.01.2019 | SM30 | | SM30 |
| | | | 16.01.2019 | SM30 | SAPMSVMA | -&I!&/1BCF41/T77FL |
| | | | 16.01.2019 | SESSION_MANAGER | | |
| | | | 16.01.2019 | SESSION_MANAGER | SAPMSYST | A&0&P |
| | | | 16.01.2019 | SESSION_MANAGER | RSRZLLG0 | RSRZLLG0& |
| | | | 16.01.2019 | SESSION_MANAGER | RSRZLLG0_ACTUAL | RSRZLLG0_ACTUAL& |
| | | | 16.01.2019 | /HSMD1/CE_ISM | | /HSMD1/CE_ISM |
| | | | 16.01.2019 | /HSMD1/CE_ISM | /HSMD1/CE_2001_A1 | /HSMD1/CE_2001_A1& |
| | | | 16.01.2019 | /HSMD1/CE_OPE_AIM_72 | /HSMD1/CE_2001_A1 | /HSMD1/CE_OPE_AIM_7 |
| | | | 16.01.2019 | /HSMD1/CE_OPE_AIM_72 | /HSMD1/CE_2040_M1 | /HSMD1/CE_2040_M1& |
| | | | 16.01.2019 | /HSMD1/CE_OPE_AIM_72 | | |
| | | | 16.01.2019 | SESSION_MANAGER | SAPMSYST | A&0&P |

5. Risk Observer (RO)

5.A Periodic SoD testing

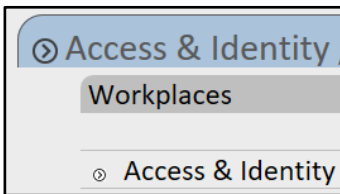
There are two different SoD exams:

- Identity (all authorizations assigned to a person are checked together)
- Authorization (each authorization is checked separately)

The checks can be carried out both in dialogue and in the background.

5.A.1 Perform an Identity SoD check

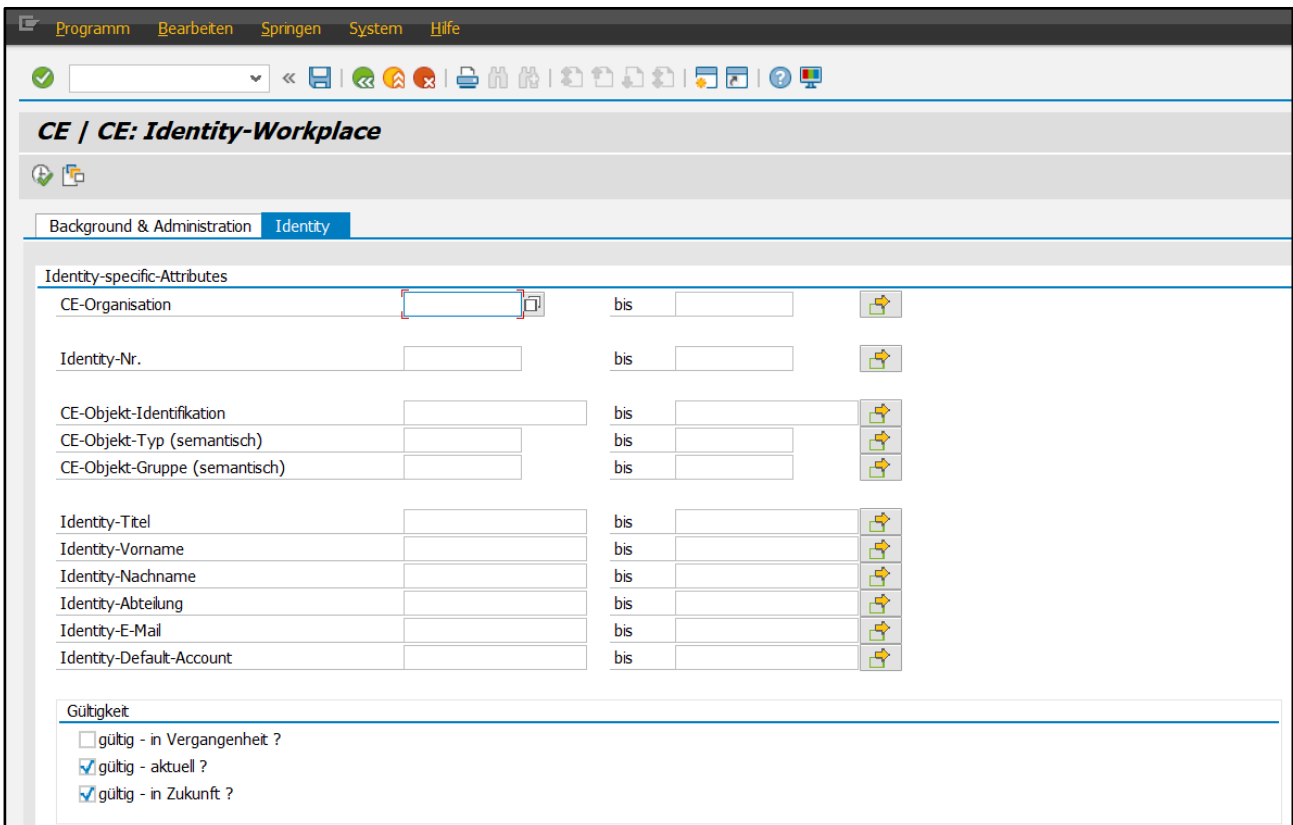
5.A.1.a Access & Identity Workplace



5.A.1.b Perform selections

The selection influences:

- The number of hits for the ALV grid display (dialog processing)
- the number of hits for the SoD check (background processing)

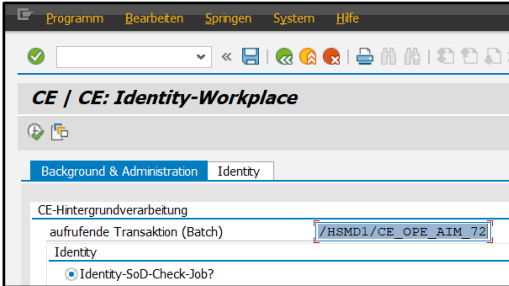


5.A.1.c Background Processing -> Job Scheduling

By selecting the option "Identity SoD Job", it is recognized that the hit identities should not be displayed in an ALV grid, but that the SoD check should be performed in the background for the hit identities.

5.A.1.c.1 Set Job Option

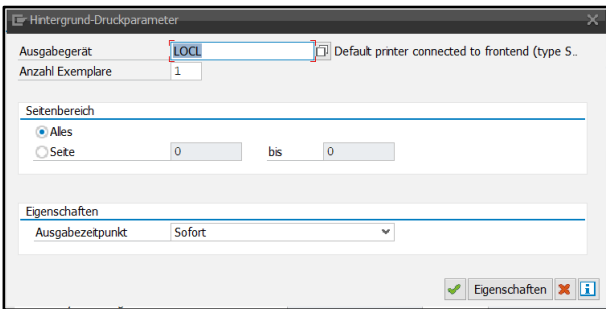
Set "Identity SoD Job"



5.A.1.c.2 Schedule a background job



5.A.1.c.3 Maintaining Parameters



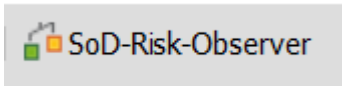
5.A.1.d Dialog Processing

5.A.1.d.1 Mark Identities hits

Select all or a subset

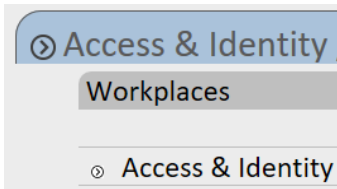
| CE-Objekt | Status | Nachname | Vorname | Geburtsstag | Abteilung | CE-Objekt-Identifikation | Def. Acc. | Identity-E-Mail | gültig-ab | gültig-bis | CE-Objekt | SoD ? | #SoD-Req | #SoD-Mit | an |
|------------|--------|---------------|----------------|-------------|-----------|----------------------------|-----------|--------------------------------|------------|------------|------------|-------|----------|----------|----|
| COSOL_DK01 | | Alm | Maja | | | Maja Alm | DK017002 | Maja.Alm@mufi.dk | 28.06.2016 | 31.12.2099 | 9000117789 | | | | 17 |
| | | Beantrager | DK01 | | | DK01 Beantrager | DK01BEAN | Gunde.svan@eam.se | 01.01.2016 | | 9000117774 | | | | 17 |
| | | Blume | Pernille Sonja | | | Pernille Sonja de la Blume | DK017003 | Claudia_Blume@mufi.dk | 01.01.1994 | 31.12.9999 | 9000117552 | | | | 05 |
| | | Elstrup | Lars | | | Lars Elstrup | DK015012 | Lars.Elstrup@mufi.dk | 01.01.2016 | 31.12.2099 | 9000117777 | | | | 17 |
| | | Fish | Freda | | | Mrs Freda Fish | DK015016 | Nora.Hanson@mufi.dk | 01.01.2003 | 31.12.9999 | 9000117768 | | | | 17 |
| | | Genehmiger | DK01 | | | DK01 Genehmiger | DK01GENE | Gunde.svan@eam.dk | 01.01.2016 | 31.12.2099 | 9000117775 | | | | 17 |
| | | Hauser | Daniela | | | Daniela Hauser | DK017008 | | 06.12.2016 | 30.12.9999 | 9000117794 | | | | 17 |
| | | Henderson | Lorena | | | Lorana Henderson | DK015031 | Lorena.Henderson@mufi.dk | 01.01.2016 | 31.12.2099 | 9000117785 | | | | 17 |
| | | Henensen | Peter | | | Peter Henensen | DK015010 | Peter.Henensen@mufi.dk | | | 9000117779 | | | | 17 |
| | | Hogh-Petersen | Iben | | | Iben Hogh-Petersen | DK017005 | | 17.08.2016 | | 9000117791 | | | | 17 |
| | | Lena | Hansdotter | | | Hansdotter Lena | DK015018 | Anja.Larson@mufi.dk | 01.01.2016 | 31.10.2099 | 9000117767 | | | | 17 |
| | | Lynck Hansen | Peter | | | Peter Lynck Hansen | DK017000 | Peter.LynckHansen@mufi.dk | 23.06.2016 | 31.12.2099 | 9000117787 | | | | 25 |
| | | Madsen | Regula | | | Regula Madsen | DK015003 | Regula.Madsen@mufi.dk | 01.01.2016 | | 9000117780 | | | | 17 |
| | | Mathisen | Nora | | | Nora Mathisen | DK017006 | Nora.Mathisen@mufi.dk | 05.12.2016 | 30.12.9999 | 9000117792 | | | | 27 |
| | | Moeller | Dori | | | Dori Moeller | DK017001 | Dori.Moeller@mufi.dk | 27.06.2016 | 31.12.2099 | 9000117788 | | | | 17 |
| | | Müller | Caroline | | | Caroline Müller | DK010004 | Caroline.Mueller@mufi.dk | 01.01.2016 | 30.11.2505 | 9000117781 | | | | 17 |
| | | Mustermann | Sören | | | Sören Mustermann | mustsoer | soeren.mustermann@mufi.dk | 03.03.2019 | 31.12.9999 | 9000152343 | | | | 17 |
| | | Norman | Lasse | | | Lase Norman | DK015002 | Lasse.Norml@mufi.dk | 02.01.2016 | 30.12.2099 | 9000117783 | | | | 17 |
| | | Olson | Nico | | | Nico Olson | DK015053 | Nico.Olson@mufi.dk | 01.01.2016 | 31.12.2099 | 9000117782 | | | | 17 |
| | | Ottesen | Jeanette | | | Jeanette Ottesen | DK010001 | Jeanette.Ottesen@mufi.dk | | | 9000117776 | | | | 17 |
| | | Pedersen | Anton | | | Anton Pedersen | DK015005 | Anton.Pedersen@mufi.dk | | | 9000117773 | | | | 17 |
| | | Rikke | Möller | | | Rikke Möller Pedersen | DK015040 | Rikke.Moeller.Pedersen@mufi.dk | | | 9000117786 | | | | 17 |
| | | Petersen | Sara Slott | | | Sara Slott Petersen | DK017004 | Sara.Slott.Petersen@mufi.dk | 17.08.2016 | | 9000117790 | | | | 17 |
| | | Rasmussen | Rike | | | Rike Rasmussen | DK015025 | Rike.Rasmussen@mufi.dk | 01.01.2016 | | 9000117784 | | | | 17 |
| | | Rindom | Anne-Marie | | | Anne-Marie Rindom | DK015009 | Anne-Marie.Rindom@mufi.dk | | | 9000117772 | | | | 17 |
| | | Sørensen | Anna | | | Anna Sørensen | DK015007 | Anna.Sorensen@mufi.dk | | | 9000117771 | | | | 17 |
| | | Spital | Rta | | | Rta Spital | DK015001 | Rta.Spital@mufi.dk | | | 9000117782 | | | | 17 |
| | | Swenson | Anja | | | Anja Swenson | DK015004 | Anja.Swenson@mufi.dk | | 28.02.2099 | 9000117766 | | | | 17 |
| | | Woznaicki | Caroline | | | Caroline Woznaicki | DK010003 | | | 30.11.2505 | 9000117610 | | | | 17 |

5.A.1.d.2 Start SoD scan

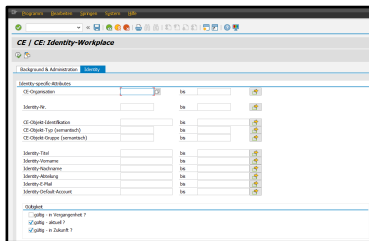


5.A.2 Analyze Identity SoD Check Result

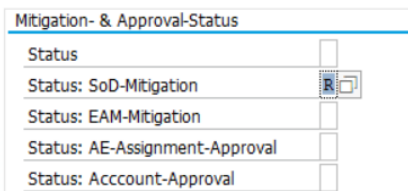
5.A.2.a Access & Identity Workplace



5.A.2.b Perform selections



It may make sense to select only those identities that have SoD risks.

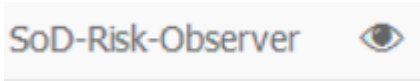


5.A.2.c Select Identities

| CE-Obj. | Status | Identity-Nachname | Vorname | Abteilung | Identifikation | Def.Acc. | Identity-E-Mail | gueltig-ab | gueltig-bis | CE-Objekt | SoD ? | #SoD-Req | #SoD-Miti | angelegt am | Risks | Users | #Dest. | Rules | #AE |
|---------|---------------------|-------------------|--------------------|---------------------|-------------------------------|------------------------------|------------------------|------------|-------------|------------|------------|----------|------------|-------------|-------|-------|--------|-------|-----|
| WWZ | ● | Auer | Nicole | FK | Nicole Auer | WVZAUH | Nicole.Auer@zuerich.ch | 01.10.2010 | 31.12.9999 | 35790 | ● | 12 | 07.09.2018 | 12 | 1 | 1 | 8 | 3 | |
| ● | Benabdalah | Nacim | Nacim Benabdalah | WVZBEI | Nacim.Benabdalah@zuerich.ch | 01.06.2018 | 39245 | ● | 12 | 22.11.2018 | 12 | 1 | 1 | 8 | 3 | | | | |
| ● | Berni | Marco | Marco Berni | WVZBEF | marco.berni@zuerich.ch | 01.03.2016 | 35901 | ● | 12 | 07.09.2018 | 12 | 1 | 1 | 8 | 3 | | | | |
| ● | Fraefel | Salma | Salma Fraefel | WVZFRL | salma.fraefel@zuerich.ch | 01.03.2018 | 35946 | ● | 4 | 07.09.2018 | 4 | 1 | 1 | 8 | 5 | | | | |
| ● | Furrer | Ernst | Ernst Furrer | WVZFUE | Ernst.Furrer@zuerich.ch | 01.06.2004 | 35628 | ● | 3 | 07.09.2018 | 3 | 1 | 1 | 5 | 2 | | | | |
| ● | Good | Simon | Simon Good | WVZGOS | Simon.Good@zuerich.ch | 14.02.2005 | 35634 | ● | 10 | 07.09.2018 | 10 | 1 | 1 | 15 | 7 | | | | |
| ● | Gunduz | Ali | Ali Gunduz | WVZGUA | ali.guenduez@zuerich.ch | 03.01.2018 | 35941 | ● | 3 | 07.09.2018 | 3 | 1 | 1 | 6 | 6 | | | | |
| ● | Hägi | Sandra | Sandra Hägi | WVZHAS | Sandra.Haep@zuerich.ch | 01.11.2004 | 35632 | ● | 3 | 07.09.2018 | 3 | 1 | 1 | 6 | 6 | | | | |
| ● | Heck (Budget PL) | | Heck (Budget PL) | WVZHEAX | t.heck@zuerich.ch | 01.12.2011 | 31.05.2019 | 39288 | ● | 2 | 18.01.2019 | 2 | 1 | 1 | 4 | 4 | | | |
| ● | Huber | Werner | Werner Huber | WVZHUV | Werner.Huber@zuerich.ch | 15.04.2005 | 31.03.2019 | 35638 | ● | 2 | 07.09.2018 | 2 | 1 | 1 | 4 | 2 | | | |
| ● | Ivanovic | Danijela | Danijela Ivanovic | WVZIVD | Danijela.Ivanovic@zuerich.ch | 01.07.2009 | 31.12.9999 | 35755 | ● | 12 | 07.09.2018 | 12 | 1 | 1 | 8 | 3 | | | |
| ● | Oswald | Anita | Anita Oswald | WVZOSA | anita.oswald@zuerich.ch | 01.04.2013 | 35833 | ● | 12 | 07.09.2018 | 12 | 1 | 1 | 8 | 3 | | | | |
| ● | Raimann | Andreas | Andreas Raimann | WVZRAA | andreas.raimann@zuerich.ch | 01.08.2014 | 35864 | ● | 8 | 07.09.2018 | 8 | 1 | 1 | 14 | 8 | | | | |
| ● | Roos | Stefan | Stefan Roos | WVZROS | Stefan.Roos@zuerich.ch | 01.01.2000 | 35538 | ● | 3 | 07.09.2018 | 3 | 1 | 1 | 5 | 2 | | | | |
| ● | Schärer | Hanspeter | Hanspeter Schärer | WVZSCA | Hanspeter.Schaerer@zuerich.ch | 01.05.2018 | 35500 | ● | 3 | 07.09.2018 | 3 | 1 | 1 | 3 | 1 | | | | |
| ● | Schenker | Adrian | Adrian Schenker | WVZSAD | Adrian.Schenker@zuerich.ch | 03.01.2007 | 35674 | ● | 3 | 07.09.2018 | 3 | 1 | 1 | 3 | 1 | | | | |
| ● | Schmid | Jeanette | Jeanette Schmid | WVZSJE | Jeanette.Schmid@zuerich.ch | 01.01.2000 | 35504 | ● | 12 | 07.09.2018 | 12 | 1 | 1 | 8 | 3 | | | | |
| ● | Sebastian | Kühne | Sebastian Kühne | WVZKUE | Sebastian.Kuehne@zuerich.ch | 18.02.2017 | 39301 | ● | 22 | 07.02.2019 | 22 | 1 | 1 | 21 | 64 | | | | |
| ● | Sez | Yves | Yves Sez | WVZSEY | Yves.Sez@zuerich.ch | 01.01.2000 | 35543 | ● | 4 | 07.09.2018 | 4 | 1 | 1 | 8 | 7 | | | | |
| ● | Stettler | Christina | Christina Stettler | WVZSTH | christina.stettler@zuerich.ch | 01.11.2013 | 35851 | ● | 1 | 07.09.2018 | 1 | 1 | 1 | 2 | 1 | | | | |
| ● | Trüb | Mengia | Mengia Trüb | WVZTRM | Mengia.Trueb@zuerich.ch | 01.05.2018 | 35953 | ● | 3 | 07.09.2018 | 3 | 1 | 1 | 6 | 6 | | | | |
| ● | Vilanova | Irene | Irene Vilanova | WVZVII | Irene.Vilanova@zuerich.ch | 03.04.2006 | 35659 | ● | 3 | 07.09.2018 | 3 | 1 | 1 | 6 | 6 | | | | |
| ● | von Arb | Nadja | Nadja von Arb | WVZVUB | Nadja.vonArb@zuerich.ch | 01.01.2017 | 35921 | ● | 7 | 07.09.2018 | 7 | 1 | 1 | 12 | 7 | | | | |
| ● | Wettstein | Beatrice | Beatrice Wettstein | WVZWEB | Beatrice.Wettstein@zuerich.ch | 01.04.2011 | 35793 | ● | 4 | 07.09.2018 | 4 | 1 | 1 | 8 | 5 | | | | |
| ● | Willi | Monika | Monika Willi | WVZWID | monika.willi@zuerich.ch | 01.04.2017 | 35925 | ● | 7 | 07.09.2018 | 7 | 1 | 1 | 12 | 7 | | | | |
| ● | Wunderli | Christan | Christan Wunderli | WVZWUC | Christan.Wunderli@zuerich.ch | 01.06.2009 | 35744 | ● | 2 | 07.09.2018 | 2 | 1 | 1 | 4 | 4 | | | | |
| ● | WVZEME - Notfaluser | Notfaluser | FIS | WVZEME - Notfaluser | WVZEME | WVZEME.Notfaluser@zuerich.ch | 01.01.2000 | 35473 | ● | 07.09.2018 | 77 | 1 | 1 | 53 | 1 | | | | |

| Column | Meaning |
|------------|--|
| Sod? | SoD Status |
| #SoD-Req | Number of SoD requests generated due to the risks |
| #SoD-Miti | Number of requests (risks) that have already been mitigated in the past. |
| Created on | Date of last SoD test |
| Risks | Number of risks found |
| User | Number of users with risks |
| #Dest. | Number of destinations (systems) on which risks were found |
| Rules | Number of rules that have found risks |
| #AE | Number of authorizations in which the risks were found |

5.A.2.d Call SoD Risk Analysis



CE: ISM - Risk Observer-Analysis (ISO 27000)

Analyse-Resultate anzeigen Risk-Observer(gleiche Selekt.)ausführen Mitigation-Formular

| angelegt am | Zeit | User | Identities | Users | #Dest. | Risks | Rules | #AE | R/R-Categ. | Event | Kommentar | ID | Identifikation | Vorname | Nachname | Def.Acc. | Auth. | Ident | A.E. |
|-------------|----------|--------|------------|-------|--------|-------|-------|-----|------------|--------|----------------|-------|-----------------|---------|------------|----------|-------|-------|------|
| 22.11.2018 | 06:57:08 | WVZWED | 1 | 1 | 1 | 12 | 8 | 3 | IT-ACC-SOD | SOD-AM | AIM: SoD-Check | 39245 | Nacm Benabdalah | Nacm | Benabdalah | WVZBEI | | | |
| 07.09.2018 | 14:06:13 | | 1 | 1 | 1 | 12 | 8 | 3 | | SOD-IM | IM: SoD-Check | 35790 | Nicole Auer | Nicole | Auer | WVZAUN | | | |
| | | | 1 | 1 | 1 | 12 | 8 | 3 | | SOD-IM | | 35901 | Marco Berni | Marco | Berni | WVZBEF | | | |
| | | | 1 | 1 | 1 | 4 | 8 | 5 | | SOD-IM | | 35946 | Salma Fräfel | Salma | Fräfel | WVZFRL | | | |
| 03.09.2018 | 11:51:45 | WVZXP | 1 | 1 | 1 | 13 | 10 | 4 | | SOD-IM | | 35790 | Nicole Auer | Nicole | Auer | WVZAUN | | | |
| | | | 1 | 1 | 1 | 13 | 10 | 4 | | SOD-IM | | 35901 | Marco Berni | Marco | Berni | WVZBEF | | | |
| | | | 1 | 1 | 1 | 5 | 10 | 6 | | SOD-IM | | 35946 | Salma Fräfel | Salma | Fräfel | WVZFRL | | | |
| 29.08.2018 | 12:46:02 | | 1 | 1 | 1 | 13 | 10 | 4 | | SOD-IM | | 35790 | Nicole Auer | Nicole | Auer | WVZAUN | | | |
| | | | 1 | 1 | 1 | 13 | 10 | 4 | | SOD-IM | | 35901 | Marco Berni | Marco | Berni | WVZBEF | | | |
| | | | 1 | 1 | 1 | 5 | 10 | 6 | | SOD-IM | | 35946 | Salma Fräfel | Salma | Fräfel | WVZFRL | | | |

5.A.2.d.1 Select layout

P40(2)/101 Layout: Auswählen

| Layout | Bezeichnung Layout... |
|--------------|---|
| /OPE RCO 64B | Risk-Observer-Analysis / ID->Analysis |
| /OPE RCO 64Z | Risk-Observer-Analysis-Results |
| /OPE RCO 6.. | Risk-Observer - Pol->Auth ... - Details |
| /OPE RCO 6.. | Risk-Observer - Pol->Auth |

5.A.2.d.2 Analyze SoD Risk Analysis

System Hilfe

CE: ISM - Risk Observer-Analysis (ISO 27000)

Analyse-Resultate anzeigen Risk-Observer(gleiche Selekt.)ausführen Mitigation-Formular

| ID | Identifikation | Vorname | Nachname | Def.A. | angelegt am | Zeit | User | Identities | Users | #De... | Ri... | Rules | #... | R/R-Categ. | Event | Kommentar |
|-------|-----------------|---------|------------|--------|-------------|----------|--------|------------|-------|--------|-------|-------|------|------------|----------------|---------------|
| 35790 | Nicole Auer | Nicole | Auer | WVZAUN | 29.08.2018 | 12:46:02 | WVZXP | 1 | 1 | 1 | 13 | 10 | 4 | IT-ACC-SOD | SOD-IM | IM: SoD-Check |
| | | | | | 03.09.2018 | 11:51:45 | | 1 | 1 | 1 | 13 | 10 | 4 | | | |
| | | | | | 07.09.2018 | 14:06:13 | WVZWED | 1 | 1 | 1 | 12 | 8 | 3 | | | |
| 35901 | Marco Berni | Marco | Berni | WVZBEF | 29.08.2018 | 12:46:02 | WVZXP | 1 | 1 | 1 | 13 | 10 | 4 | | | |
| | | | | | 03.09.2018 | 11:51:45 | | 1 | 1 | 1 | 13 | 10 | 4 | | | |
| | | | | | 07.09.2018 | 14:06:13 | WVZWED | 1 | 1 | 1 | 12 | 8 | 3 | | | |
| 35946 | Salma Fräfel | Salma | Fräfel | WVZFRL | 29.08.2018 | 12:46:02 | WVZXP | 1 | 1 | 1 | 5 | 10 | 6 | | | |
| | | | | | 03.09.2018 | 11:51:45 | | 1 | 1 | 1 | 5 | 10 | 6 | | | |
| | | | | | 07.09.2018 | 14:06:13 | WVZWED | 1 | 1 | 1 | 4 | 8 | 5 | | | |
| 39245 | Nacm Benabdalah | Nacm | Benabdalah | WVZBEI | 22.11.2018 | 06:57:08 | | 1 | 1 | 1 | 12 | 8 | 3 | SOD-AM | AIM: SoD-Check | |

Analyse-Resultate anzeigen

5.A.2.d.3 Analyze Analysis Details

CE: Risk Observer-Analysis (ISO 27000) - Results

| angelegt am | Zeit | User | Kommentar | R/R-Categ. | Risiko | Identifikation | Kommentar | ID | Kurztext | Ident | User |
|-------------|----------|-------|---------------|------------|--------|----------------|---|-------|----------|-------------|--------|
| 29.08.2018 | 12:46:02 | WVZXP | IM: SoD-Check | IT-ACC-SOD | 34690 | CO_KB_SS_01x03 | Kasse führen & Hauptbuch bearbeiten | 35901 | | Marco Berni | WVZBEF |
| | | | | | 34932 | CO_IU_RE_01X10 | Fakturierung & technische Stammdaten bearbeiten | | | | |
| | | | | | 34934 | CO_IU_RE_03X09 | Vertragsabrechnung & Kunden bearbeiten | | | | |
| | | | | | 34936 | CO_IU_RE_03X10 | Fakturierung & Kunden bearbeiten | | | | |
| | | | | | 34938 | CO_IU_RE_05X06 | Abrechnung bearbeiten und transportieren | | | | |
| | | | | | 34939 | CO_IU_RE_05X09 | Verträge abrechnen & Abrechnung bearbeiten | | | | |
| | | | | | 34940 | CO_IU_RE_05X10 | Fakturierung & Abrechnung bearbeiten | | | | |
| | | | | | 34941 | CO_IU_RE_06X09 | Abrechnung transportieren & Verträge abrechnen | | | | |
| | | | | | 34942 | CO_IU_RE_06X10 | Abrechnung transportieren & Fakturierung | | | | |

5.A.2.e Publish SoD mitigation form

The screenshot shows the 'System' interface for 'CE: ISM - Risk Observer-Analysis (ISO 27000)'. It features a toolbar with various icons and a table of data. Below the table is a button labeled 'Mitigation-Formular'.

| ID | Identifikation | Vorname | Nachname | Def.A... | angelegt am | Zeit | User | Identities | Users | #De... | Ri... | Rules | #... | R/R-Catag. | Event | Kommentar |
|-------|------------------|---------|-------------|----------|-------------|----------|-------|------------|-------|--------|-------|-------|------|------------|---------|----------------|
| 35790 | Nicole Auer | Nicole | Auer | WVZAUN | 29.08.2018 | 12:46:02 | WVZXP | 1 | 1 | 1 | 13 | 10 | 4 | IT-ACC-SOD | SOD-IM | IM: SoD-Check |
| 35901 | Marco Berni | Marco | Berni | WVZBEF | 29.08.2018 | 12:46:02 | WVZXP | 1 | 1 | 1 | 13 | 10 | 4 | | | |
| 35946 | Salma Fräfel | Salma | Fräfel | WVZFRL | 29.08.2018 | 12:46:02 | WVZXP | 1 | 1 | 1 | 5 | 10 | 6 | | | |
| 39245 | Nacm Benabdallah | Nacm | Benabdallah | WVZBEI | 22.11.2018 | 06:57:08 | WVZXP | 1 | 1 | 1 | 12 | 8 | 3 | | SOD-AIM | AIM: SoD-Check |

5.A.2.e.1 Choose output options

The screenshot shows a dialog box titled 'P40(2)/101 Formular'. It contains three input fields: 'Output-Variante' with the value 'SOD-MITI-1', 'Textbaustein' with the value '/HSMDD1/CE_2_WVZ_SOD_EMERGENCY', and an empty 'Text' field. There are also checkmark and close icons at the bottom right.

5.A.2.e.2 Print/send mitigation form

The screenshot shows a 'SoD-Risiko-Mitigation' form. It includes fields for 'Mitarbeiter/-in' (Name: Marco Berni, Kürzel: WVZBEF) and 'Abteilung' (Name: FK, Verantwortliche/-r: Christina Stettler). Below this is a table of risk mitigation measures.

| Risiko | Berechtigung / Rolle | mitigierende Massnahme (AA, CL) | letzte Mitigation |
|--|------------------------------|---------------------------------|-------------------|
| Kasse führen & Hauptbuch bearbeiten | ZE_IS_VKR_VERTRAUSKONTO_XXXX | | |
| Fakturierung & technische Stammdaten bearbeiten | ZE_IS_CA_DATENAUSTAUSCH_XXXX | | |
| Vorgaberechnung & Konten bearbeiten | ZE_IS_ABR_ABRECHNUNG_XXXX | | |
| Fakturierung & Konten bearbeiten | ZE_IS_ABR_ABRECHNUNG_XXXX | | |
| Abrechnung bearbeiten und transportieren | ZE_IS_ABR_ABRECHNUNG_XXXX | | |
| Vorfälle abrechnen & Abrechnung bearbeiten | ZE_IS_ABR_ABRECHNUNG_XXXX | | |
| Fakturierung & Abrechnung bearbeiten | ZE_IS_ABR_FAKTURIERUNG_XXXX | | |
| Abrechnung transportieren & Vorfälle abrechnen | ZE_IS_ABR_ABRECHNUNG_XXXX | | |
| Abrechnung transportieren & Fakturierung | ZE_IS_ABR_ABRECHNUNG_XXXX | | |
| Vorfälle abrechnen & Abschlagsverfahren bearbeiten | ZE_IS_ABR_FAKTURIERUNG_XXXX | | |
| Fakturierung & Abschlagsverfahren bearbeiten | ZE_IS_ABR_FAKTURIERUNG_XXXX | | |
| Vorfälle abrechnen & ausgewählte Beträge | ZE_IS_ABR_FAKTURIERUNG_XXXX | | |

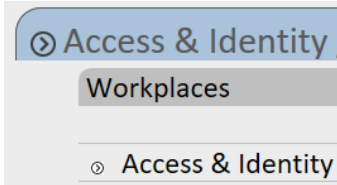
Druckdatum: Montag, 26. November 2018 Seite 1 / 2

There is also a section for 'Freigegeben' with a table and a signature area for the 'Mitigator/-in' with fields for 'Datum', 'Name', and 'Unterschrift'.

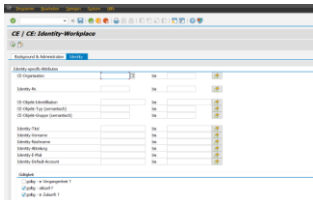
5.A.3 Mitigating SoD requests (risks)

After the forms have been evaluated and approved by those responsible, the corresponding SoD requests can be mitigated in the system.

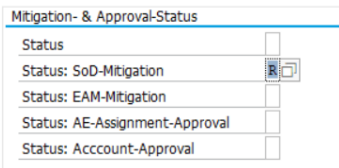
5.A.3.a Access & Identity Workplace



5.A.3.b Perform selections



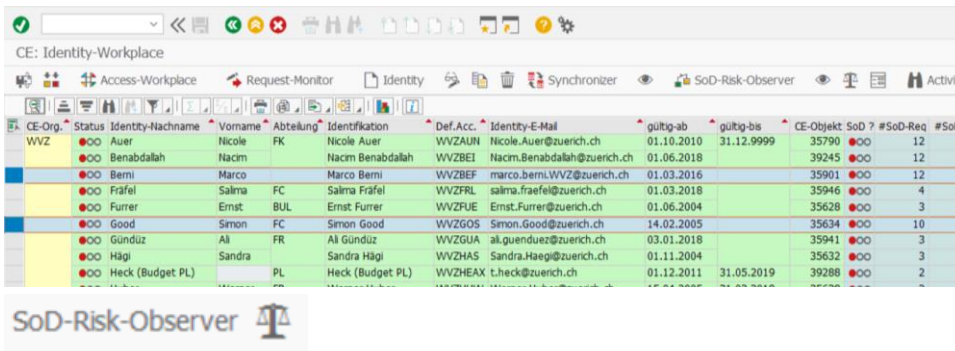
It may make sense to select only those identities that have SoD risks.



5.A.3.c Select Identities

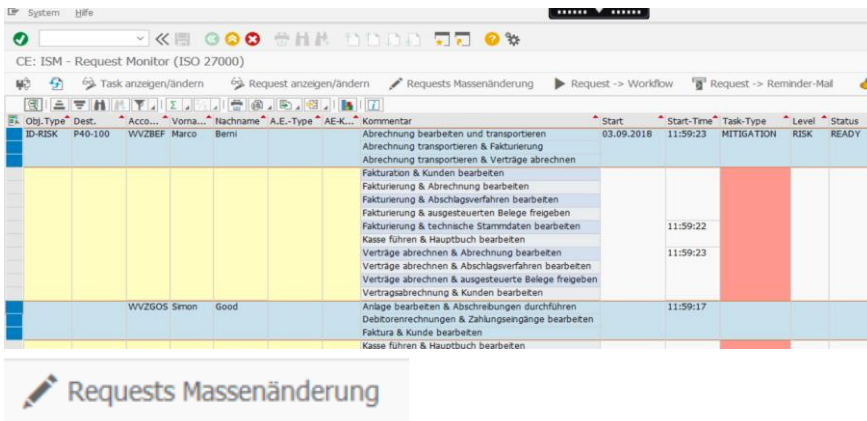
Example:

The mitigation forms of 2 persons are to be processed.



5.A.3.d Select risks

Example: only 3 risks of the 2 persons were mitigated by the person responsible.



P40(2)/101 CE: Compliance Enforcer

CE-Mandant: Wasserversorgung Zürich
Transaktion: CE: ISM - Request Monitor (ISO 27000)
WWZ
/HSMD1/CE_OPE_RCO_...

Request-Attributes-Mass-Change

Request-Kommentar

| | |
|---|---|
| <input checked="" type="checkbox"/> Kommentar | Freigabe durch Max-Mustermann am 01.01.2019 |
|---|---|

Request-Status

| | |
|--|---------------|
| <input checked="" type="checkbox"/> Request-Status | OK |
| <input type="checkbox"/> Request-Processed-Flag | |
| <input checked="" type="checkbox"/> Request-mitigated ? | |
| <input checked="" type="checkbox"/> Request-Mitigation-von-Datum | 01.01.2019 |
| <input type="checkbox"/> Request-Mitigation-von-Zeit | |
| <input checked="" type="checkbox"/> Request-Mitigation-bis-Datum | 31.12.9999 |
| <input type="checkbox"/> Request-Mitigation-bis-Zeit | |
| <input checked="" type="checkbox"/> Request-Mitigation-Kommentar | CR: 123456789 |
| <input type="checkbox"/> Request-Mitigation-Activity | |

Request-Activity

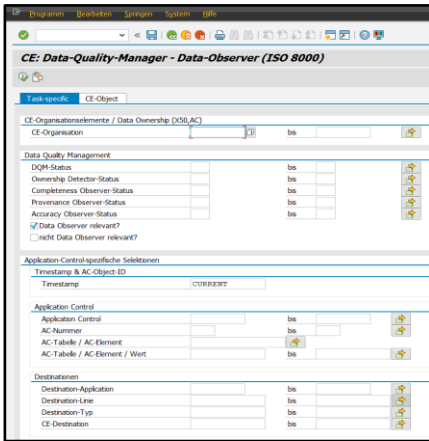
| | |
|---|--|
| <input type="checkbox"/> Request-Task-Activity | |
| <input type="checkbox"/> Request-Activity-Processing-Time (h) | |
| <input type="checkbox"/> Request-Activity-Reminder-Time (h) | |
| <input type="checkbox"/> Responsible-Type | |
| <input type="checkbox"/> Responsible | |

=> risks are mitigated

6. Application Control Workplace (AC)

The application control workplace shows the amount of application controls that are relevant for the respective customer implementation.

6.A Selection screen



6.B Big Picture

Application-Control-Functions

| CE-M | CE | AC-N | CE-Objekt-Identifikation | prod | Status | akti | gültig von | gültig bis | User | geändert am | Zeit | Status | #ak | #nok | DQM | DQM-User | DQM-Datum | DQM-Zeit | Acceptance | PO-access | |
|------|----|------|-----------------------------------|------|--------|------|------------|------------|----------|-------------|----------|--------|------|------|-----|----------|------------|----------|------------|-----------|--|
| CE | CE | | Kreditkontrollbereich | | 0000 | X | 01.01.1900 | 31.12.9999 | COSOL_LK | 24.07.2017 | 03:15:49 | | | | | | | | | | |
| | | 1070 | 1070 Lagerorte | X | X | X | | | COSOL_LK | 07.02.2019 | 07:33:51 | NOK | 1111 | 557 | OK | COSOL_LK | 07.02.2019 | 07:32:56 | 31.01.2019 | 23:59:59 | |
| | | 1081 | 1081 Werk | X | X | X | | | COSOL_RG | 01.10.2018 | 13:53:58 | OK | 494 | | | | 01.10.2018 | 13:53:50 | | 00:00:00 | |
| | | 4500 | 4500 R3-User | X | X | X | | | | 08.02.2019 | 07:24:45 | | | | | | | | | 00:00:00 | |
| | | 4501 | 4501 AGR_1251/52 | X | X | X | | | | 20.01.2019 | 08:41:34 | | | | | | | | | | |
| | | 4502 | 4502 R3-Auth.-Element-Values | X | X | X | | | | | | | | | | | | | | | |
| | | 4503 | 4503 USER mit Rollen | X | X | X | | | | | | | | | | | | | | | |
| | | 4504 | 4504 USER mit Profilen | X | X | X | | | | | | | | | | | | | | | |
| | | 4505 | 4505 USER mit Parameter | X | X | X | | | | | | | | | | | | | | | |
| | | 4522 | 4522 Transakt + LizenzNr | X | X | X | | | | | | | | | | | | | | | |
| | | 4523 | 4523 Rollen + LizenzNr | X | X | X | | | | | | | | | | | | | | | |
| | | 4524 | 4524 Profile + LizenzNr | X | X | X | | | | | | | | | | | | | | | |
| | | 4530 | 4530 HR Strukturelle Profile | X | X | X | | | | | | | | | | | | | | | |
| | | 4531 | 4531 BW Analyse Profile | X | X | X | | | | | | | | | | | | | | | |
| | | 4532 | 4532 AD Windows Server | X | X | X | | | | | 08:42:52 | | | | | | | | | | |
| | | 4533 | 4533 HR_T770A | X | X | X | | | | | 08:41:34 | | | | | | | | | | |
| | | 4534 | 4534 BW Analyse Profile zu User | X | X | X | | | | | | | | | | | | | | | |
| | | 4560 | 4560 R3-Person (Standard-Version) | X | X | X | | | | 04.02.2019 | 05:36:23 | | | | | | | | | | |
| | | 0201 | 0201 MBI_0201..._B3_Person | X | X | X | | | | 01.13.2018 | 10:05:55 | | | | | | | | | | |

6-1 Big-Picture Application Control Workplace

| Application Control Functions | Description |
|----------------------------------|---|
| View AC Object | The Application Control(AC) is displayed with all master data in the maintenance interface. |
| View AC-Data | The data of the AC is output in an ALV grid. |
| Publish AC-Data | The data of the AC is stored in an Excel. |
| Run AC-Data-Collection | The data of the AC (all) is read in the source destination(s). |
| Determining AC Data Ownership | The ownership of the individual data rows of the AC is determined on the basis of the defined set of rules. |
| Calculate and save DQM | The data of the AC is calculated and saved on the basis of the defined DQM rules. |
| Display and save DQM (calculate) | The data of the AC is calculated on the basis of the defined DQM rules, the result is displayed and saved. |
| DQM-PO-Acceptance | The acceptance of the provenance results was carried out for the AC. |

6-1 AC-Functions