#SAPSecurityWebcast introduction of CIO guide and reference architecture

Gunnar Kosche, SAP

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Public

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Agenda

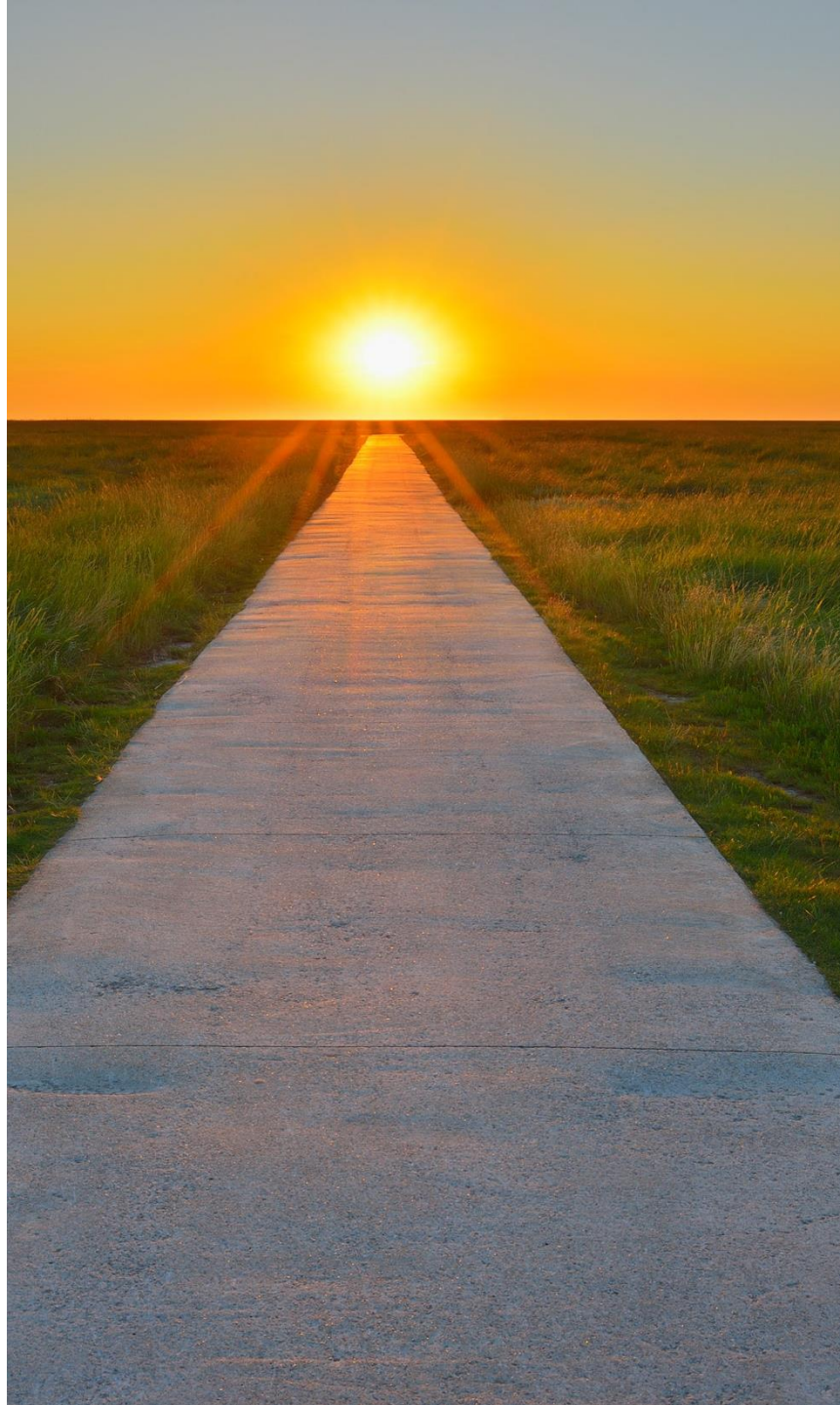
Identity Access Management

- Portfolio

Reference Architectures

- Authentication
- Identity Lifecycle
- Authorizations

Questions & Answers



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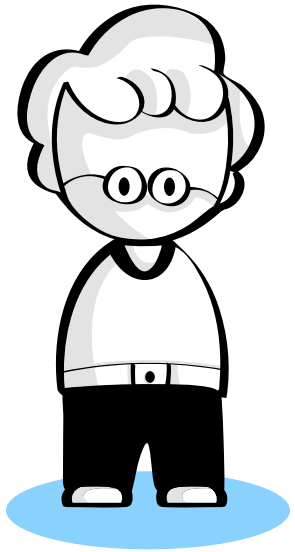
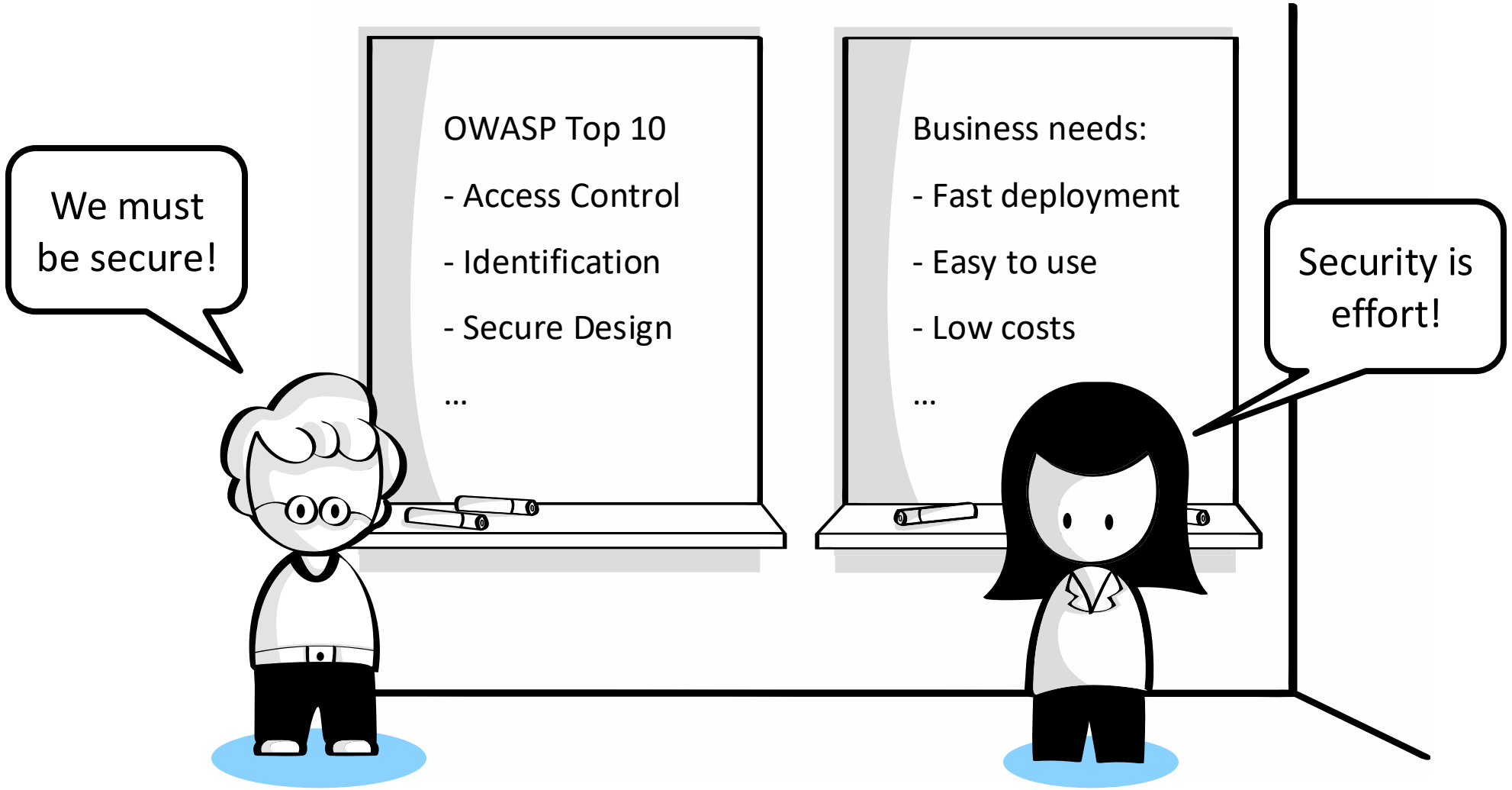
Identity Access Management

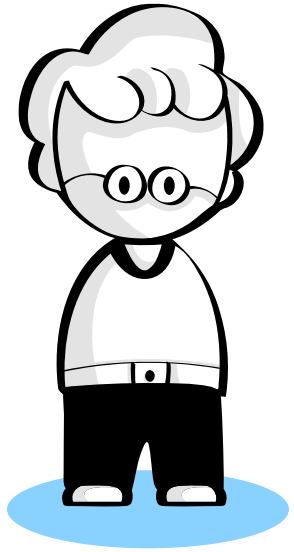
What do we want to achieve?



Improved cybersecurity – lived by the business



What’s now Identity Access Management?

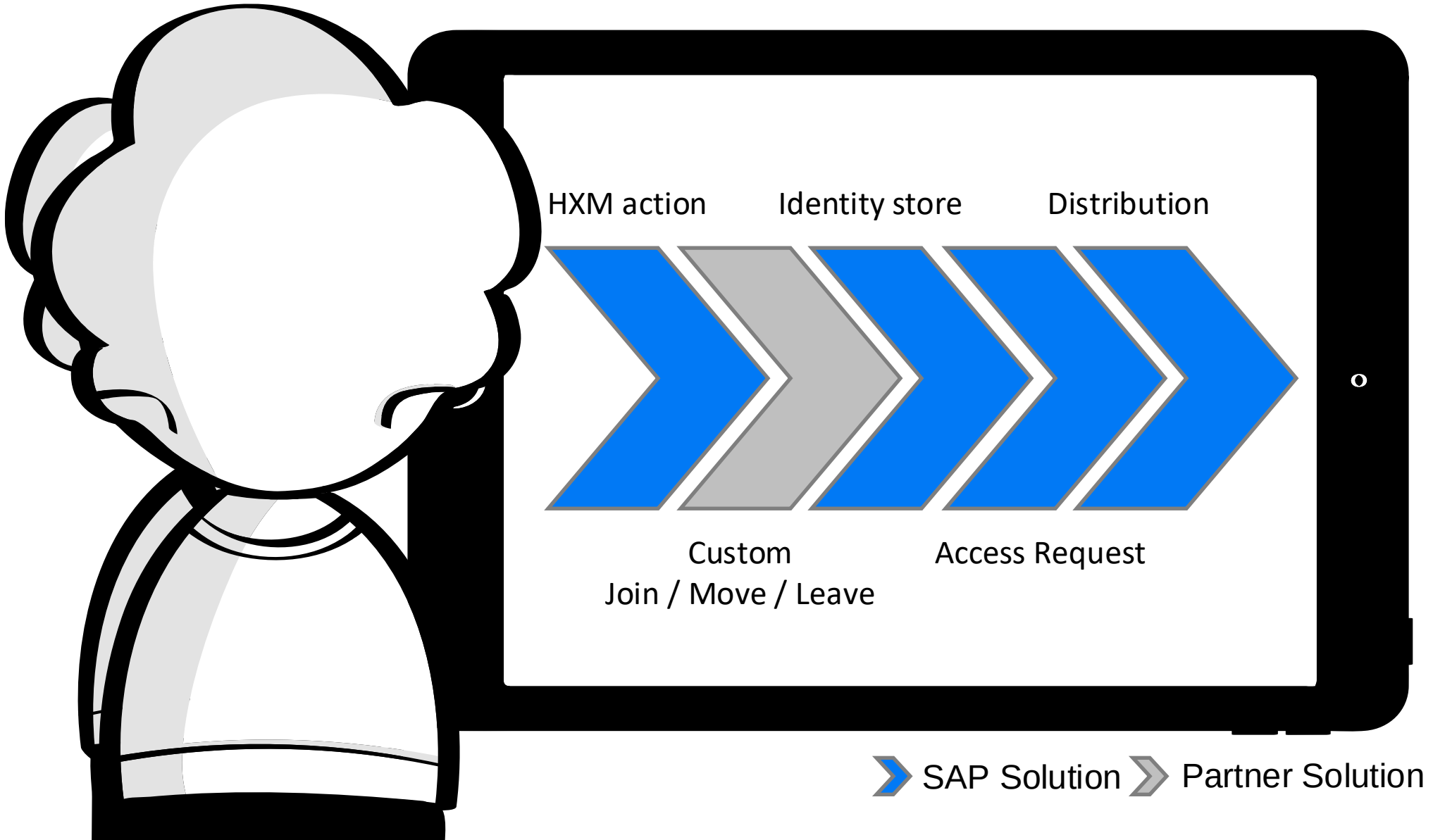


What’s now Identity Access Management?

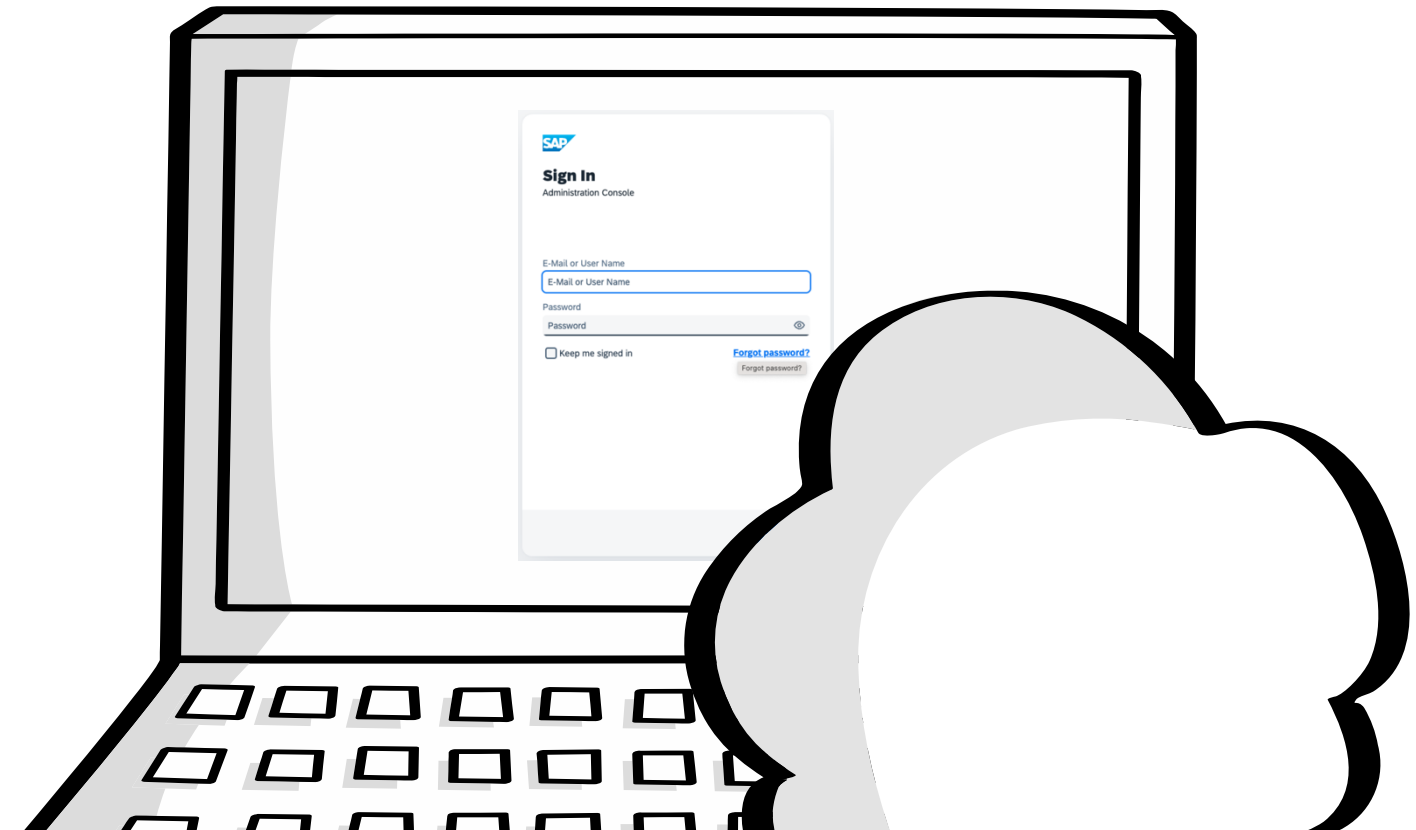
Identity Lifecycle

How users are being maintained, replicated, authorized from creation until deletion.

How does a common SAP Identity Lifecycle Process look like?

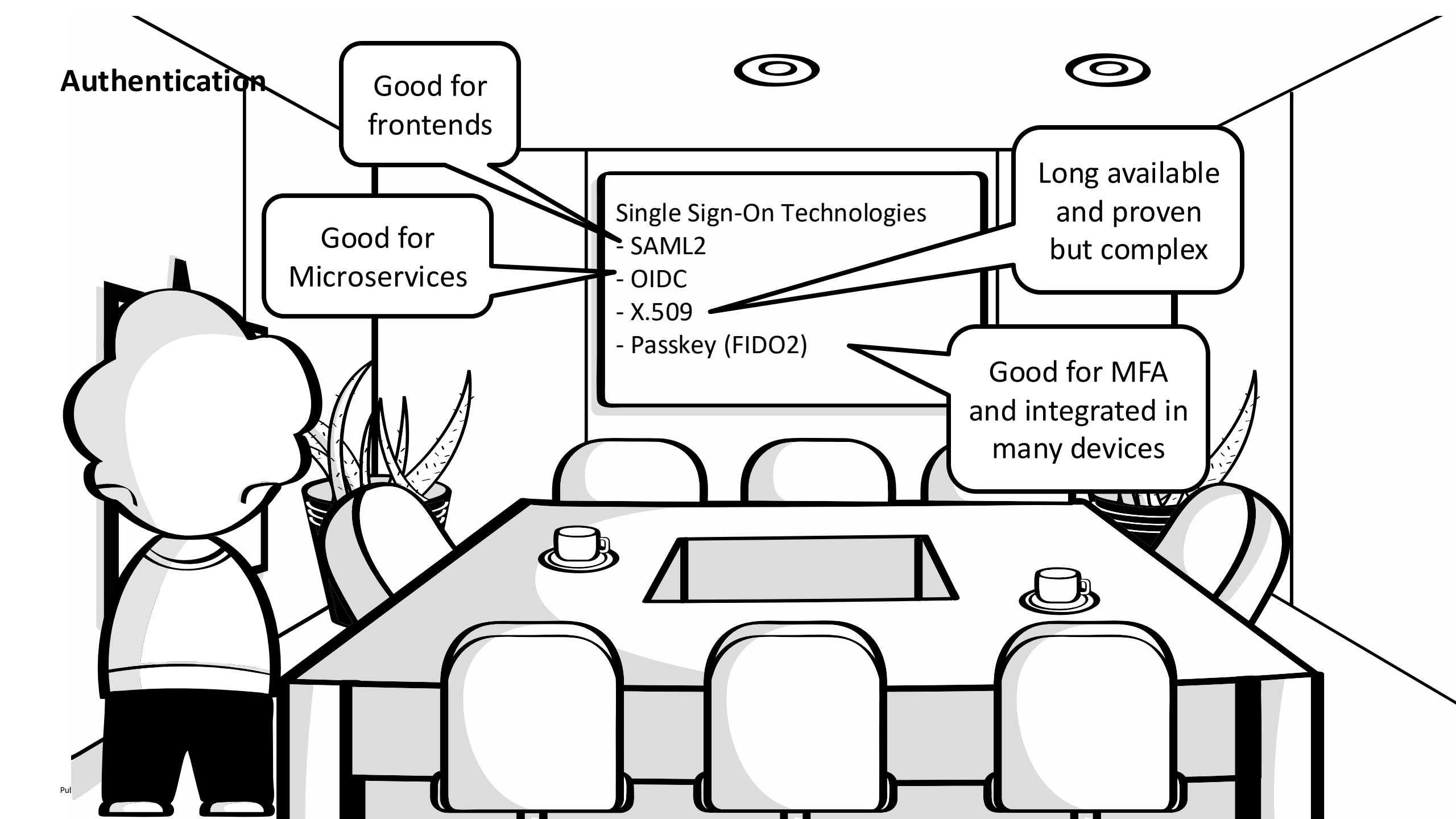


Authentication

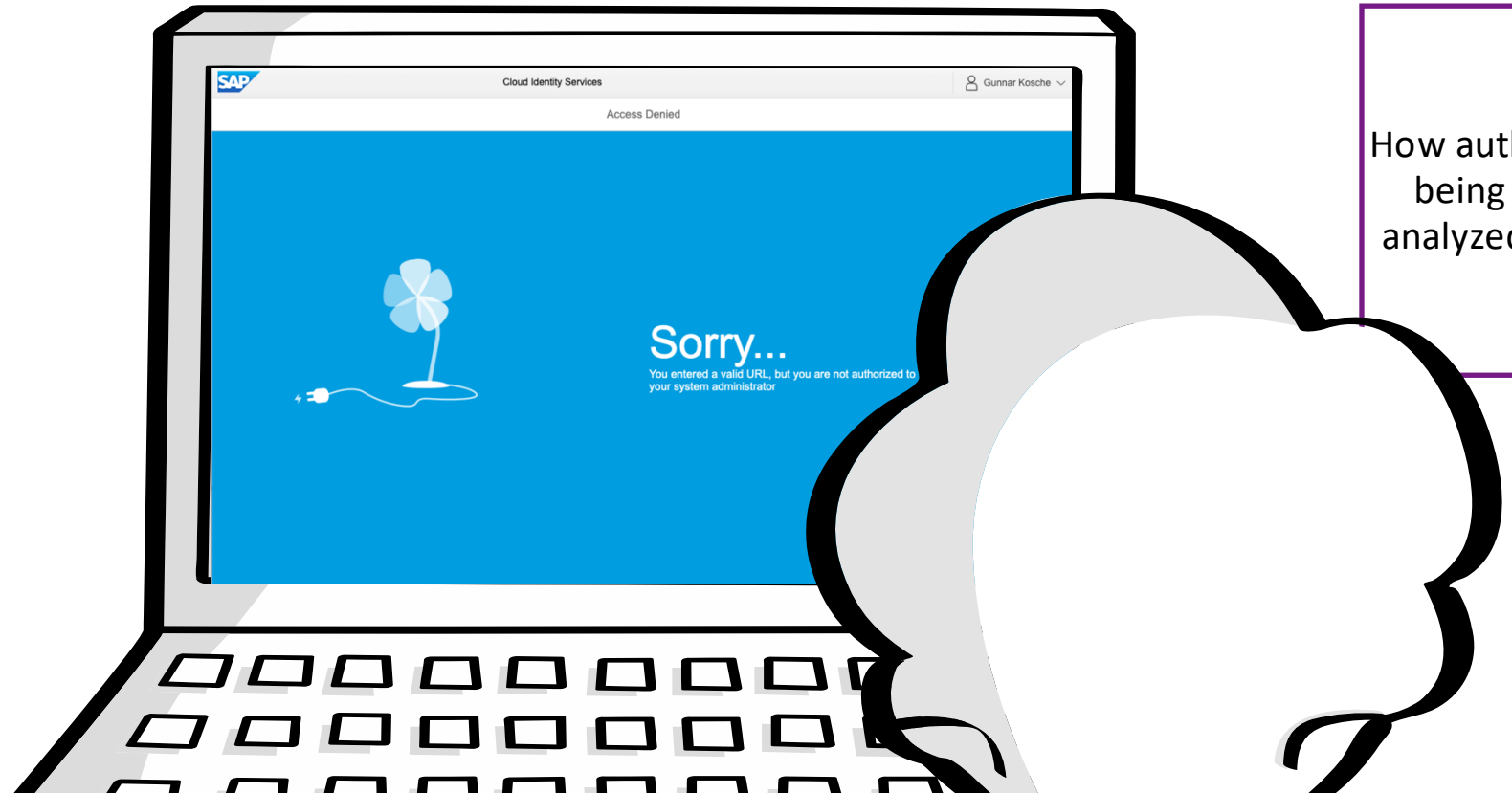


Authentication

How clients securely authenticate to applications with as few interactions as possible.


Authentication
Good for frontends
Good for Microservices
Single Sign-On Technologies
- SAML2
- OIDC
- X.509
- Passkey (FIDO2)
Long available and proven but complex
Good for MFA and integrated in many devices

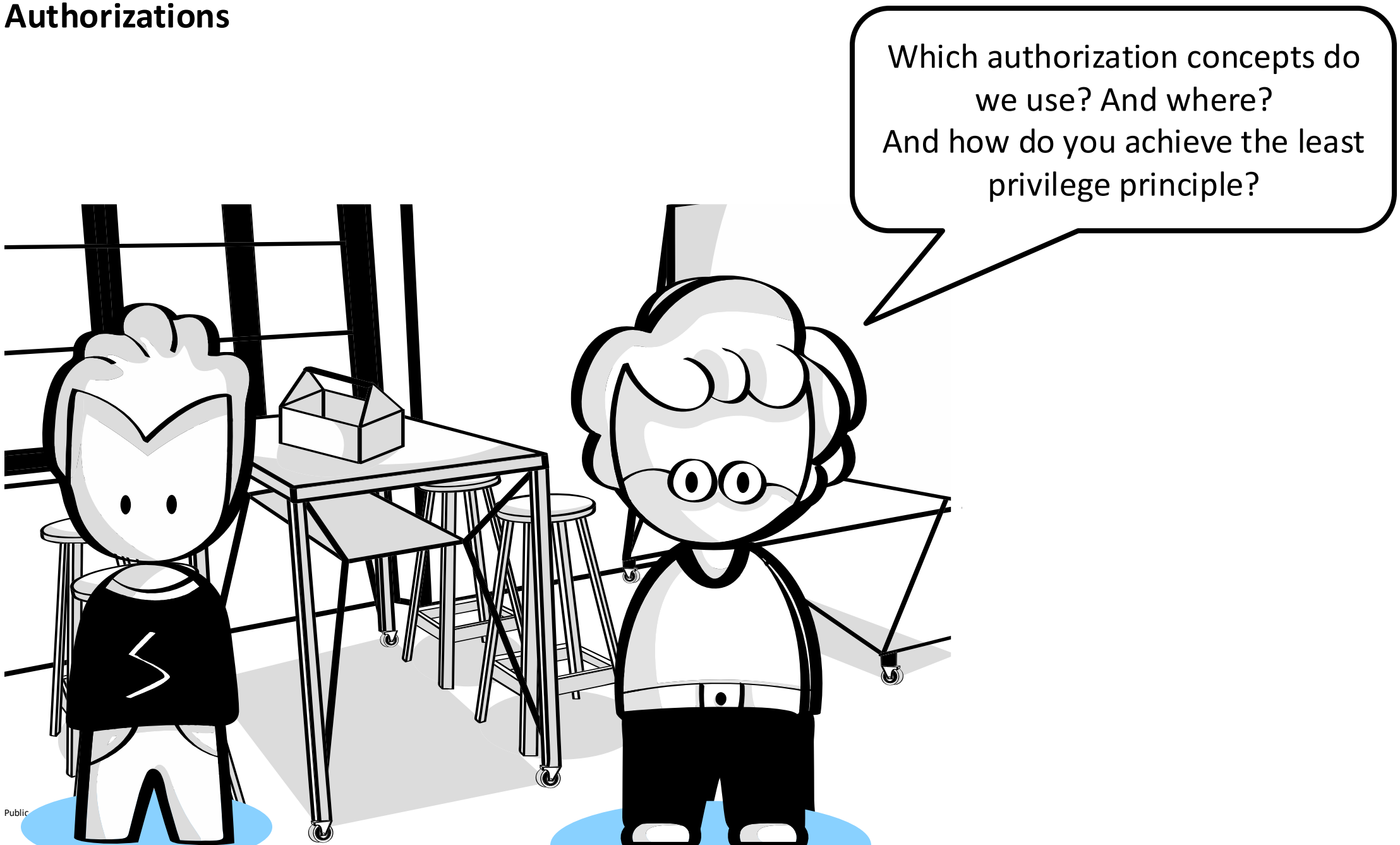
Authorizations



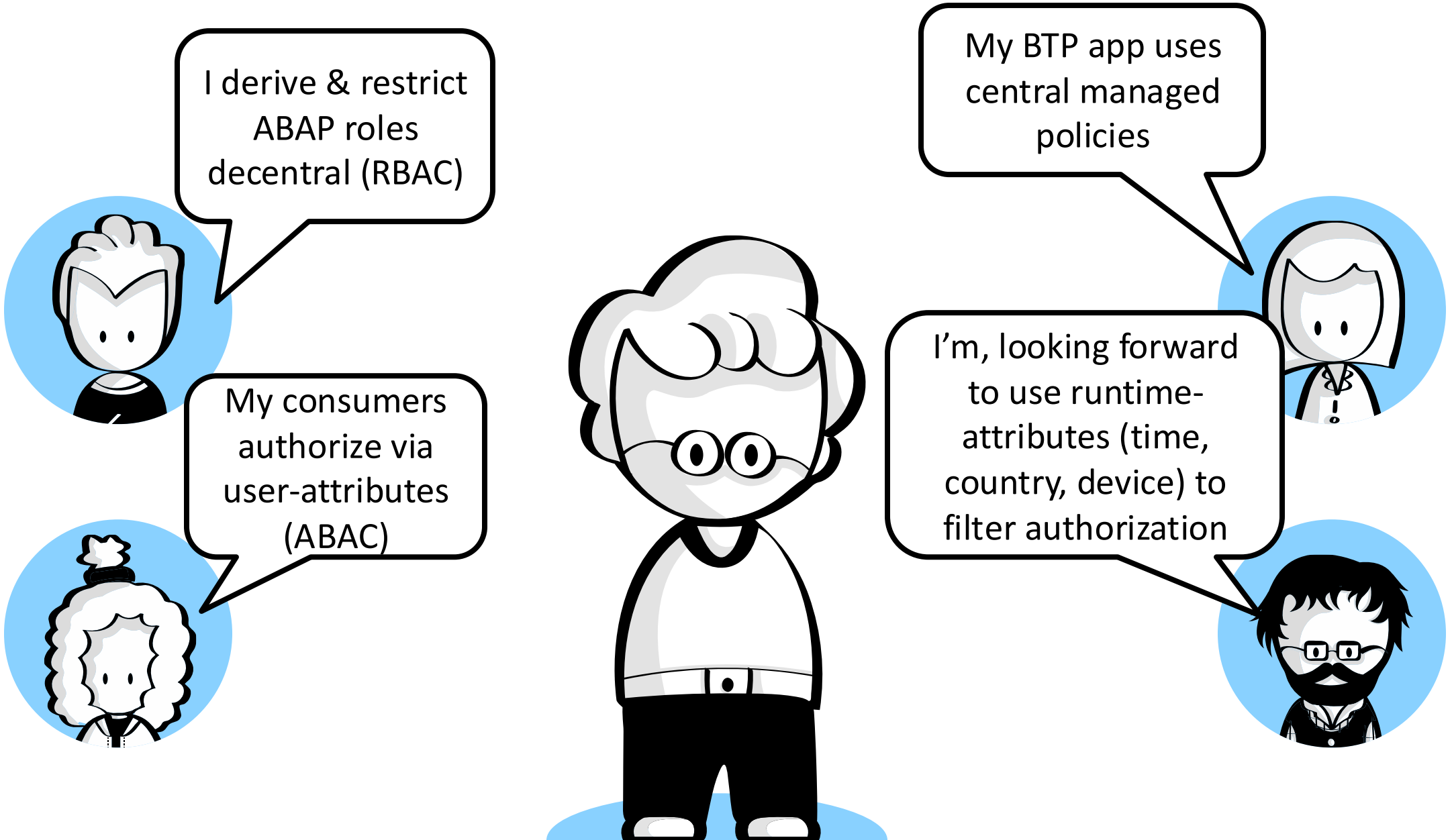
Authorization

How authorizations are being maintained, analyzed and audited.

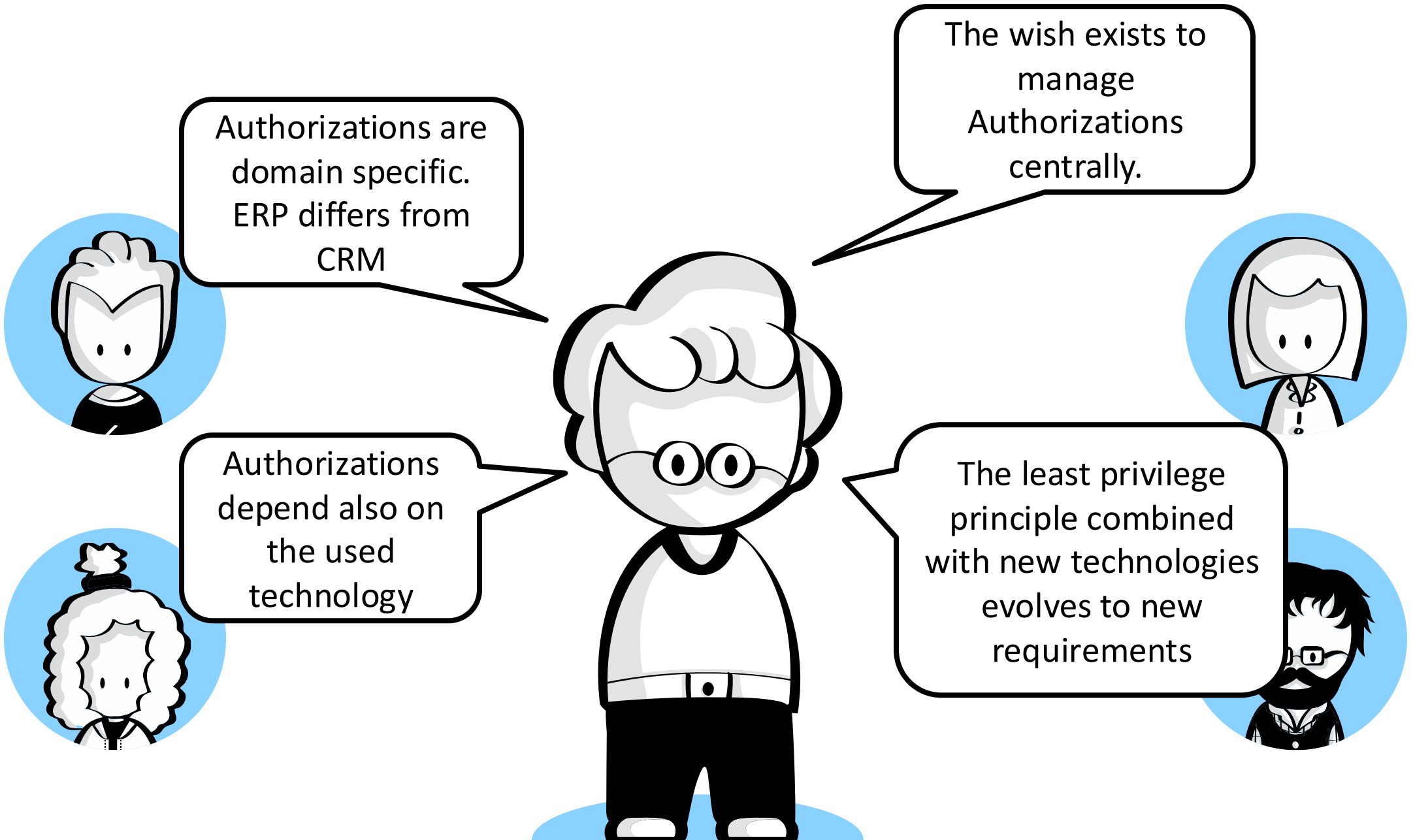
Authorizations



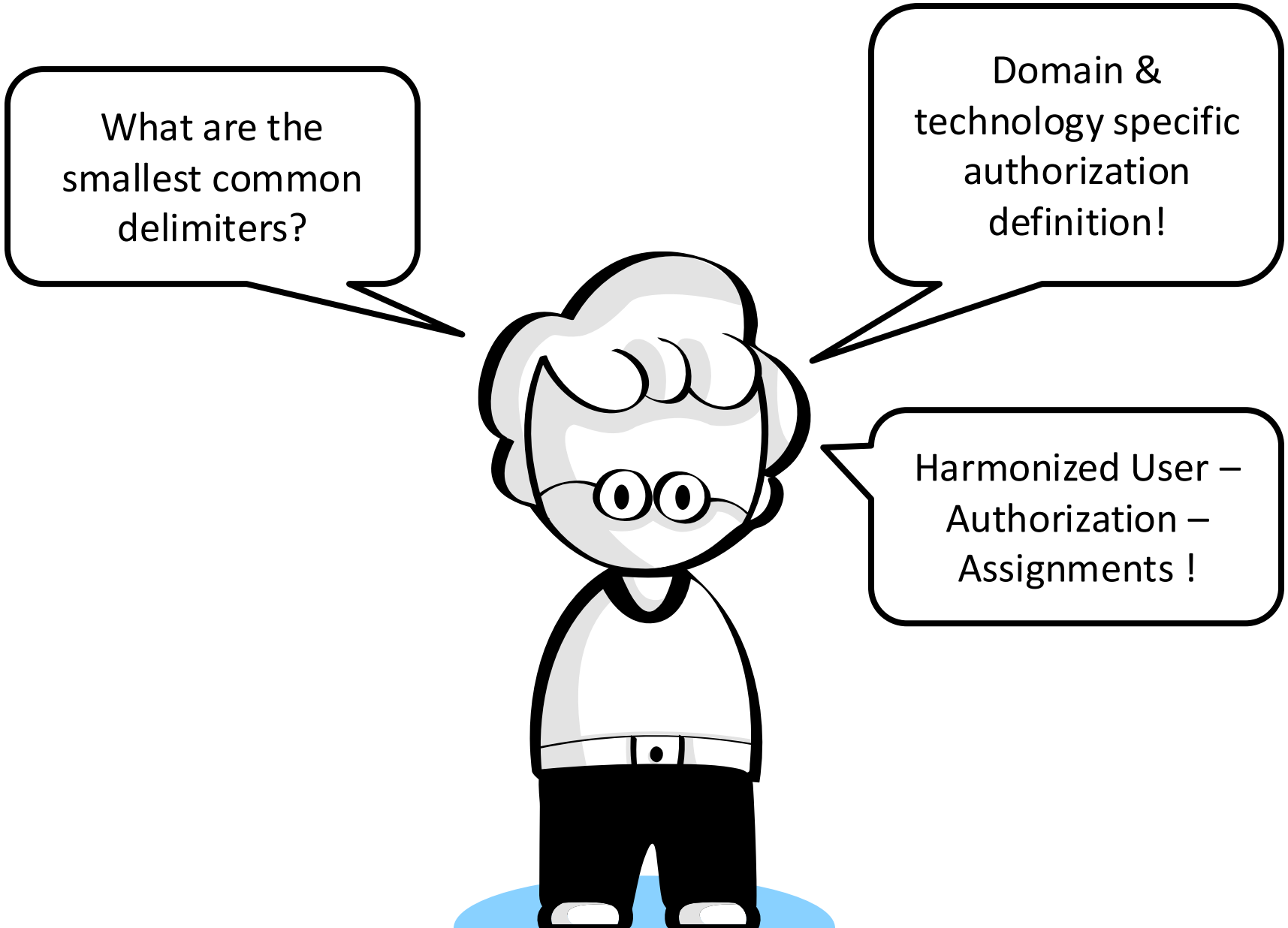
Authorizations



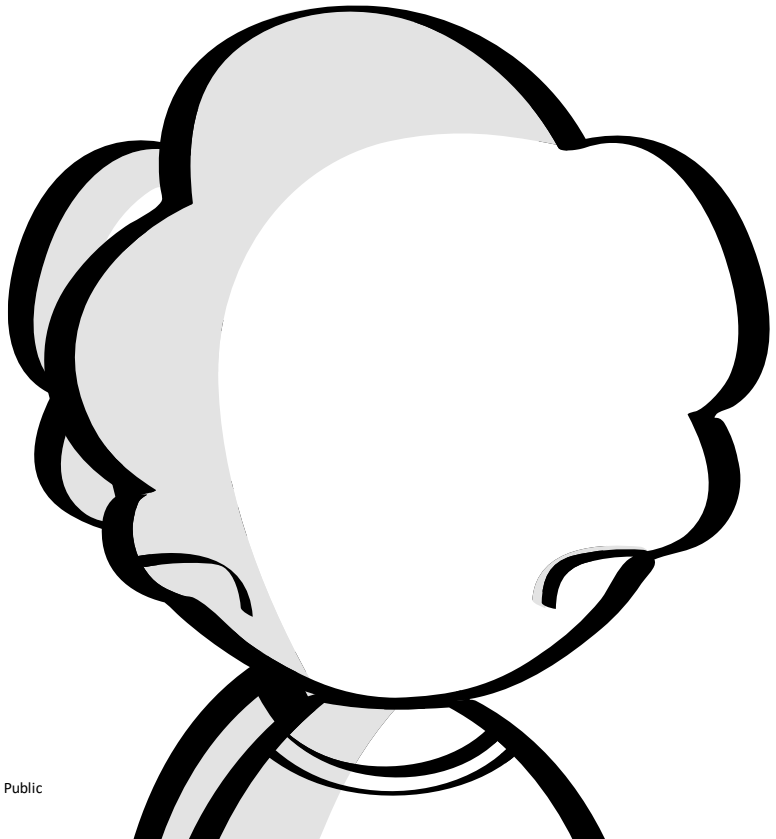
Authorizations



Authorizations



IAM Summary

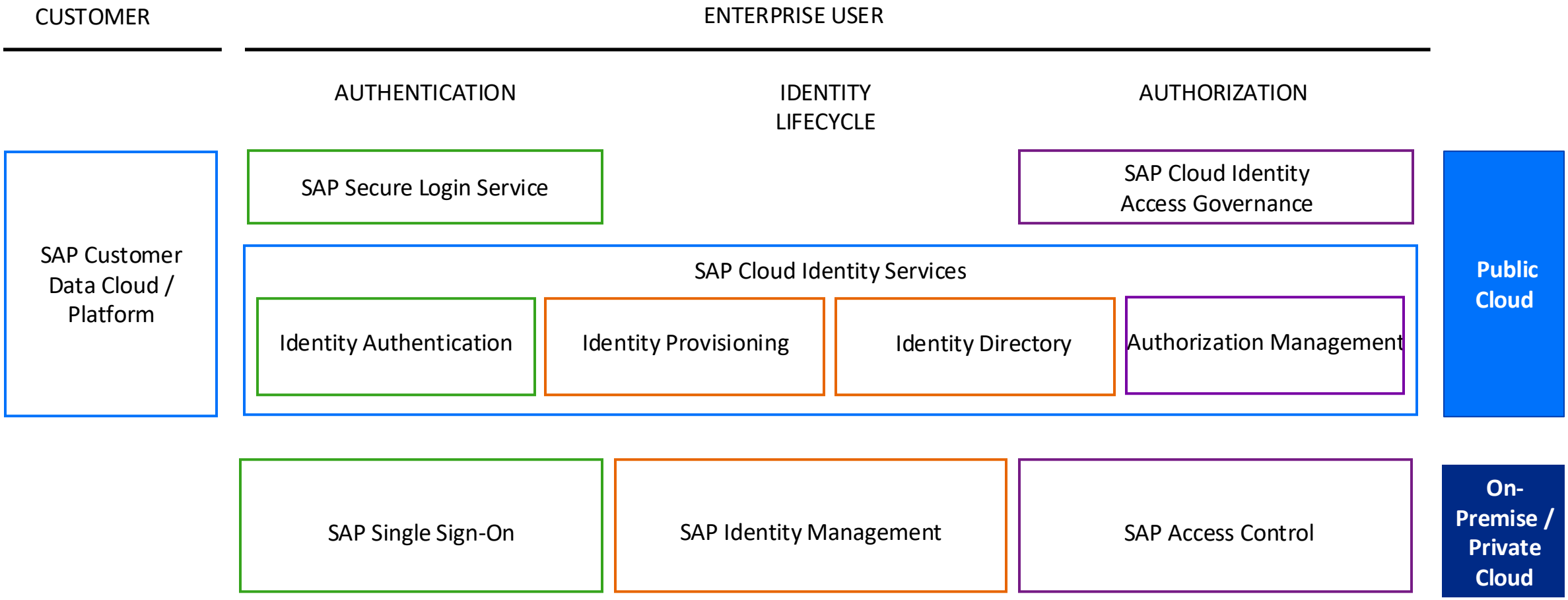


Authentication	Identity Lifecycle	Authorization
How clients securely authenticate to applications with as few interactions as possible.	How users are being maintained, replicated, authorized from creation until deletion.	How authorizations are being maintained, analyzed and audited.

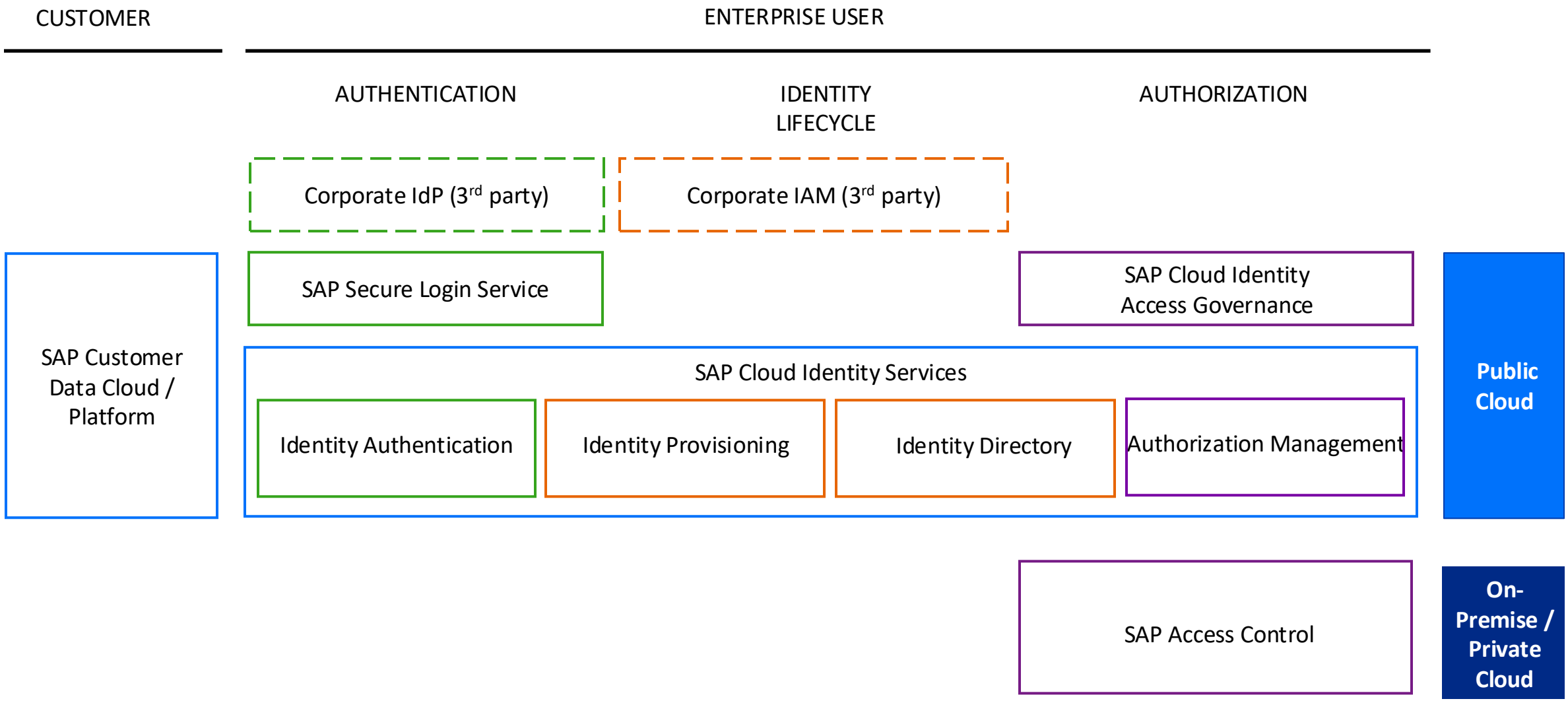
SAP Identity Access Management

Portfolio

Identity Access Management – SAP Portfolio 2024



Identity Access Management – Go to Portfolio (2027+)



SAP Cloud Identity Services

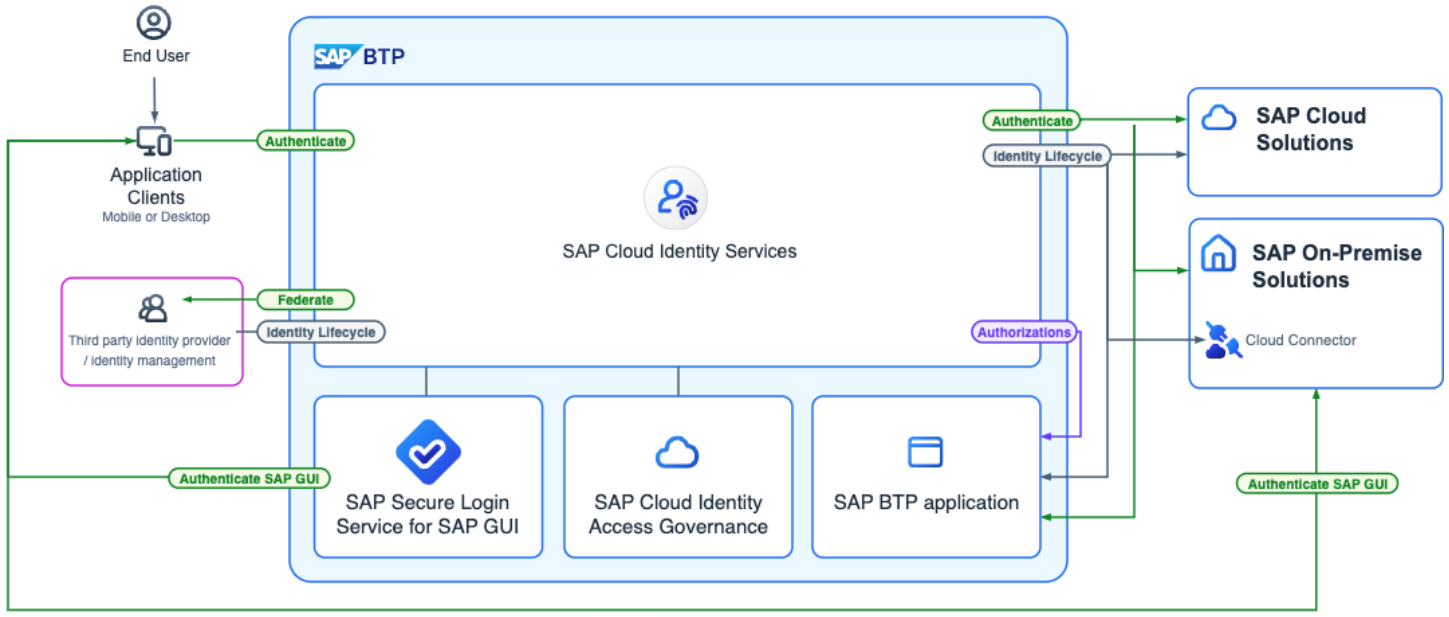
SAP Cloud Identity Services are the **default** to authenticate and provision users in cloud solutions from SAP.

- Identity authentication
- Identity provisioning
- Authorization management
- Integrated through the common identity directory

The number of **pre-integrated SAP solutions** that require **SAP Cloud Identity Services** will increase**.**

There is no need to separately license the usage of our services, when used with SAP cloud solutions.

By default, we offer **two tenants**



Authentication

Reference Architecture

Authentication

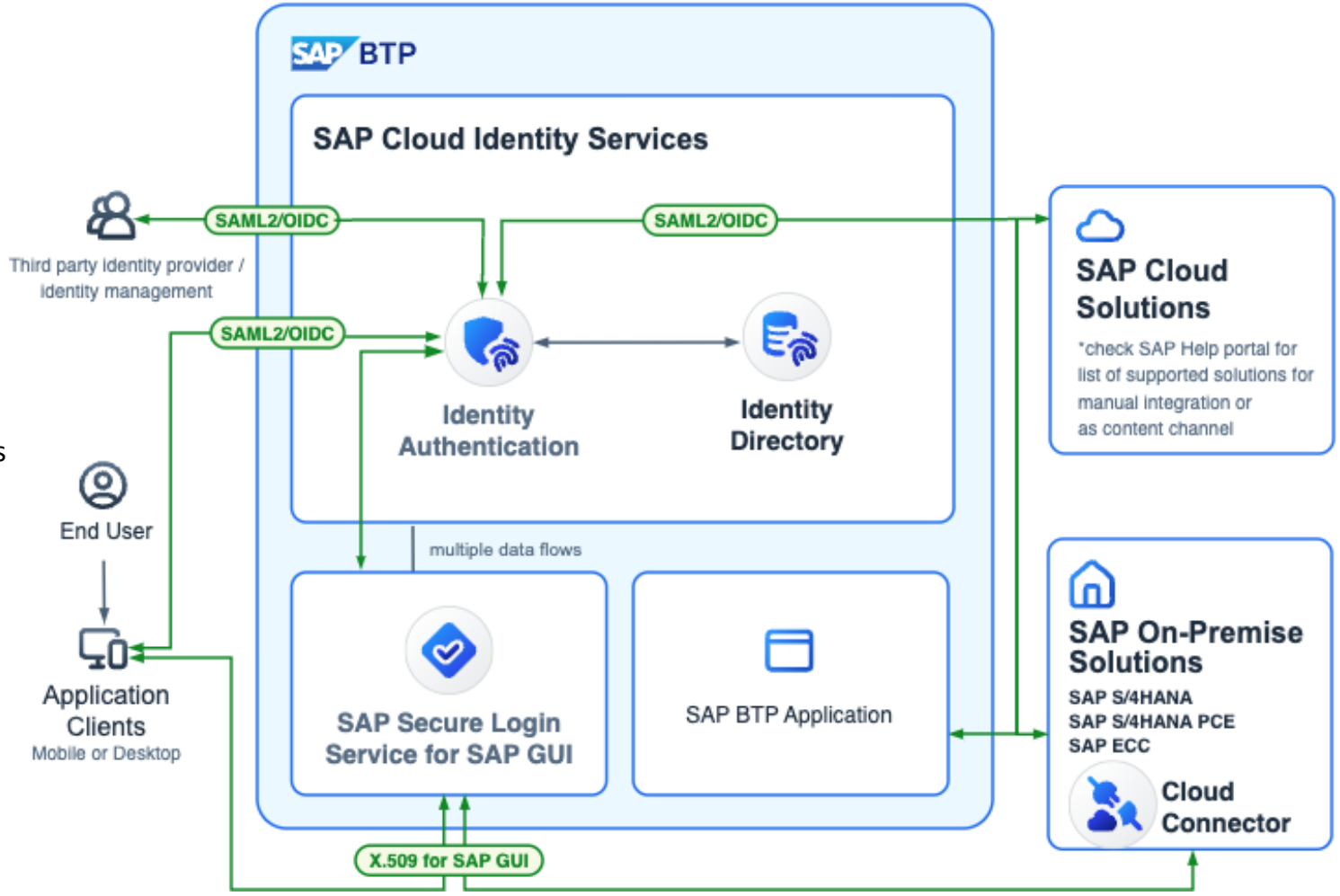
Reference Architecture

SAP Cloud Identity Services – **Identity Authentication** acts as SAP interface for SAML2/OIDC **federation with Identity Providers**.

SAP Cloud Identity Services – Identity Authentication acts as **trusted anchor** for the **SAP applications** in the landscape.

The **Identity Directory stores the SAP users and access assignments** – especially for SAP applications without an own user store (No credentials required in case of federation).

The SAP Secure Login Service for SAP GUI integrates seamlessly with SAP Cloud Identity to authenticate the user. The service issues short term X.509 certificates to authenticate via the Secure Login Client to SAPGUI applications.



Identity Lifecycle

Reference Architecture

Identity Lifecycle

Reference Architecture

SAP SuccessFactors acts as **source** for **Employee** data.

SAP Fieldglass acts as **source** for **Contigent Worker** data.

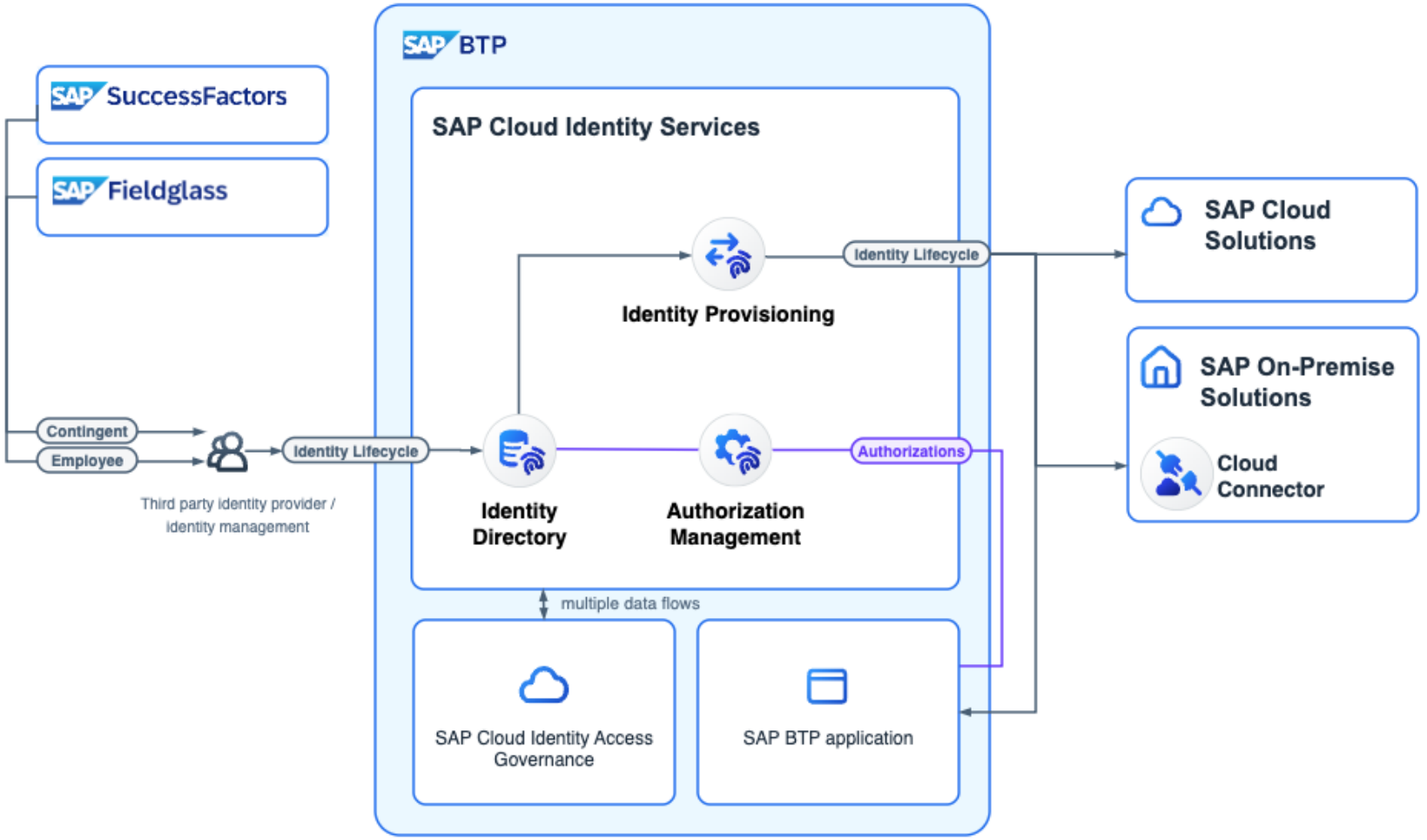
Identity Management solution derives **Identity from Workforce**.

SAP Cloud Identity Services **receive** the derived **Identity** and act as a **single integration point** for **Identity Access Management**.

SAP Cloud Identity Services – **Identity Directory** and **Identity Provisioning** act as store and replication tool together.

SAP Authorization Management Service manages **policies** for **new BTP apps**.

SAP Cloud Identity Access Governance offers additional riks & access governance features.



Authorizations

Reference Architecture

Authorizations

Reference Architecture

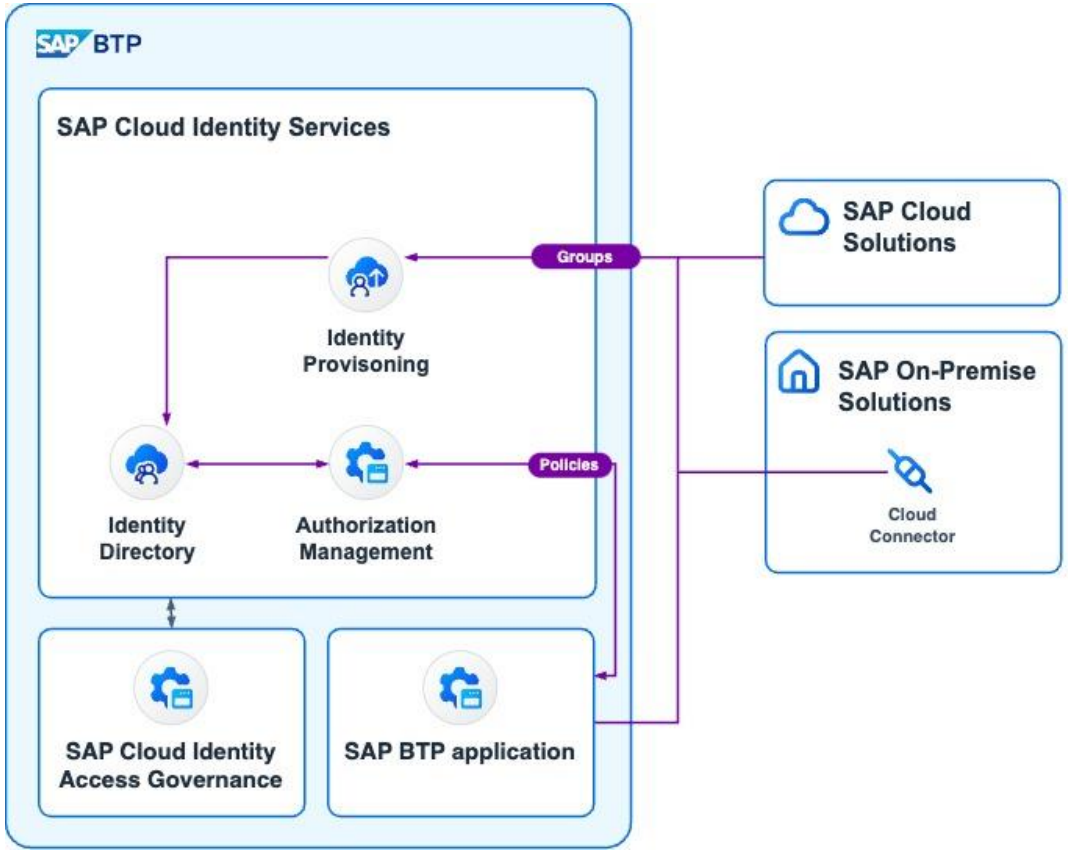
Most **applications** define authorizations **internally** because authorizations are domain specific.

Aim for **central user assignment** to roles and groups in SAP Cloud Identity Services.

New SAP Business Technology Platform **applications** leverage the **Authorization Management Service** for central policy derivation.

SAP Cloud Identity Access Governance **identifies** and **mitigates business risks** in access and user assignments.

The SAP Cloud Identity Services provide through the Identity Directory the baseline for central Identity Access Management for SAP.



Further Information

CIO Guide 2024

- CIO Guide

IAM Strategy (blog posts)

- IAM Reference Architecture – SSO
- IAM Reference Architecture - Identity Lifecycle

Reference Architectures

- Discovery Center Security Reference Architectures

SAP Cloud Identity Services

- SAP Cloud Identity Services
- Community
- Roadmap

Public

Feedback!
Questions?

Thank you.

Contact information:

Gunnar Kosche
gunnar.kosche@sap.com

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