

# I AM SPARTACUS

## Making sense of IDCS



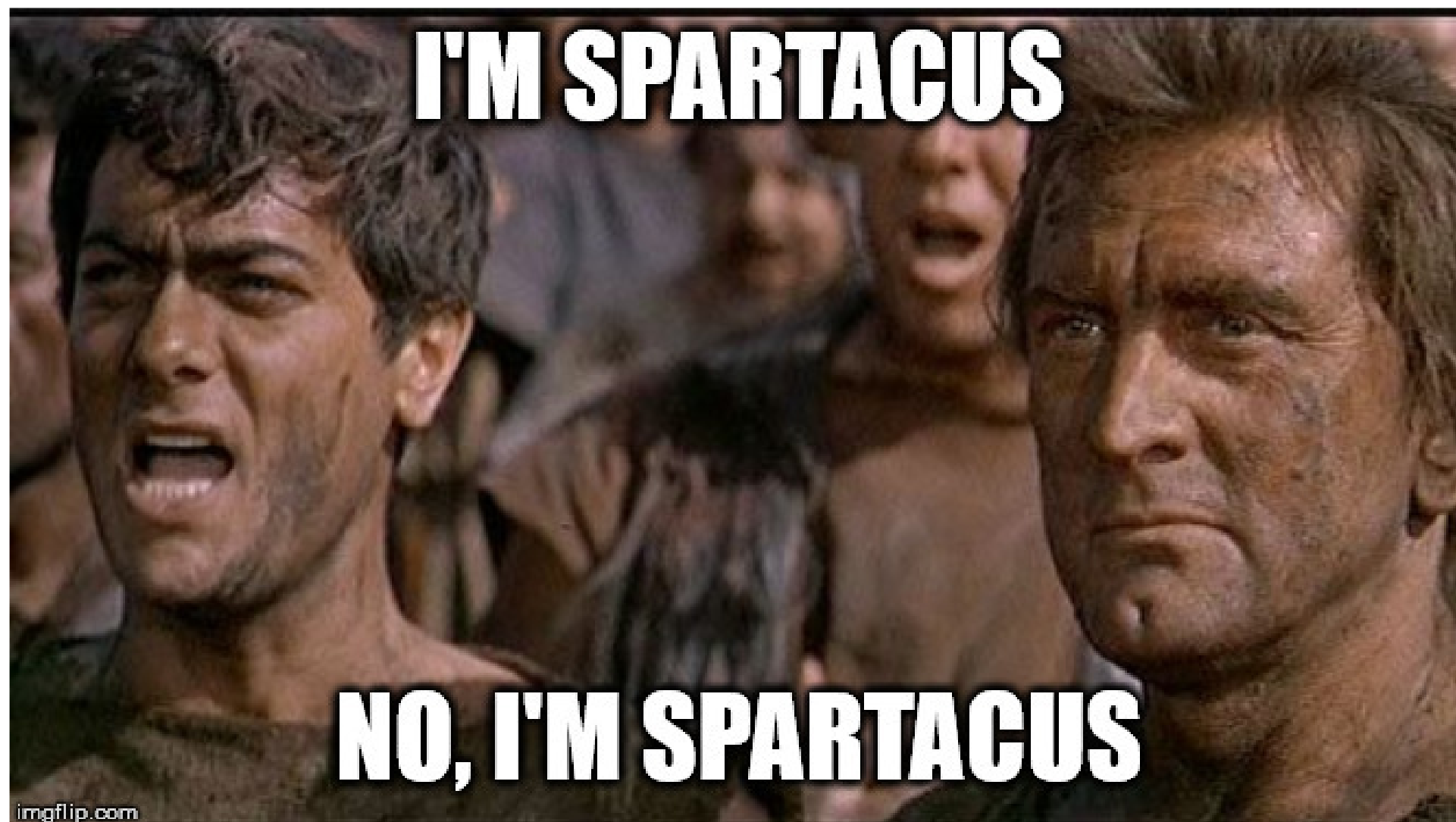
Tech Days 2020 Milan 29.01.2020 Rome 31.01.2020

# Christian Berg

- Oracle ACE Director Business Analytics
- Oracle Analytics since 2001
- Speaker at OpenWorld, KScope, User Groups and open-source conferences
- Blogger on Analytics, BI/H, Data Science <http://dimensionality.ch>
- Telegram/IRC #obihackers moderator
- ODC and OCCC community advocate
- Trainer for Oracle University since 2006

ORACLE  
ACE Director





# I'm a user, but where do I come from?

The screenshot displays the Oracle Analytics web application interface. At the top, a grey header bar contains the Oracle Analytics logo on the left and a user profile icon on the right, which is highlighted with a red box and a red arrow pointing to the main profile banner. Below the header, a blue navigation bar features a 'Home' button. The main content area is divided into several sections. On the left, there is a 'Customer Segment' section titled 'Small Business' with a map visualization of 'City, Profit'. The map shows various cities with blue circles of varying sizes, indicating profit levels, with a legend showing a range from -6K to 20K. Below the map is a 'Sample Project' section. On the right, a user profile banner for 'Christian Berg' is displayed, featuring a cartoon avatar. Below the banner, a 'My Profile' section contains a form with the following fields: 'User Name' (christian.berg@dimensionality.ch), 'First Name' (Christian), 'Last Name' (Berg), and 'Display Name' (Christian Berg). Below the profile section, there are three project cards: 'fruit' (with a green Excel icon), 'EU referendum' (with a red icon), 'UFO Sightings' (with a green icon), and 'Halloween Candy' (with a green icon).

ORACLE Analytics

Home

Search Everything

Projects and Reports Data Recent Data Sets Favorite Projects

Customer Segment  
Small Business

City, Profit

City Profit -6K 20K

Sample Project

ORACLE Analytics

Christian Berg

My Profile Privacy Shared Links

User Name christian.berg@dimensionality.ch

\* First Name Christian

\* Last Name Berg

Display Name Christian Berg

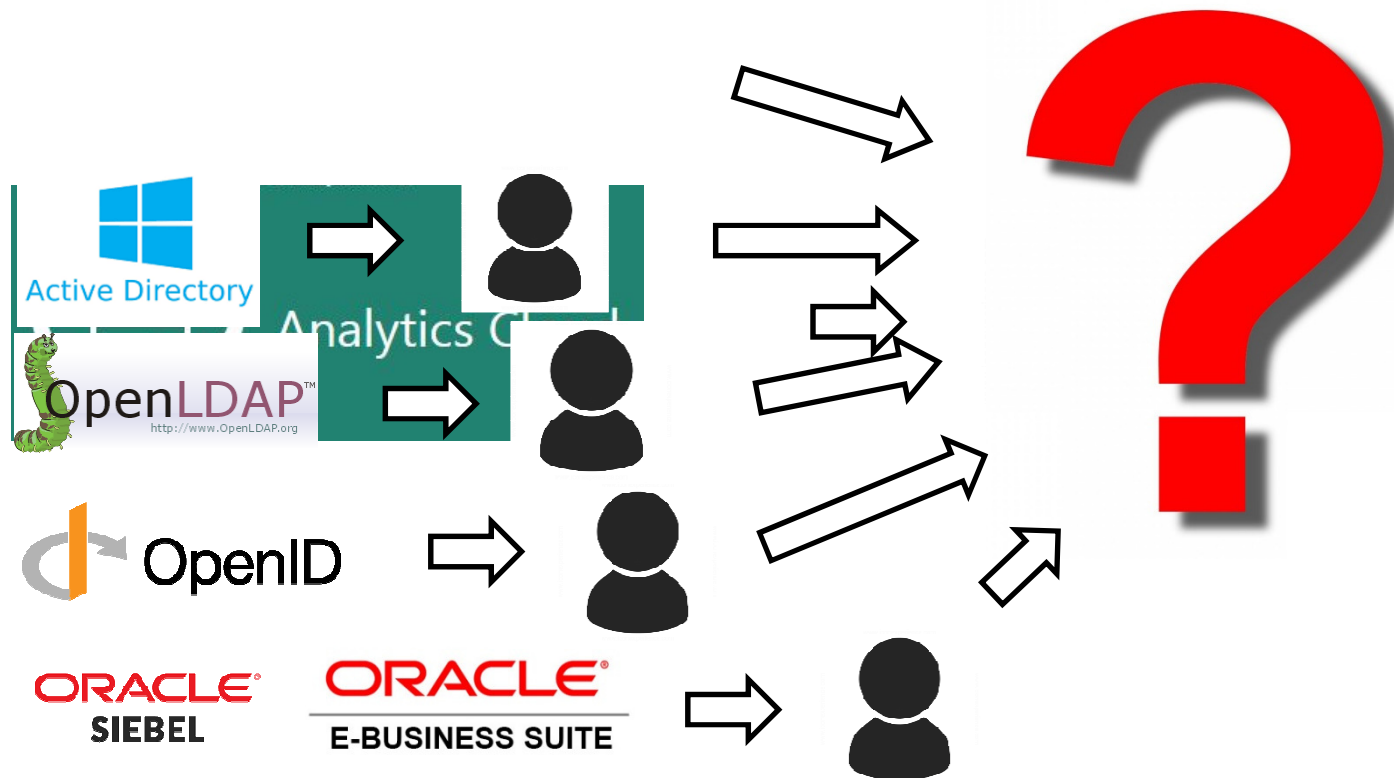
fruit

EU referendum


UFO Sightings

Halloween Candy

# I'm a user, but where do I come from?



# IDCS

 **ORACLE** Identity Cloud Service CB

Welcome christian.berg@dimensionality.ch

[Watch the Video](#) [Learn More](#) [What's New](#)

Here's what you can do:

- Onboarding Users and Groups
- Onboarding Applications
- Auditing the System, Users, and Groups
- Managing Security Settings
- Performing Self-Service Diagnostics
- Customizing the Service
- Performing End-User Self Service

Filter by Date Range Last 30 Days

Users

38

Total

1 Created

0 Removed

Applications

52

Total

0 Created

0 Removed

Groups

4

Total

0 Created

0 Removed

Passwords

0

Resets

0 Failed Attempts

Logins

6

Total

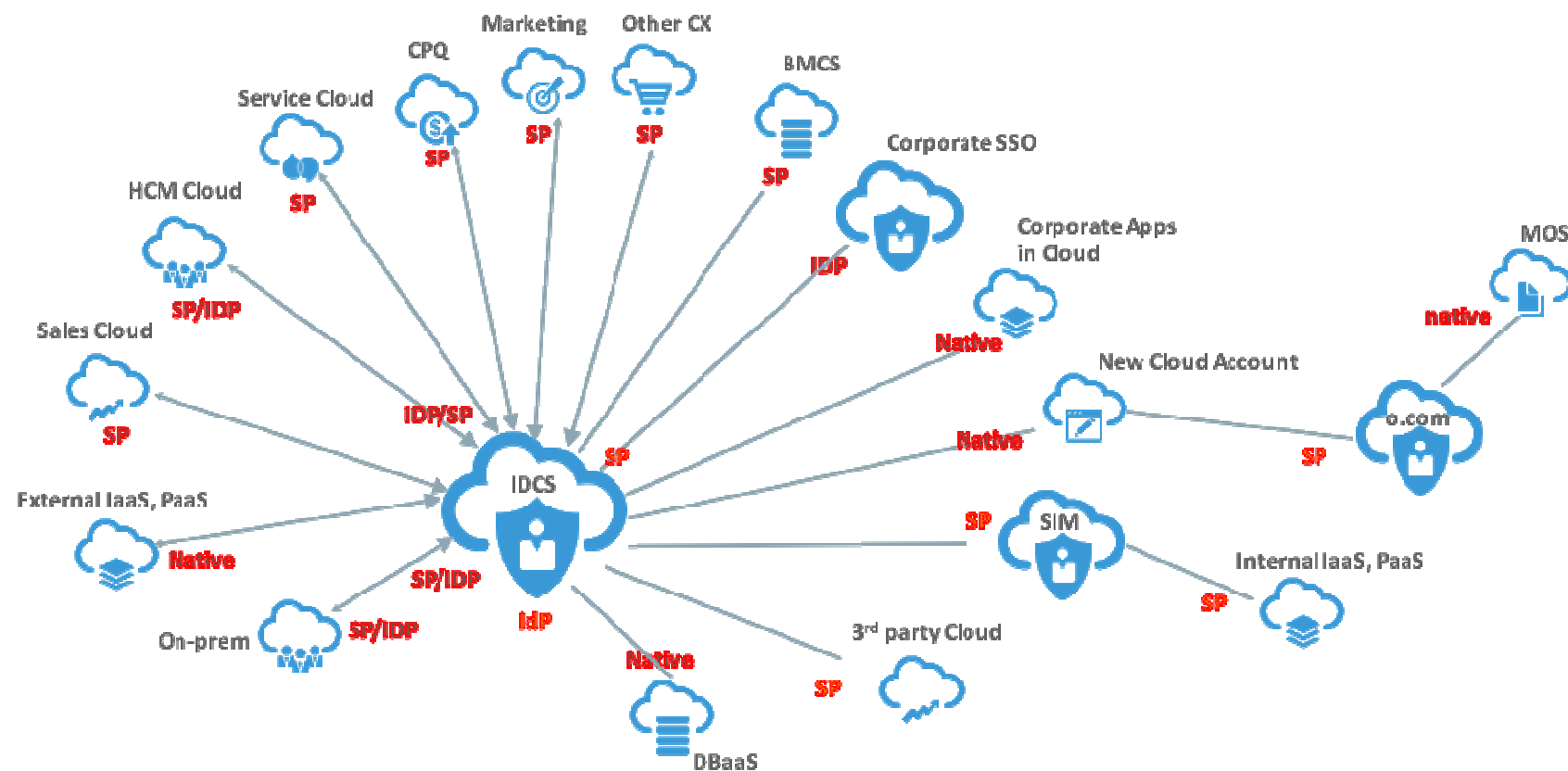
0 Failed Attempts

All Reports

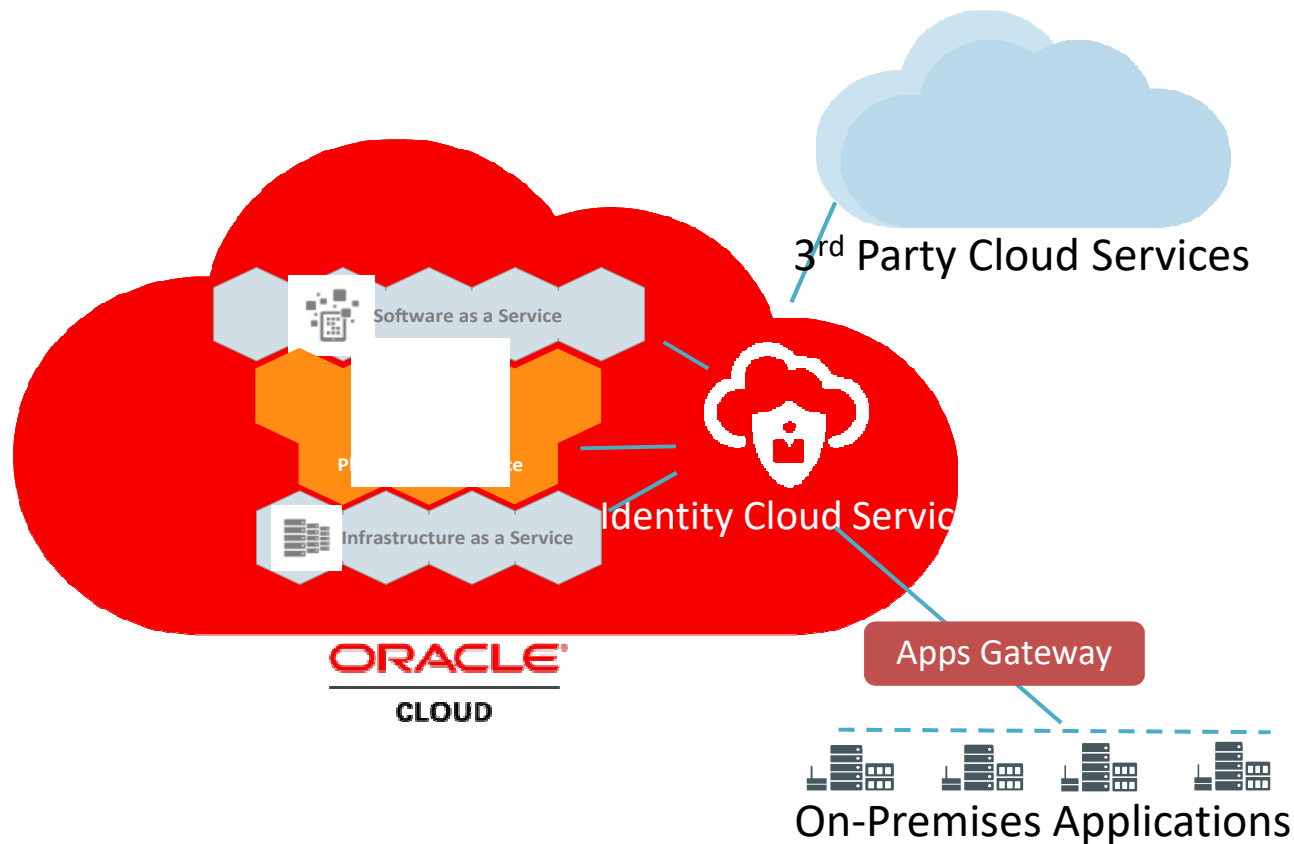
5

Total

# Central Cloud Identity Management

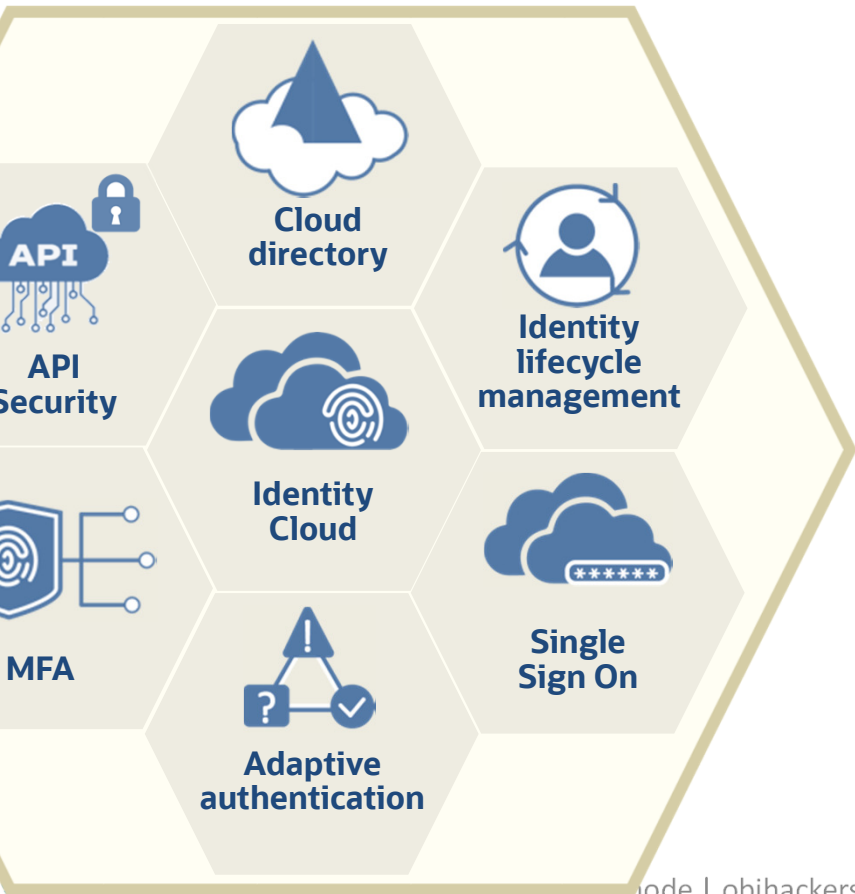


# Hybrid cloud + on-premises applications





## IDCS Functional Areas



# Cloud directory

Extensible, highly scalable repository to store information about users, groups, devices and application accounts



Use **Bi-directional** integration and **password management** – AD and LDAP



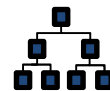
Use **Delegated Administration** to simplify administration of users and apps



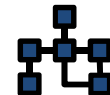
Use **SAML, Social or Open ID Connect Identity Providers** to on-board employees, partners and consumers



Use KBA, SMS or Email for password recovery



Support LDAP-enabled applications using a **LDAP Proxy**



Use **extensible schema** with access control to capture and manage user information

# Identity Provisioning

On-board employee, consumer and partner identities from any source and manage their lifecycle



**Pre-defined Templates** for major SaaS and on-premises Applications



**SCIM App Templates** for integration with partner-provided **SCIM Gateways**



**Provisioning Gateway** to support **bespoke application** integration and **on-premises** applications



Manage **accounts and entitlements** via admin and RBAC in applications

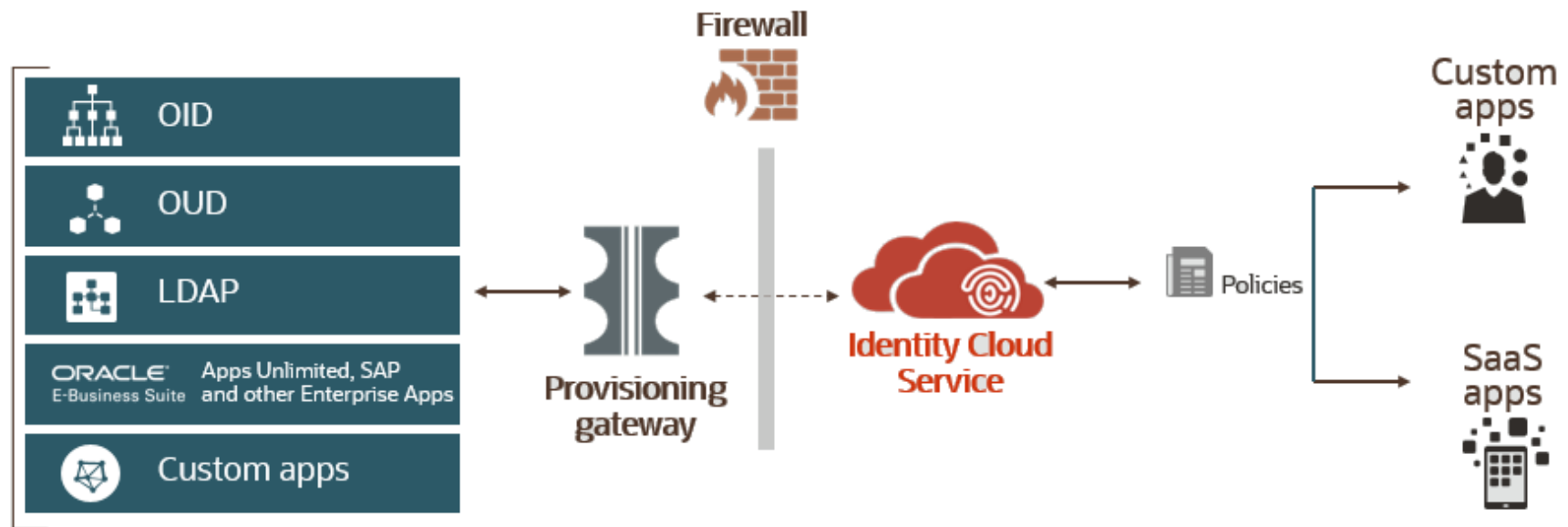


Use **access request** and configurable rules to control user access and account attributes



Keep Application Administrators informed of provisioning activity via **summary notifications**

# Provisioning Gateway



# Identity Lifecycle Management

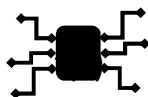
On-board employee, consumer and partner identities from any source and manage their lifecycle



Use **self-registration profiles** to invite partners and customers to **sign-up**



Use **terms of use** and **consent management** to give users control over who has access to their data



Use **meta-directory capabilities** to generate values for attributes on the fly



Use **role-based Access (RBAC)** policies to automate access including **assigning entitlements** to users



Use identity **lifecycle events** to push profile changes to downstream applications



**Discover** and **remediate** rogue access discovered in applications

# Single Sign On

Enable employees, customers, and partners to access their applications seamlessly using a single authentication



Support for Standards: **SAML, WS-Fed, Open ID Connect**



**Password-less:** Eliminate the use of passwords using Oracle Mobile Authenticator



Use **Adaptive MFA policies** to enforce **authentication options** and **control access** to apps



**Enforce** session controls on users based on context and apps



Use **authorization policies** for fine-grained access control on **APIs and web resources**



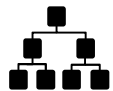
**Migrate** from legacy WAM solutions and simplify and modernize security



Get **real-time visibility** through operational reports and SIEM integration

# Platform Security

Secure access of privileged users in Databases, VPN, Wi-Fi and Compute



Use **LDAP Proxy** for platform apps that require LDAP



Secure VPN and Wi-Fi networks using **RADIUS Proxy**



Use **Pluggable Authentication Module** to secure Compute access



Secure Oracle Database access using **RADIUS Proxy**



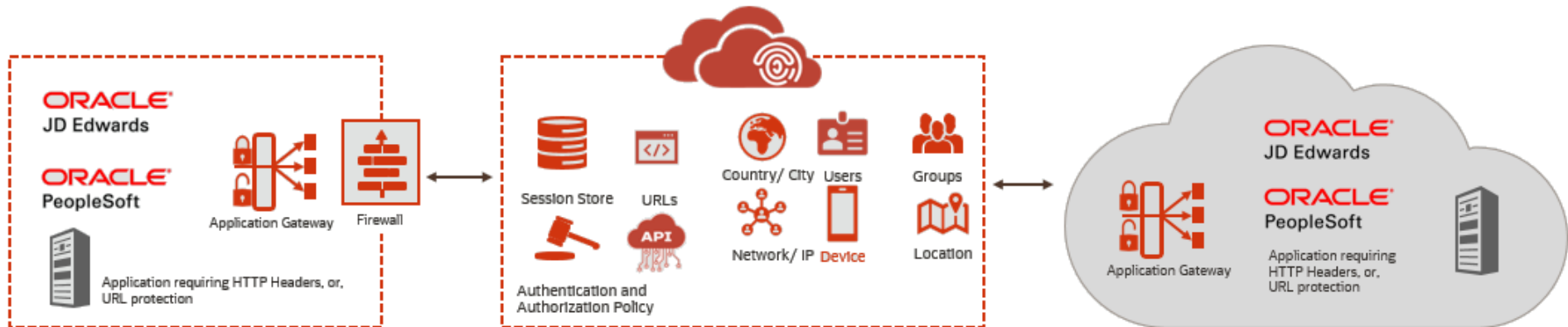
Use **PIV/CAC** and certificate based authentication to comply with regulatory requirements



Use **Password-less, Adaptive MFA** and **Policies** to achieve strong security

# Application gateway

Modernize Web Access Management and enable access to apps without VPN





# Multi-factor Authentication

Secure access to apps and prevent credential theft



Use multiple factors based on **who you are, what you have** and **what you know**



Use **App-specific factors** and Policies to provide an experience tailored to the user and the app



Integrate with **Adaptive Access**



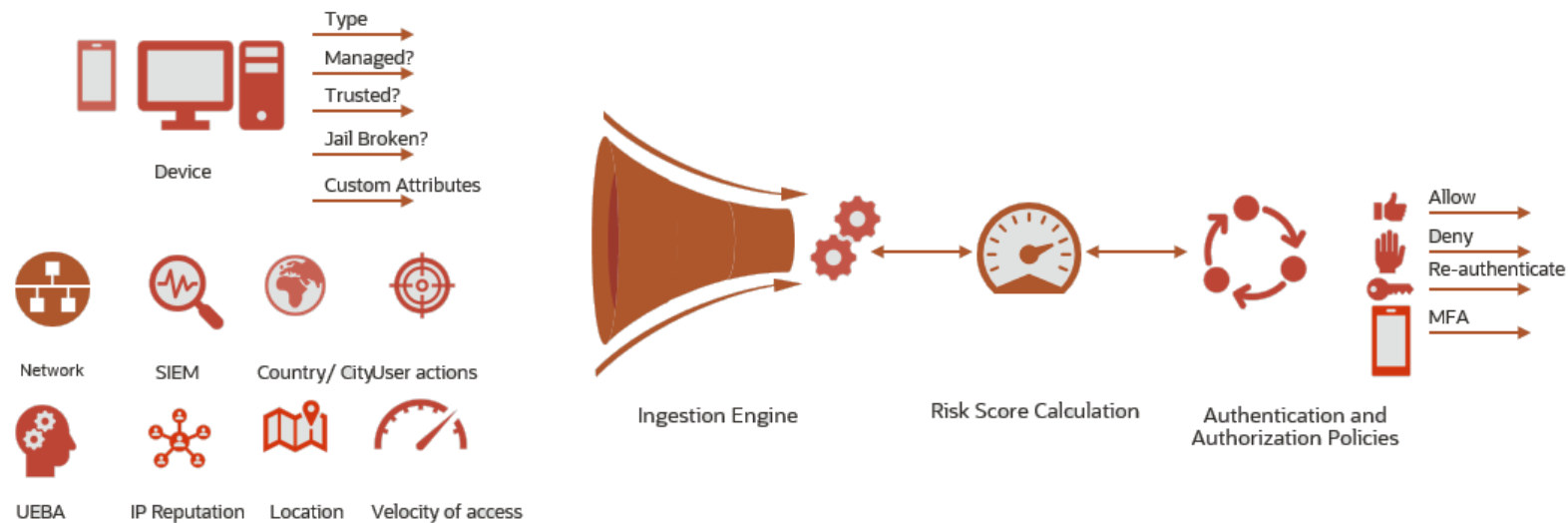
Bring your MFA – Use APIs or any Provider that supports OIDC or SAML



Use **MFA APIs** in custom apps to provide **additional verification for sensitive operations**

# Adaptive authentication

Add an additional layer of security by learning from the user's behavior, context and external threat feeds



# API security

Standards-based, policy-driven centralized access management for APIs



Use OAuth and Open Id Connect to secure APIs



Use **Token Policies** to enforce security on access tokens and prevent rogue applications from accessing APIs



Use **Session and Token Management** to centrally monitor and revoke tokens immediately for suspicious users and clients



Enrich tokens using **custom claims** and prevent PII leakage for even standard claims



Use **Device-code flow** to secure set-top and other devices with no access to a browser



Use **SDKs** to improve developer productivity while developing web, mobile and hybrid apps



Integrate with **API Gateways** to provide centralized, consistent security

# Wide range of SDKs



## App Gate for Identity Cloud Service

Use this virtual machine to integrate on-premises applications with Oracle Iden

Version 18.4.2-1.3.0



## Identity Cloud Service Asserter for E-Business Suite

Use this asserter to enable single signon for Oracle E-Business Suite with Orad

Version 19.3.3-1.7.0



## Identity Cloud Service PAM Authentication Plug-in for Linux

Use this plug-in to configure your Linux environment to authenticate against C

Version 18.3.6-1.3.0



## Identity Cloud Service SDK for .NET

Use this SDK to develop web-based .NET applications.

Version 19.2.1-1.0.0



## Identity Cloud Service SDK for Android

Use this SDK to develop mobile Android applications.

Version 18.3.6-1.1.159



## Identity Cloud Service SDK for Java

Use this SDK to develop web-based Java applications.

Version 19.2.1-1.3.1



## Identity Cloud Service SDK for Node.js

Use this SDK to develop web-based Node.js applications.

Version 18.4.6-1.2.3



## Identity Cloud Service SDK for Python

Use this SDK to develop web-based Python applications.

Version 19.2.1-1.3.0



## Identity Cloud Service SDK for iOS

Use this SDK to develop mobile iOS applications.

Version 18.3.6-1.1.178

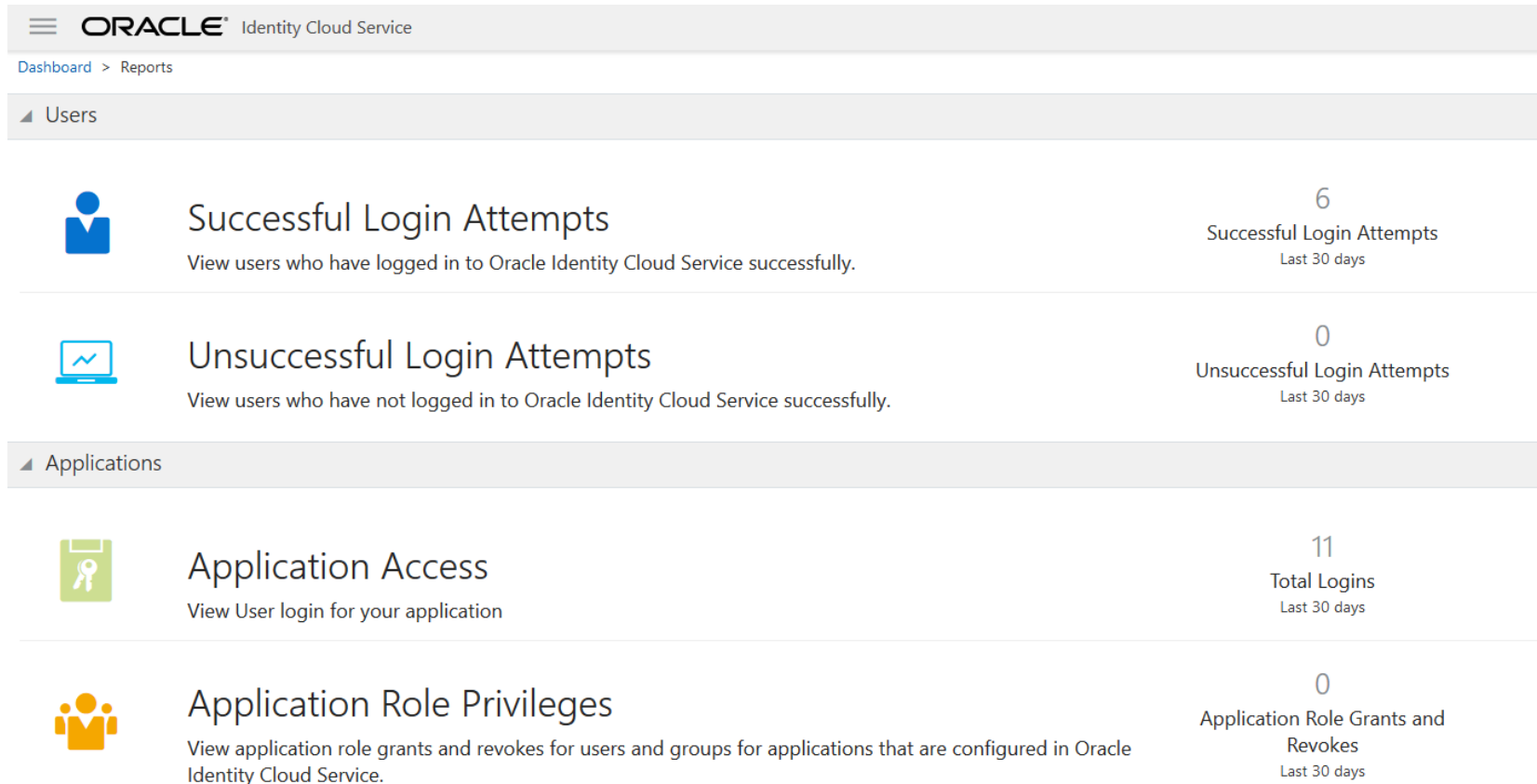


## Secure Form Fill Admin Client

Admin client application to create Secure Form Fill applications

Version 18.1.6-101

# Integrated Auditing and Reporting



# All applications. One Overview.

ORACLE Identity Cloud Service			CB
Applications		Search	
<input type="checkbox"/> Select All <a href="#">+ Add</a> <a href="#">X Remove</a> <a href="#">⌂ Activate</a> <a href="#">⌂ Deactivate</a>			
<input type="checkbox"/>	 <b>ADWC</b> Autonomous Database	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	 <b>ANALYTICS</b> Oracle Analytics Cloud	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	 <b>ANDC</b> NoSQL Database	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	 <b>APAAS</b> Oracle Application Container Cloud	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	 <b>APICS</b> Oracle API Platform Cloud Service	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	 <b>APICSAUTO</b> Oracle Autonomous API Platform Cloud Service	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	 <b>ATP</b> Autonomous Transaction Processing	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	 <b>AUTOANALYTICS</b> Oracle Autonomous Analytics Cloud	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	 <b>AUTOANALYTICSINST_oac54demo</b> [AUTOANALYTICSINST] oac54demo	<input checked="" type="checkbox"/>	

# So...nice try, Spartacus

