



Wie E-ID und KI-Agenten Ihr cIAM herausfordern

clAM as a Service bringt Vorteile

Webinar



Michael Doujak
Product Manager



Marc-André Dumont
Product Lead
Airlock



Daniel Straub
Marketing Manager
Osteology Foundation



Der Wandel der digitalen Identität



**“Prove you are who
you say you are.”**



James L. Wayman, Fundamentals of Biometric Authentication Technologies, 1999

A large graphic on the right side of the slide consisting of two overlapping triangles. The top triangle is a light teal color, and the bottom triangle is a darker blue color. They meet at a horizontal line, creating a larger triangular shape pointing to the left.

Quellen von Identitäten



Kunden



Microsoft Entra ID



Lieferanten



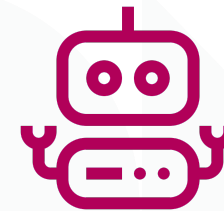
Internes IAM



Partnerorganisationen

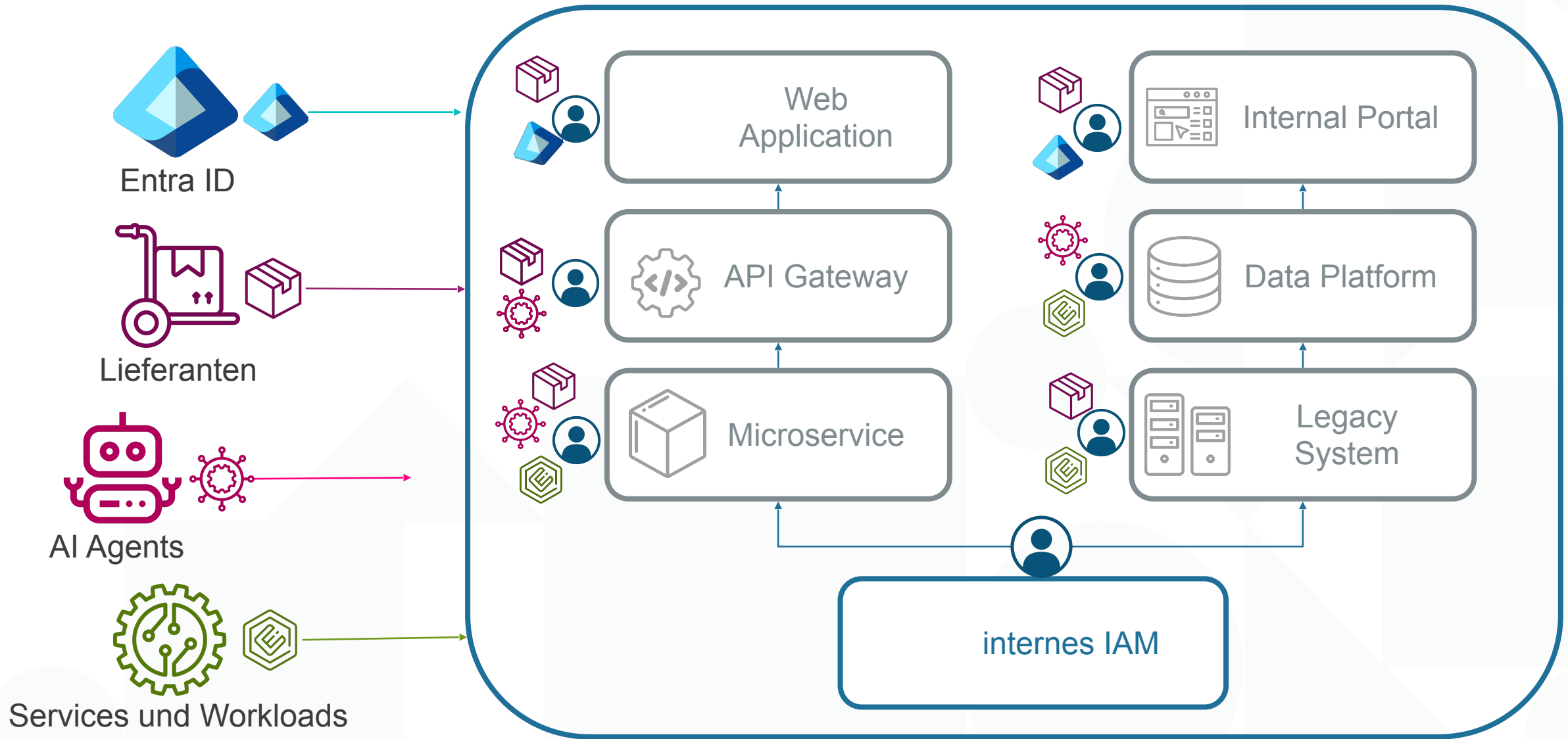


Services & Workloads

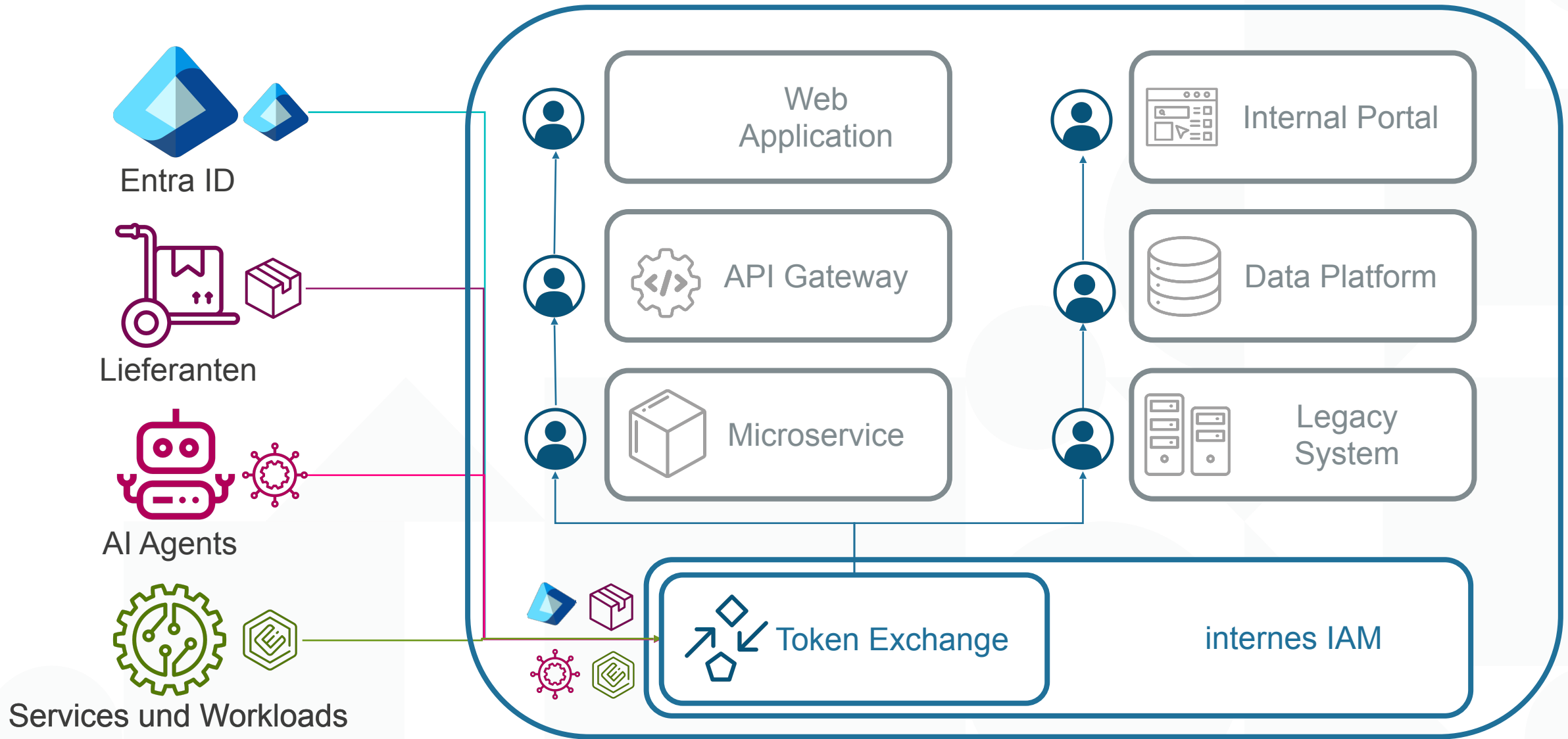


AI Agents

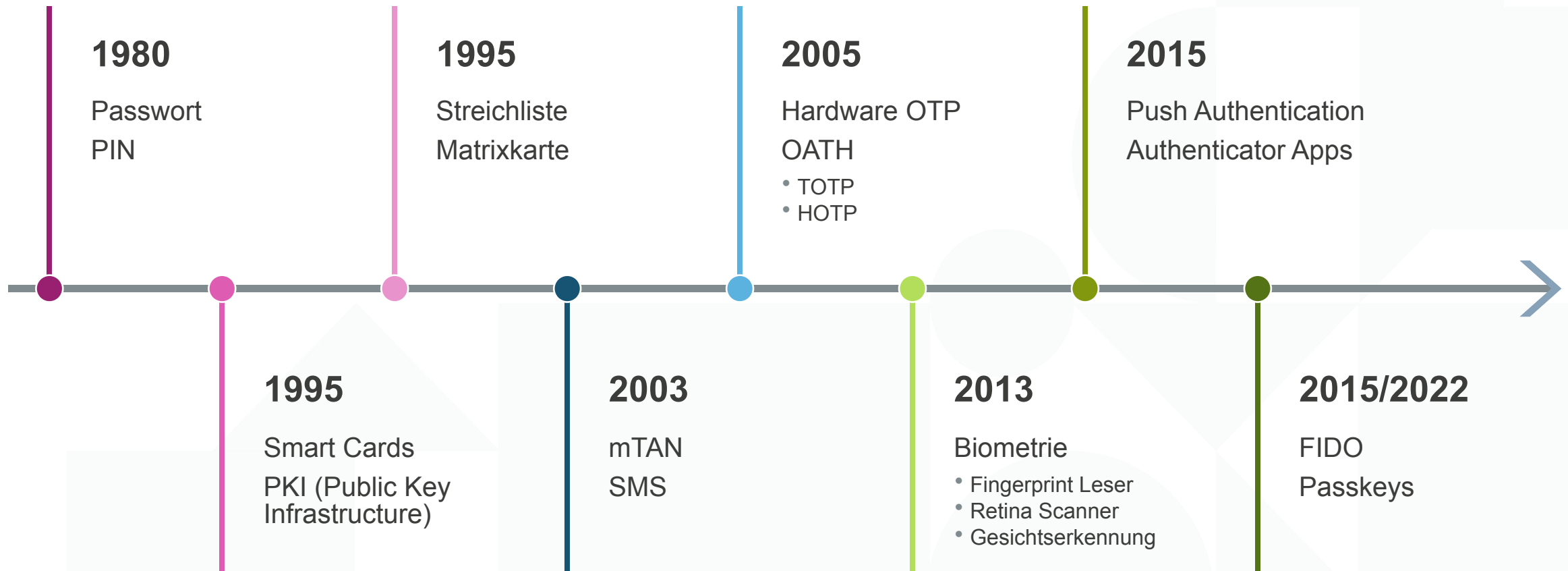
Identitäten im Netzwerk



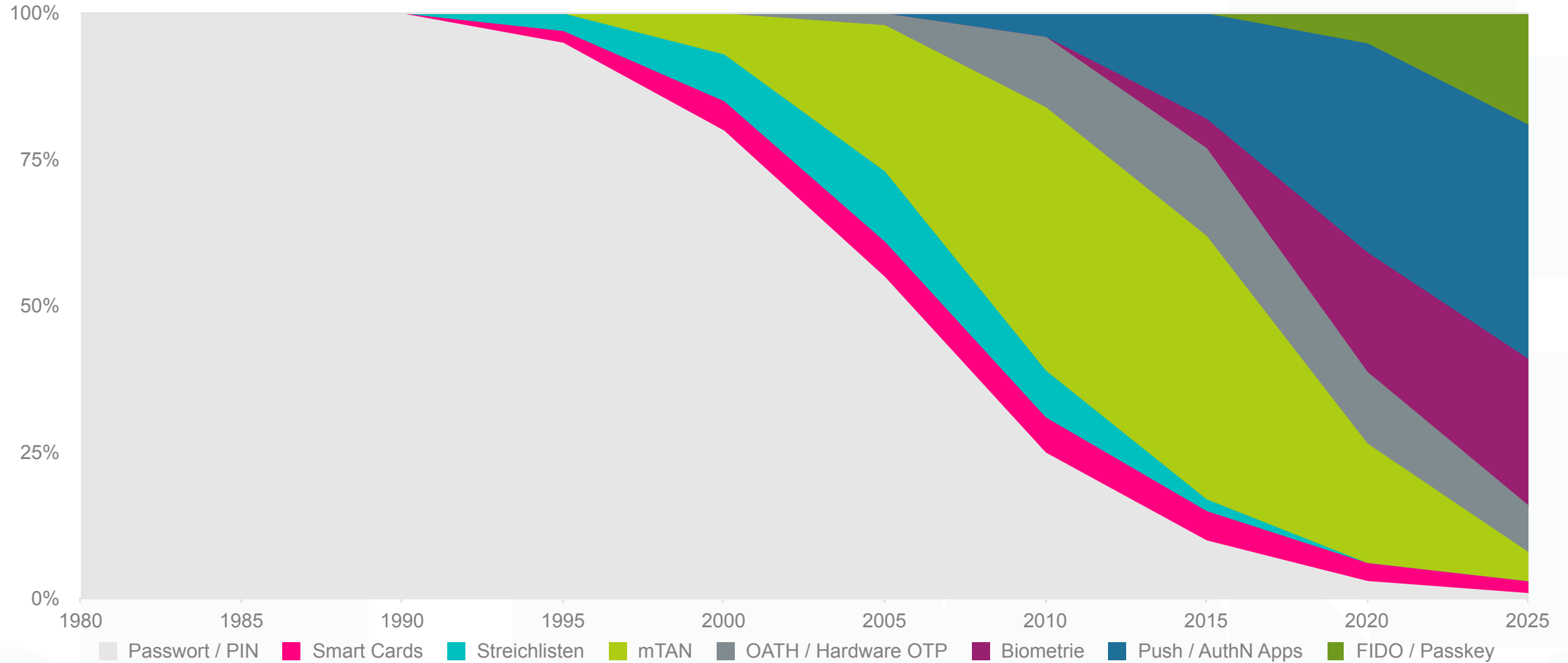
Identitäten unter Kontrolle



Authentisierungsmittel im Wandel der Zeit



Marktanteil der Authentisierungslösungen



Die nächste Authentisierungslösung kommt bestimmt

IAM Betrieb

- Sicherheits- und Softwareupdates einspielen
- IAM Verfügbarkeit und Stabilität sicherstellen
- Bestehende Faktoren betreiben (self-services)
- Helpdesk und Recovery betreiben
- Monitoring und Compliance gewährleisten

IAM Innovation

- Sicherheitsniveau erhöhen
- Benutzererlebnis verbessern
- Neue Faktoren evaluieren und integrieren
- Benutzer auf neue Faktoren migrieren
- Veraltete Faktoren entfernen

E-ID - mehr als ein Identifikationsmittel

Identifikation



Altersprüfung



Wohnsitz



Führerschein



Diplom



Mitarbeiterausweis



Kundenkarte



Bankverbindung



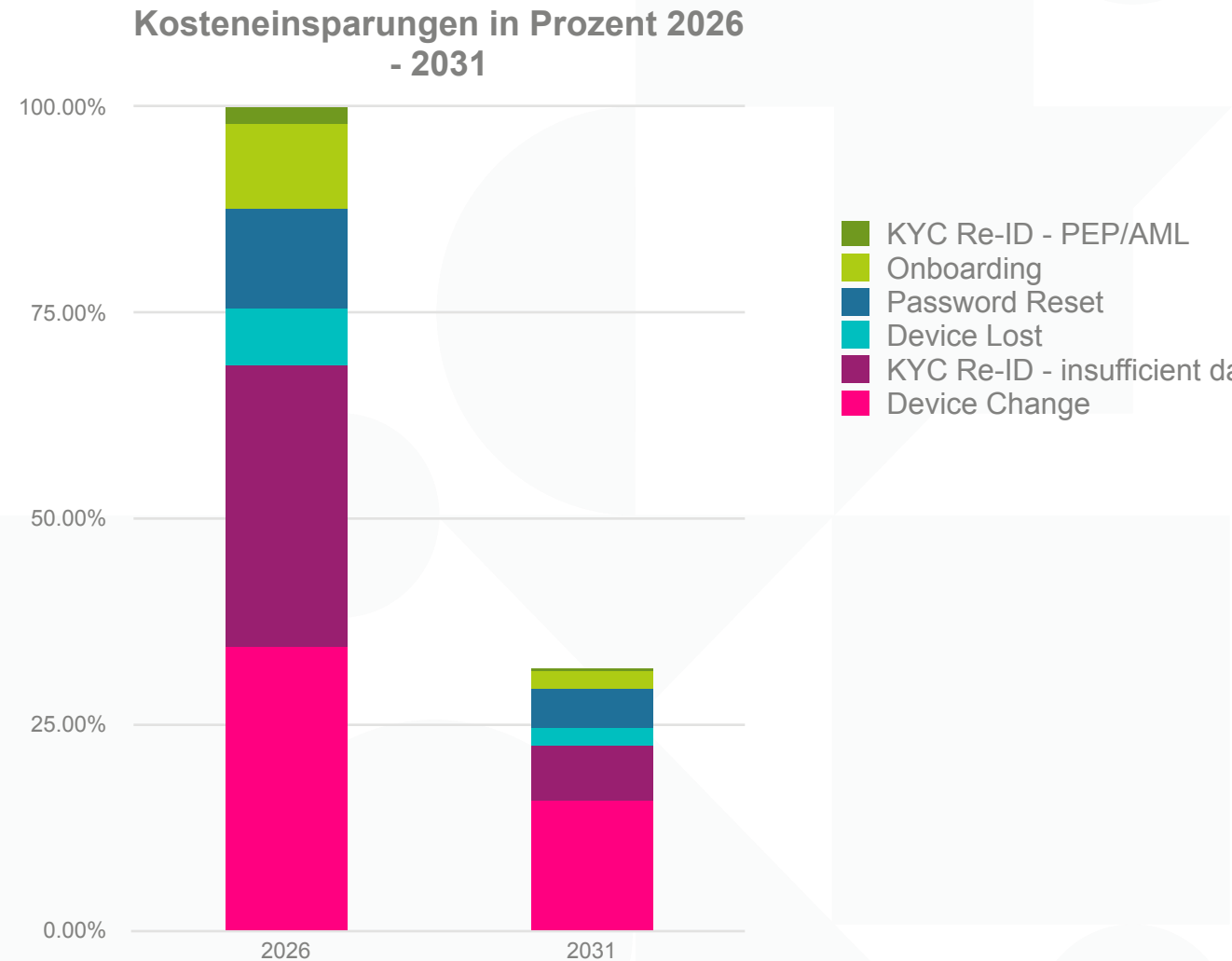
Versicherungsnachweis



Ist die E-ID für mein Unternehmen relevant

OpenBankingProject hat die Frage mit 12 Banken untersucht:

- Banken können substantielle Einsparungen erzielen
- Die UX für Endkunden kann medienbruchfrei gestaltet werden.
- Die Sicherheit mit vergleichbaren Verfahren ist tendenziell höher



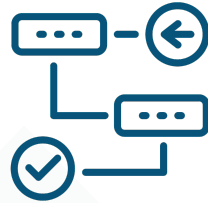
E-ID integriert im IAM

Ergänzung von
IAM Funktionen



Zentrale Prüfung
der Nachweise

Erweiterung der
IAM Prozesse



Eine Integration –
Mehrfach Nutzen

Backend-Systeme
entkoppeln



**Identity & Access
Management**



Schnelle Einführung
wenig Investition



Multiplikation der
Identitäten



Evolution der
Authentisierung



E-ID, PID &
digitale Nachweise

Architektur

Integration

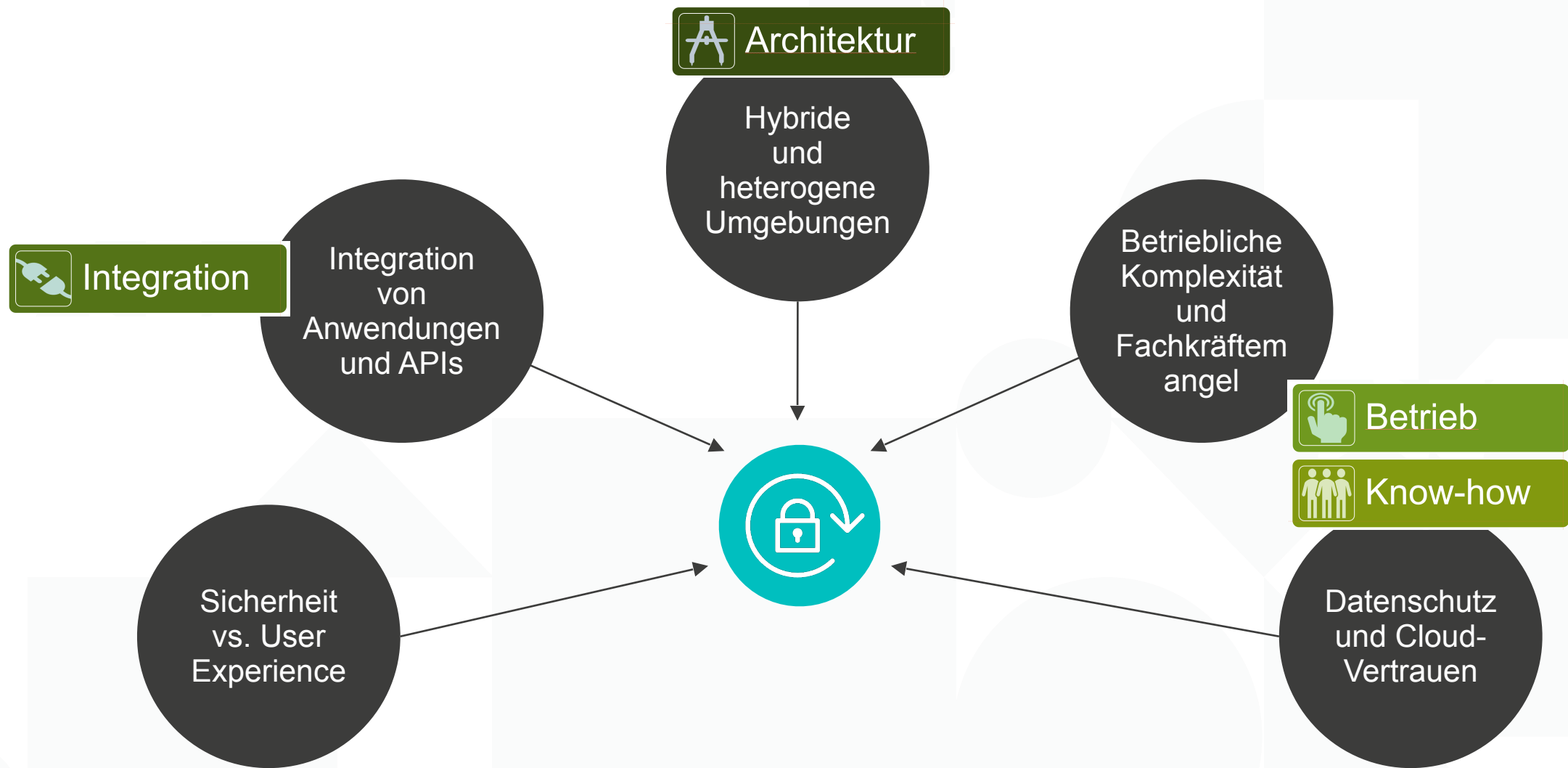
Betrieb

Know-how

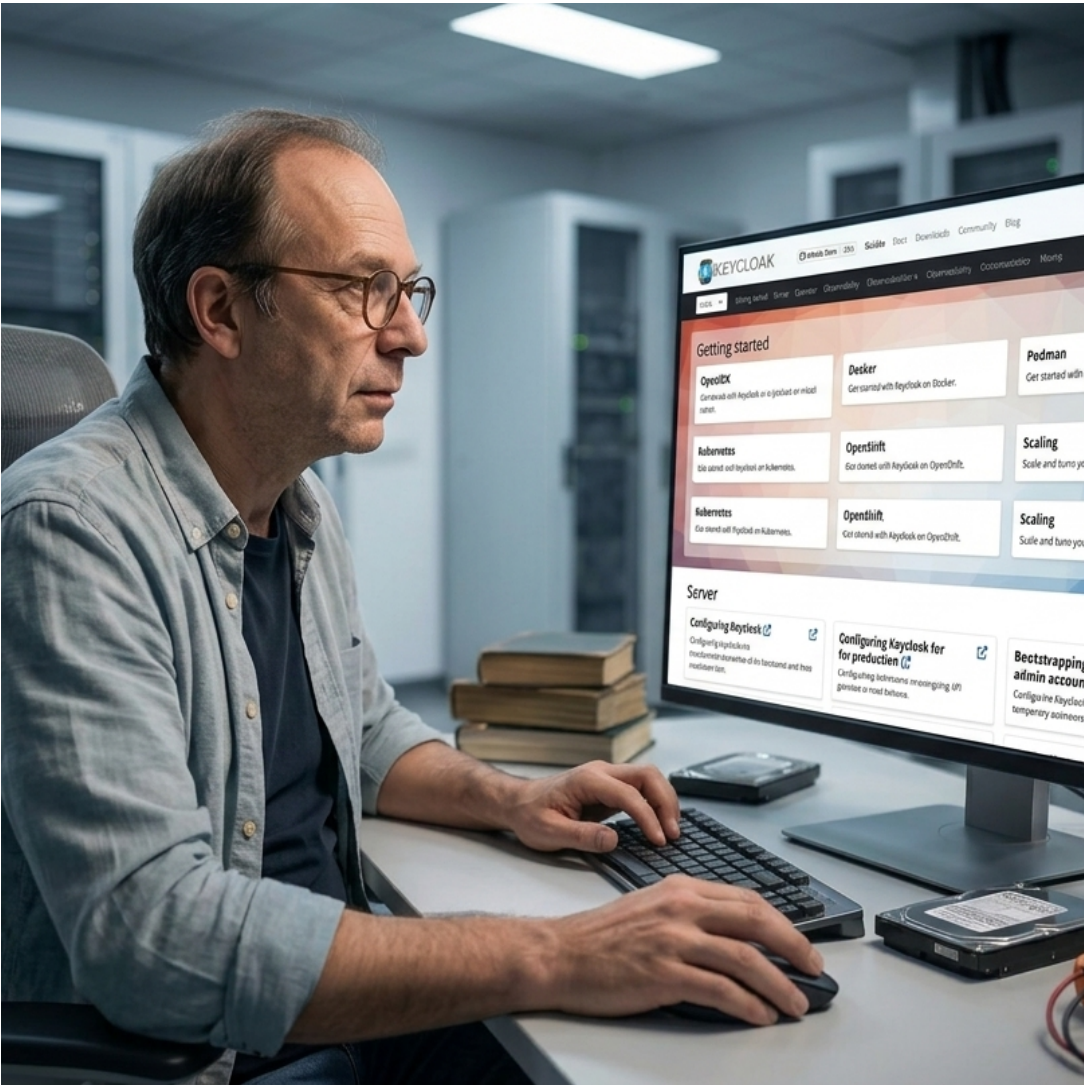


As-a-Service oder selbst betreiben?

Herausforderungen des modernen cIAM



DIY IAM ...



KEYCLOAK

 33k

Guides Docs Downloads Community Blog

26.5.6

Getting started Server Operator Observability Securing applications High availability UI Customization Migration

Search

Getting started

OpenJDK
Get started with Keycloak on a physical or virtual server.

Docker
Get started with Keycloak on Docker.

Podman
Get started with Keycloak on Podman.

Kubernetes
Get started with Keycloak on Kubernetes.

OpenShift
Get started with Keycloak on OpenShift.

Scaling
Scale and tune your Keycloak installation.

Server

Configuring Keycloak
Configure and start Keycloak.

Configuring Keycloak for production
Prepare Keycloak for use in production.

Bootstrapping and recovering an admin account
Bootstrap Keycloak and recover access by creating a temporary admin account.

Directory Structure
Understand the purpose of the directories under the installation root.

Running Keycloak in a container
Run Keycloak from a container image.

Configuring TLS
Configure Keycloak's https certificates for ingoing and outgoing requests.

Configuring the hostname (v2)
Configure the frontend and backchannel endpoints exposed by Keycloak.

Configuring a reverse proxy
Configure Keycloak with a reverse proxy, API gateway, or load balancer.

Configuring the database
Configure a relational database for Keycloak to store user, client, and realm data.

Configuring distributed caches
Configure the caching layer to cluster multiple Keycloak instances and to increase performance.

Configuring outgoing HTTP requests
Configure the client used for outgoing HTTP requests.

Configuring trusted certificates
Configure the Keycloak Truststore to communicate through TLS.

Configuring trusted certificates for mTLS
Configure Mutual TLS to verify clients that are connecting to Keycloak.

Enabling and disabling features
Configure Keycloak to use optional features.

Configuring providers
Configure providers for Keycloak.

Configuring logging
Configure logging for Keycloak.

FIPS 140-2 support
Configure Keycloak server for FIPS compliance.

Configuring the Management Interface
Configure Keycloak's management interface for endpoints such as metrics and health checks.



Use Airlock IAM as a Service



Getting started

Start and test a configuration within minutes

Recommended workflow

1. Adjust settings below where appropriate
2. Activate and test your tenant
3. [Reach out to our team](#) for help fine-tuning the configuration

Configuration

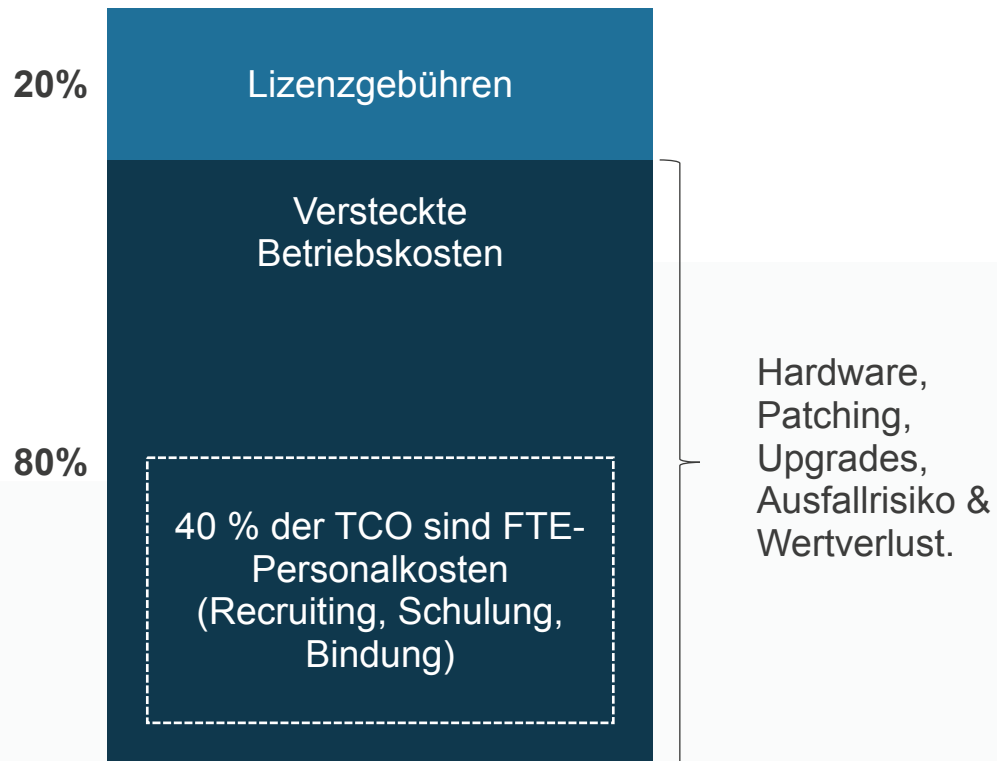
- 1 **Application**
Where do users land after login?
- 2 **Authentication flow**
How will your users authenticate?
- 3 **User onboarding**
Who will create user accounts?
- 4 **User experience**
What will the UI look like?

Operation

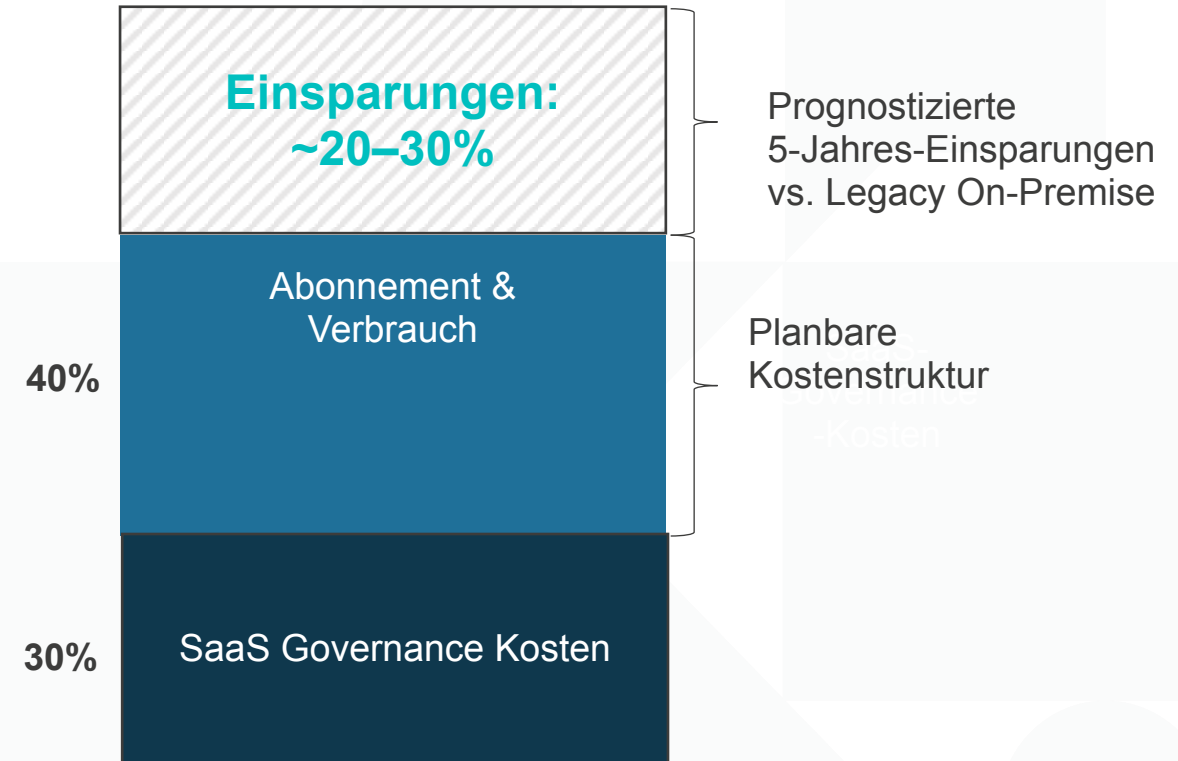
- Active**
Your tenant is ready



Legacy On-Premise



SaaS-Modell



DEPLOYMENT MODELS COMPARISON

HOSTING & INFRASTRUCTURE

PLATFORM OPERATIONS

CONFIGURATION MANAGEMENT (IAM)*

COST STRUCTURE

Identical Airlock IAM Core & Capabilities

ON-PREMISES



CUSTOMER DATA CENTER



Customer provisions and owns physical or virtual infrastructure



Customer IT builds and maintains IAM configuration.
Optionally, consulting and support by Airlock Partner.



high upfront CAPEX + hidden internal OPEX (Maintenance)

MANAGED SERVICE



PARTNER / CLOUD



Shared or dedicated environment hosted by a specialized Managed Service Provider



Airlock Partner cares for initial setup and changes.
Optionally, customer staff takes over for day to day operation.



Moderate CAPEX + variable services OPEX

SaaS



AIRLOCK MANAGED CLOUD



Fully abstracted cloud infrastructure provided by Airlock



Airlock Partner cares for initial setup and changes.
Optionally, customer staff takes over for day to day operation.



Predictable subscription OPEX + variable Services OPEX

*IAM configuration requires in-depth domain and tooling knowledge.

[english](#) [français](#) [deutsch](#) [italiano](#)

 **Willkommen zurück!**

Benutzername

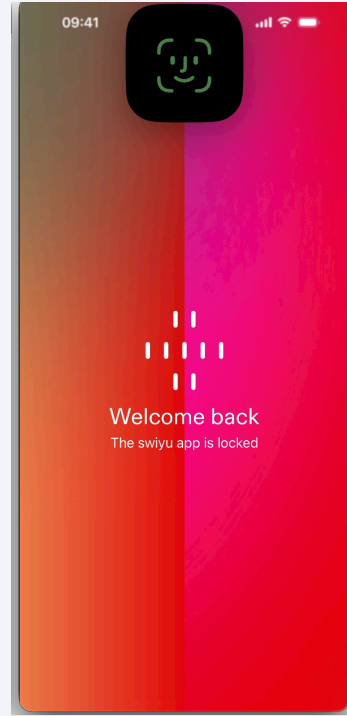
Passwort

Anmelden

SSI-Anmeldung

Noch kein Konto? [Registrieren](#)

AIRLOCK
SECURE ACCESS HUB



E-ID Demo

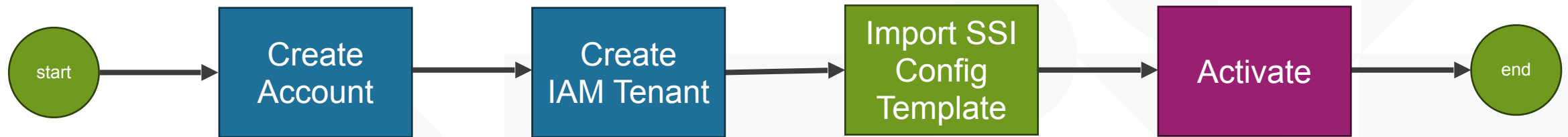
Company wanting to offer E-ID for Onlboarding & Login

- Onboard to IAM as a Service
- Load SSI Configuration Template

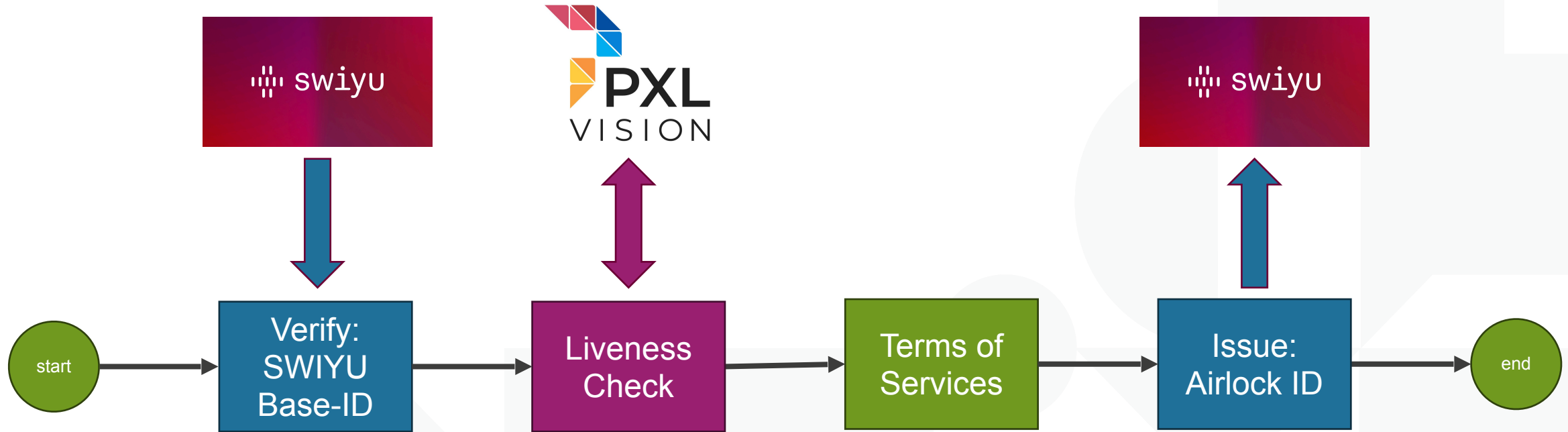
End user

- Sign-up for company's service presenting E-ID
- Login into company's service using SSI

1. Onboard IAM as a Service

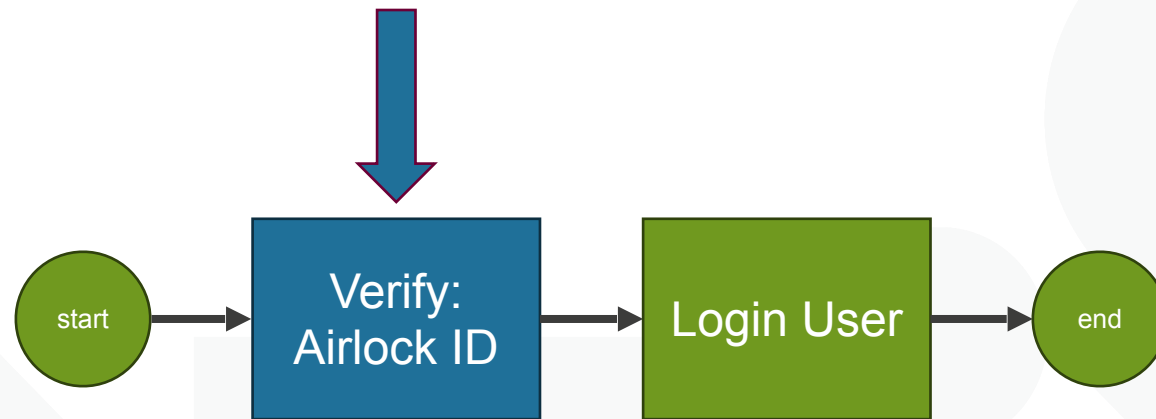


2. SSI Onboarding mit Liveness Check und ID Issuance

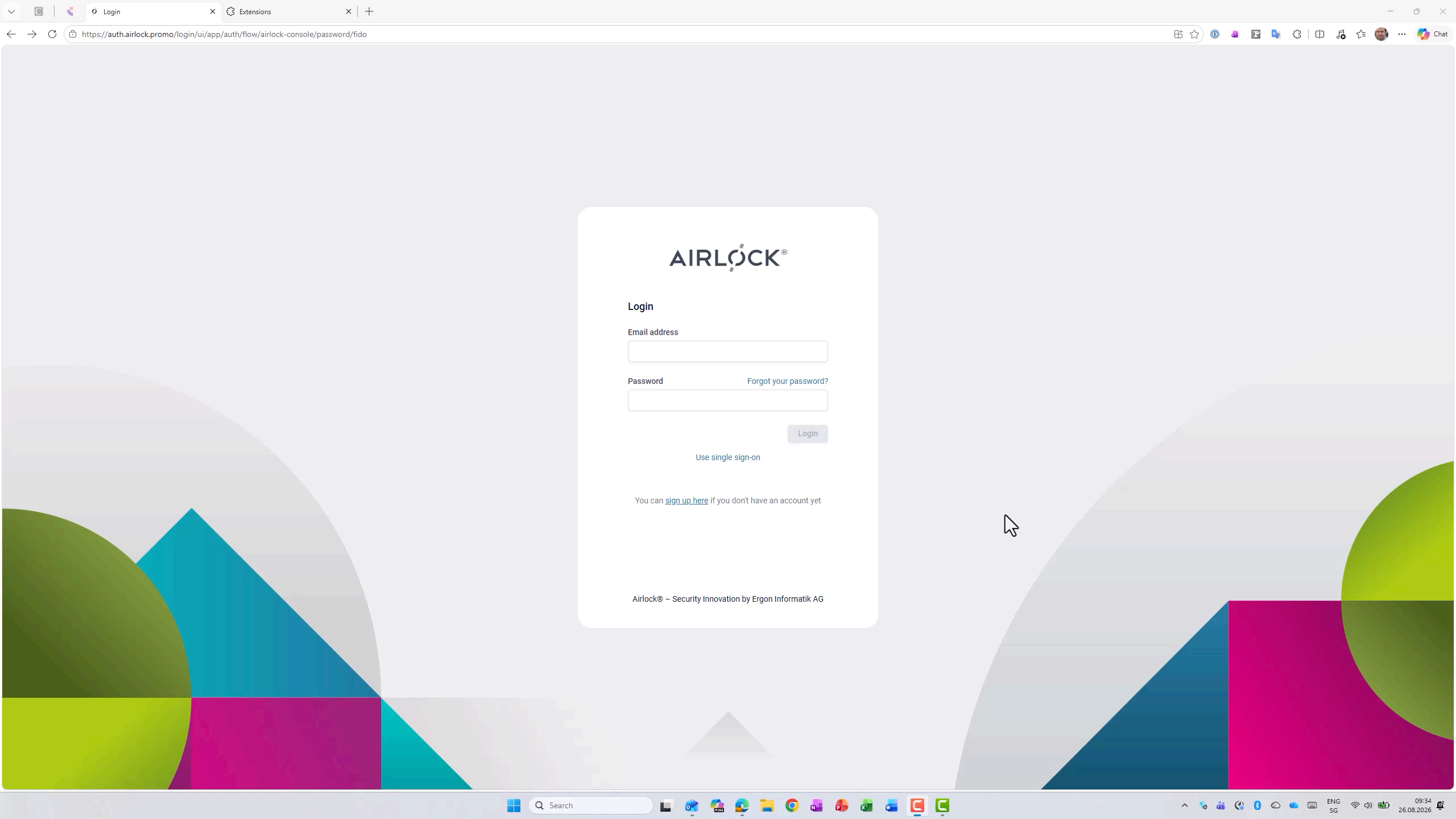


1. Use E-ID to identify User
2. Liveness Check
3. Cover Legal Requirements (ToS)
4. Issue Employee ID to User

3. Login mit SSI



1. Use Airlock ID to Authenticate User
2. Check User Database



Login

Email address

Password

[Forgot your password?](#)

Login

Use single sign-on

You can [sign up here](#) if you don't have an account yet

Airlock® – Security Innovation by Ergon Informatik AG



Search



The background is a solid teal color. On the right side, there are several large, semi-transparent, circular and semi-circular shapes that overlap each other, creating a layered effect. On the left side, there is a dark teal triangle pointing towards the center.

Aus der Praxis



Welcome to the Osteology Community

Register and join THE BOX today

THE BOX



Be part of THE BOX

Join the world's largest community for oral tissue regeneration

THE BOX is the Global Osteology Community Platform – the one place to go for researchers, clinicians and educators in regenerative dentistry. It provides tools, educational content and networking opportunities for the global Osteology community. As part of the relaunch, THE BOX will be further developed to offer even better services and easier access to our resources.

In 2026 the digital services of the Osteology Foundation undergo a major update. This is good news for you, as you will benefit from:

- [Redacted]
- Better performance especially on mobile phones
- [Redacted] for most digital Osteology Foundation services
- Powerful search function that guides you straight to the content you've been looking for
- Easy management of your grant applications
- [Redacted] (launched throughout 2026)
- [Redacted] from THE BOX, simply set a new password and log in

Ausgangslage “The Box”



THE GLOBAL OSTEOLGY COMMUNITY PLATFORM

In My BOX you find the latest news from your network and everything you have saved, contributed, or where you were involved with the Osteology Foundation.



My Contacts

Search for colleagues and friends, sort them into networks and set up your own personal profile.



My Groups

Join discussions, exchange information and interact with colleagues worldwide.



My Courses

Here you find your certificates as well as scripts and e-learning from courses you attend.



My Research

Apply for your research funding or a scholarship, submit a poster abstract and sort your research projects.



My Practice

Upload your clinical cases to the Case Box, analyse, share and discuss them with your network.



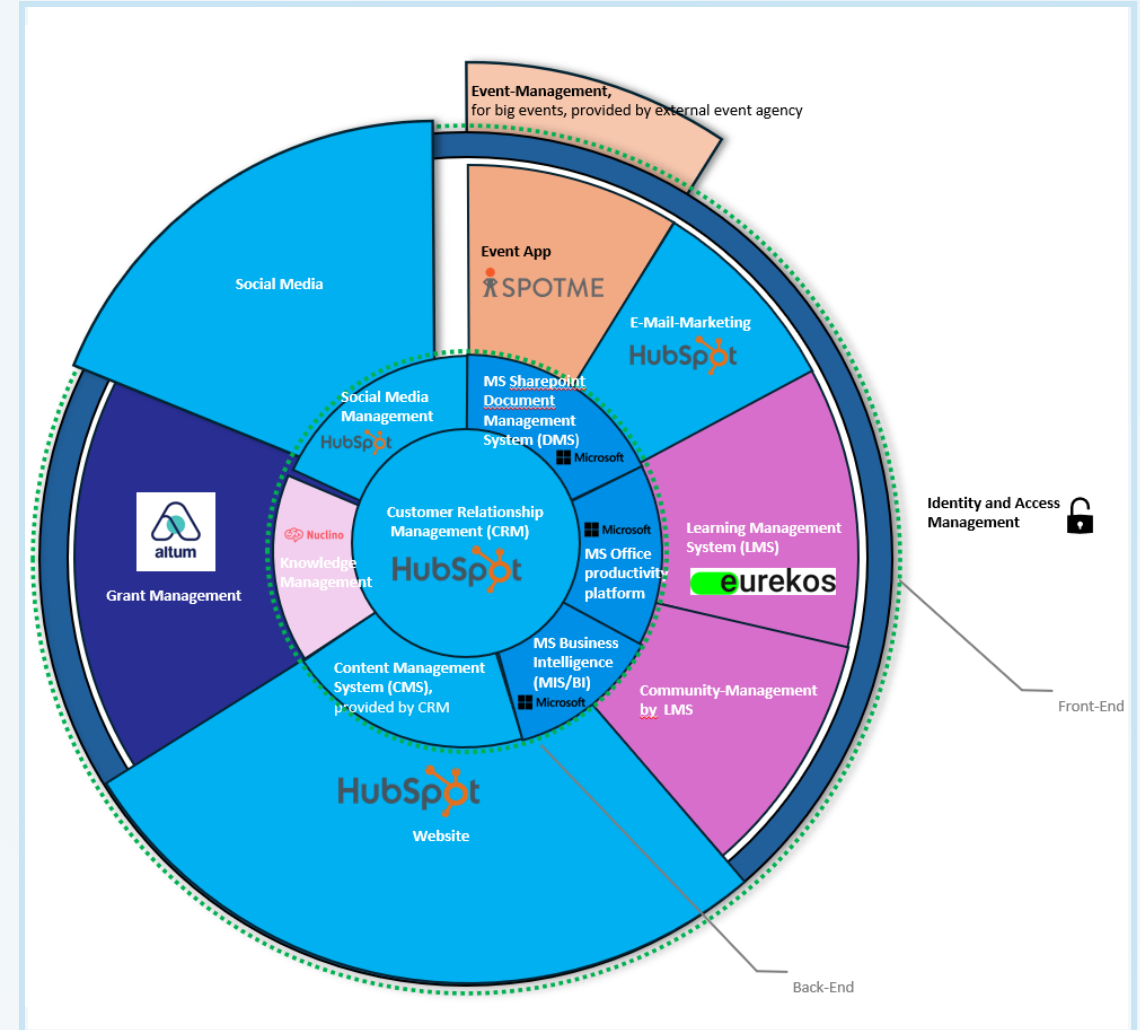
My Library

Bookmark the content that is most relevant for you.

Ziel: Digital Landscape

Modulares Ökosystem

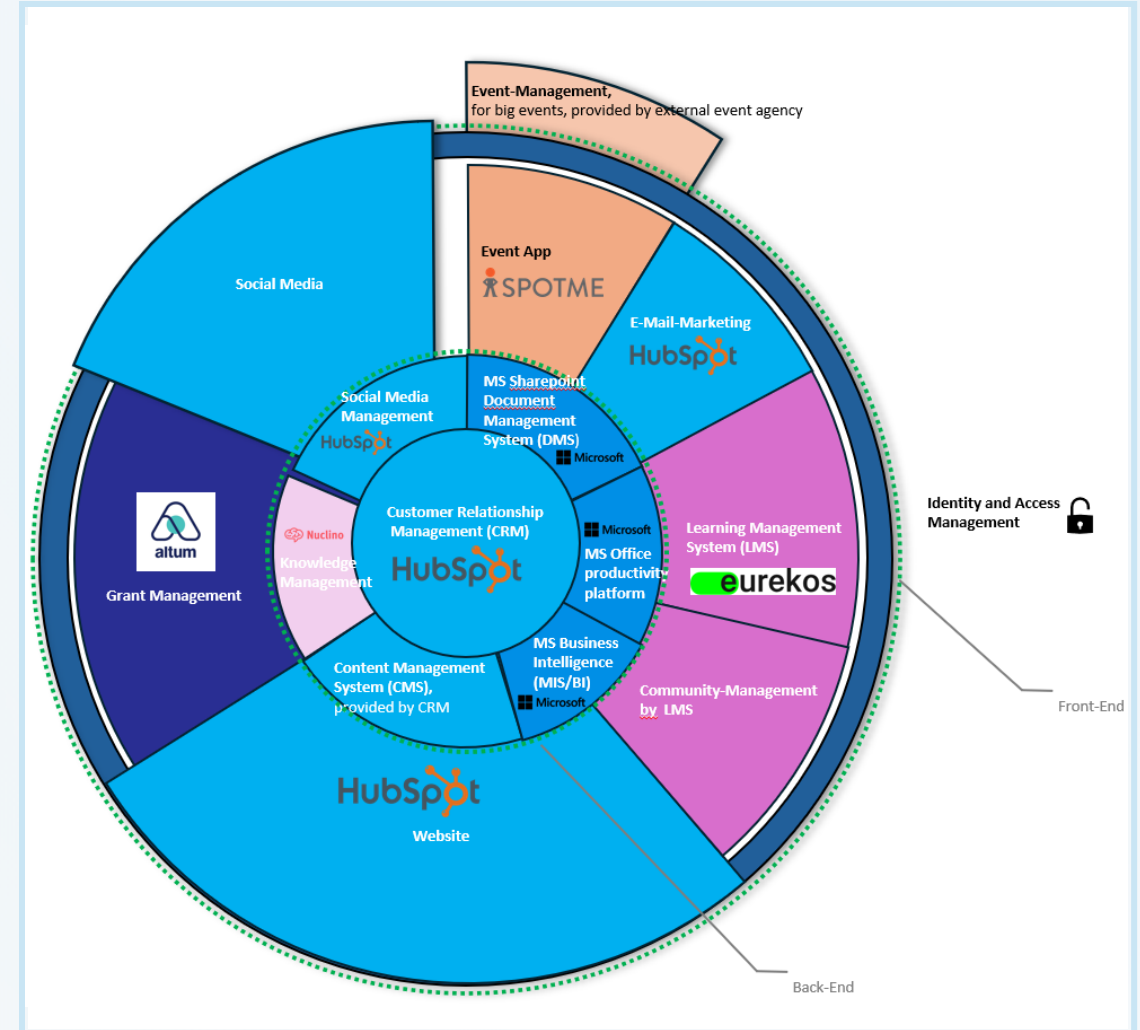
- Abkehr von monolithischen Insellösungen hin zu standardisierten, Best-of-Breed Cloud-Anwendungen.
- Nahtlose, modulare Integration von CRM, Learning-Management (LMS) und Event-Management.
- Vollständige Transparenz über Datenströme hinweg.



Ziel: Digital Landscape

Zentraler Einstiegspunkt

- Einführung eines sicheren und komfortablen Single Sign-On (SSO) für alle Portale.
- Skalierbares Nutzersystem, konzipiert für ca. 33'000 registrierte Zahnärzte weltweit.
- Intuitive Customer Journey bei gleichzeitig maximalem Schutz.



Evaluation & Anforderungen

In Zusammenarbeit mit dem unabhängigen Partner **Berinform** wurde ein detaillierter Anforderungskatalog definiert:

01

Datenmigration

Verlustfreie Übernahme von 10 Jahren historisch gewachsener Benutzer- und Fortbildungsdaten.

02

B2C-Usability

Einfacher, moderner Registrierungs- und Login-Prozess für internationale Mediziner.

03

Social Logins

Direkte Integration von Social Identities (Microsoft, Facebook, Google, Apple).

04

Autonomie

Eigenständige Administration der Benutzer ohne permanenten externen IT-Support.

Gründe für unsere Entscheidung



Volle Konnektivität

Die flexiblen Schnittstellen und die umfassende Abdeckung aller benötigten cIAM-Funktionalitäten haben vollumfänglich überzeugt.



Partnerschaft

Die offene und transparente Kommunikation auf Augenhöhe legte den Grundstein für eine vertrauensvolle Zusammenarbeit.



SaaS-Fokus

Zukunftsweisende und agile Skalierbarkeit im täglichen Betrieb, ohne den Aufwand einer eigenen lokalen IT-Infrastruktur.

Umsetzung & Meilensteine



Inbetriebnahme

A login form titled "Login" with "THE BOX" logo in the top right corner. It includes a text input field labeled "Your email", a "Continue" button, and a section for social login with "Or continue using" text and buttons for "Microsoft", "Facebook", and "Google". At the bottom, it says "If you don't have an account yet, [please sign up here.](#)"

Ein reibungsloser Übergang

- Migration des historisch gewachsenen Datenbestandes
- Etablierung eines ununterbrochenen Betriebs ohne Ausfälle von Tag eins an
- Ausgezeichnete Akzeptanz durch die Endnutzer

Ergebnis

33'000+

migrierte Benutzerdaten

5

Applikationen angebunden

3

Social Logins als neue Funktionalität



Welcome to THE BOX

Your gateway to the Osteology Foundation.
Instant access to all our digital tools and apps.

Your applications



Learn Osteology

On demand, online and live
learning to expand your
knowledge



Osteology Funding Opportunities

Submit your application to
one of our programmes



Community

National Osteology Groups,
Case Box and more



Newsletter

Get the latest on events,
courses, and research



Osteology App

Use our event app for your
next symposium visit

Outlook

Ausbau zur Digital Service Platform:

- Learning: LMS Launch im Sommer
- Events: Single-sign-on ausdehnen auf Mobile App & Event Registration



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