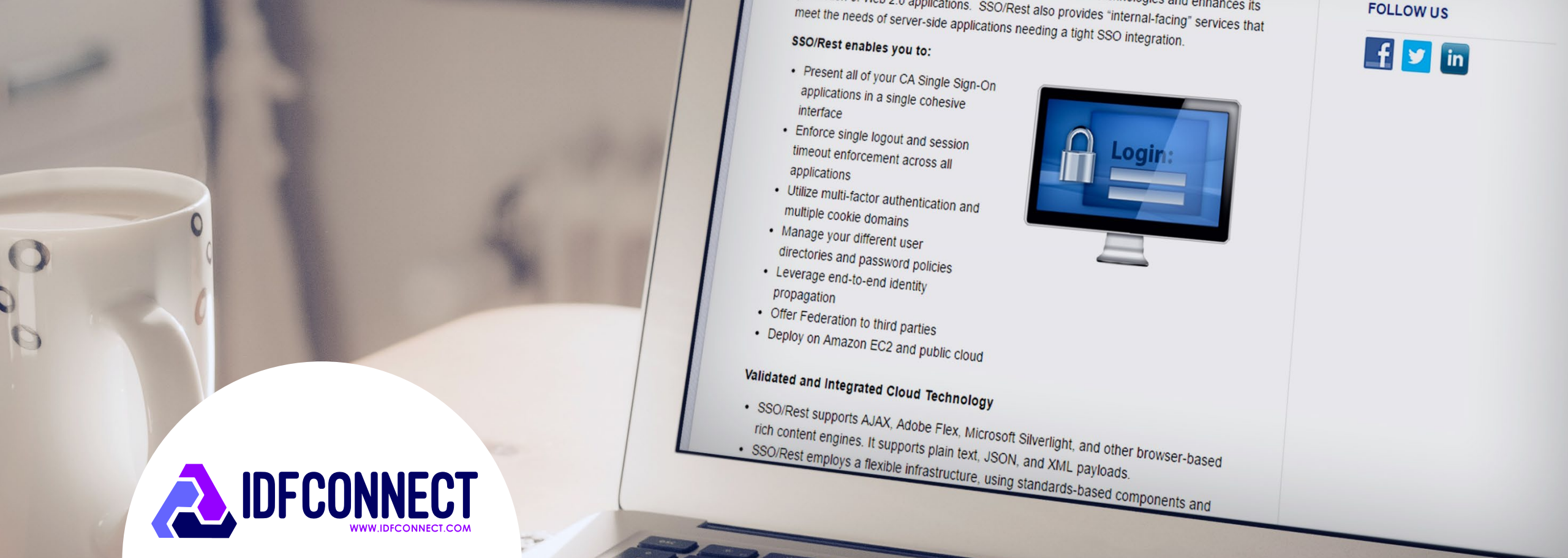# Modern Web Access Management - *Zero Trust Security* - from on-premises to the Cloud

Single Sign On, Access Controls, Session Management and how to use Access Management to protect applications both on premises and in the Cloud

Agenda

1. Zero Trust Web Access Management

2. The Access Management Transformation – moving applications from the data center to the Cloud with Zero Trust Security

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Part 1 – Zero Trust Web Access Management
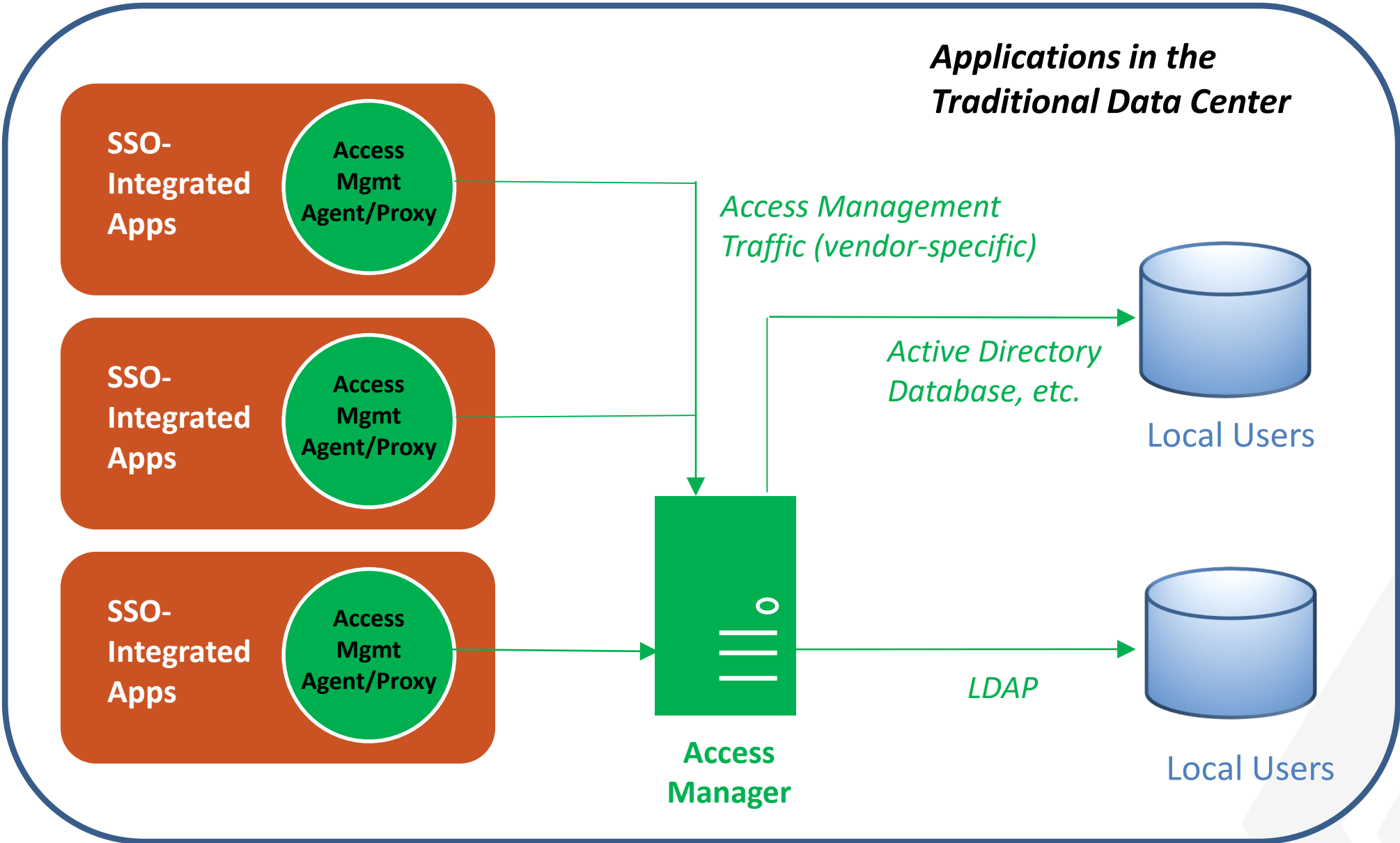
Why Web Access Management?

Ensure EVERY request is vetted and scored before ever touching your application

(Use a "Zero Trust" Architecture)

Central enforcement and audit of access policies and activity

Continuous Authentication, Single Sign On, Session Management, and across all apps EVERYWHERE

Applications in the Traditional Data Center

5 Modern Access Management Challenges

Applications in the Cloud

AJAX / Mobile / Thick Client
Application Integration

"Agent-less" Infrastructure

Use Cases

Server-side Application
Integration

Access Management
as-a-Service

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A Complete Zero Trust Access Management Solution

06 Centralized Audit

01 Authentication Management

05 Session Management

Web Access Management

02 Access Control Enforcement

04 Risk Scoring & Analytics

03 Single Sign On

Common Access Management in the Cloud

Web Access Management (Gaps in the Cloud)

- 01 — Authentication Management
- 02 — Access Control Enforcement
- 03 — Single Sign On
- 04 — Risk Scoring & Analytics
- 05 — Session Management
- 06 — Centralized Audit

The IDF Connect Solution – SSO/Rest

SSO/Rest combines existing and emerging technologies to extend the perimeter of your IAM solution safely and securely into your public Cloud platforms
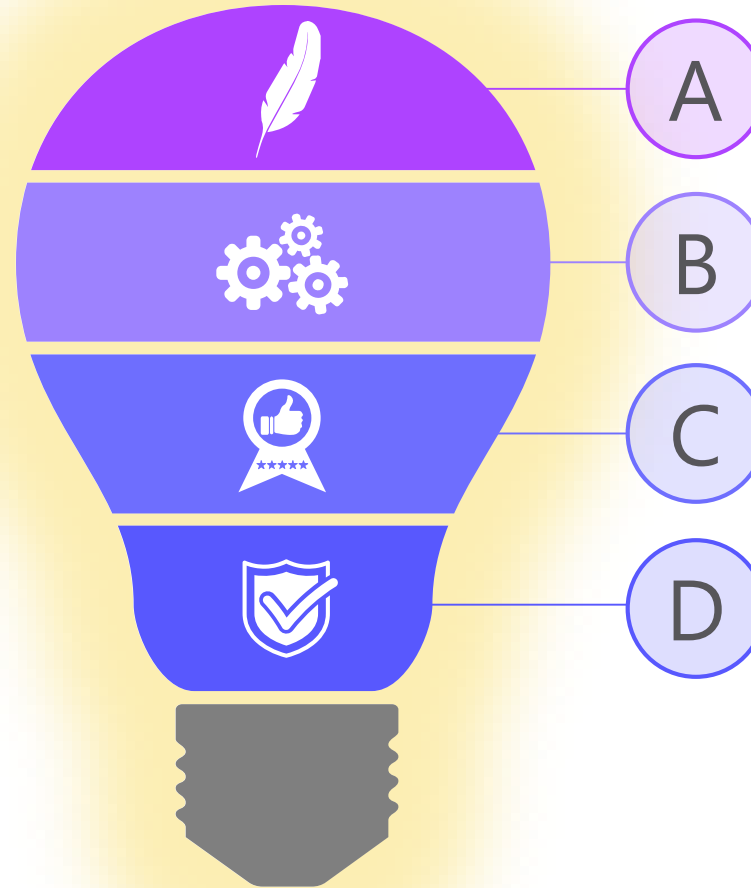
A — Rest based- lightweight

B — Modern engineering – orchestration, metrics, analytics

C — Easy to use, handles latency, transparent….

D — Risk scoring, strong authentication

SSO/Rest!

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But... is this just Federation?

NO! Ticket or Claims-based approaches are not *enough:*

Continuous authentication

Perimeter access management

Block attacks before they touch your applications

Application security alone is not enough

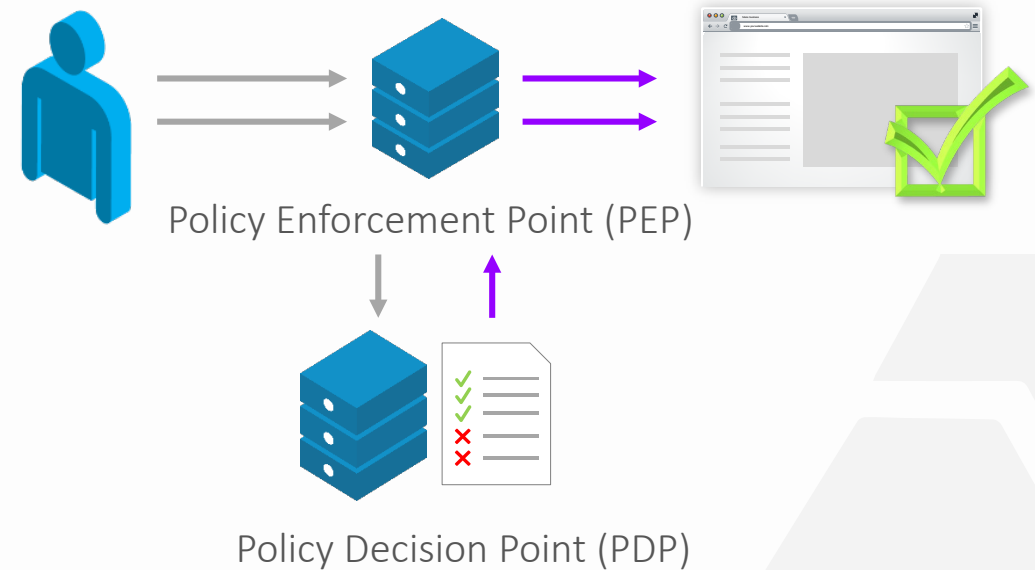# Remember: Federation is NOT the Same as Web Access Management

Federation

Authentication
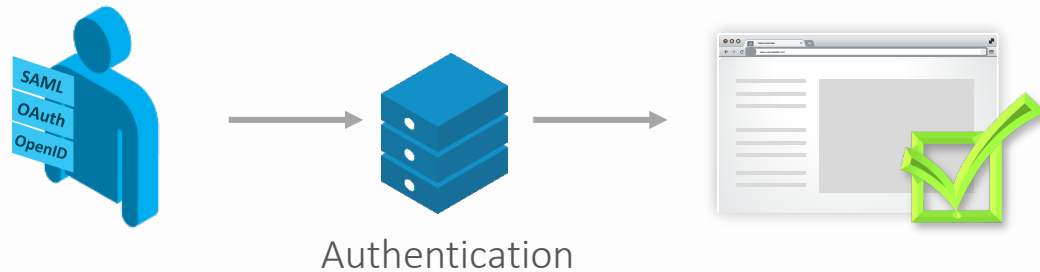
- One-time handoff from partner IDP
- Limited logout capability

Web Access Management (WAM)

Policy Enforcement Point (PEP)

Policy Decision Point (PDP)

- Perimeter Defense
- Access control
- Audit
- Session lifecycle management

Proven Success Stories

Seamless and Secure Integration

Fortune 50 retail company makes an acquisition, and has seamlessly and securely integrated the new web apps with its eCommerce portal, without having to bring the apps in-house or creating a VPN to the new company

Acquired Company Existing Web Apps

eCommerce Portal

Successfully Moving .NET applications to Microsoft Azure

Fortune 50 finance company successfully moves its .NET applications to Microsoft Azure while preserving all of its SSO integrations, authentication and access policies, and audit capabilities

.NET Applications

Microsoft Azure

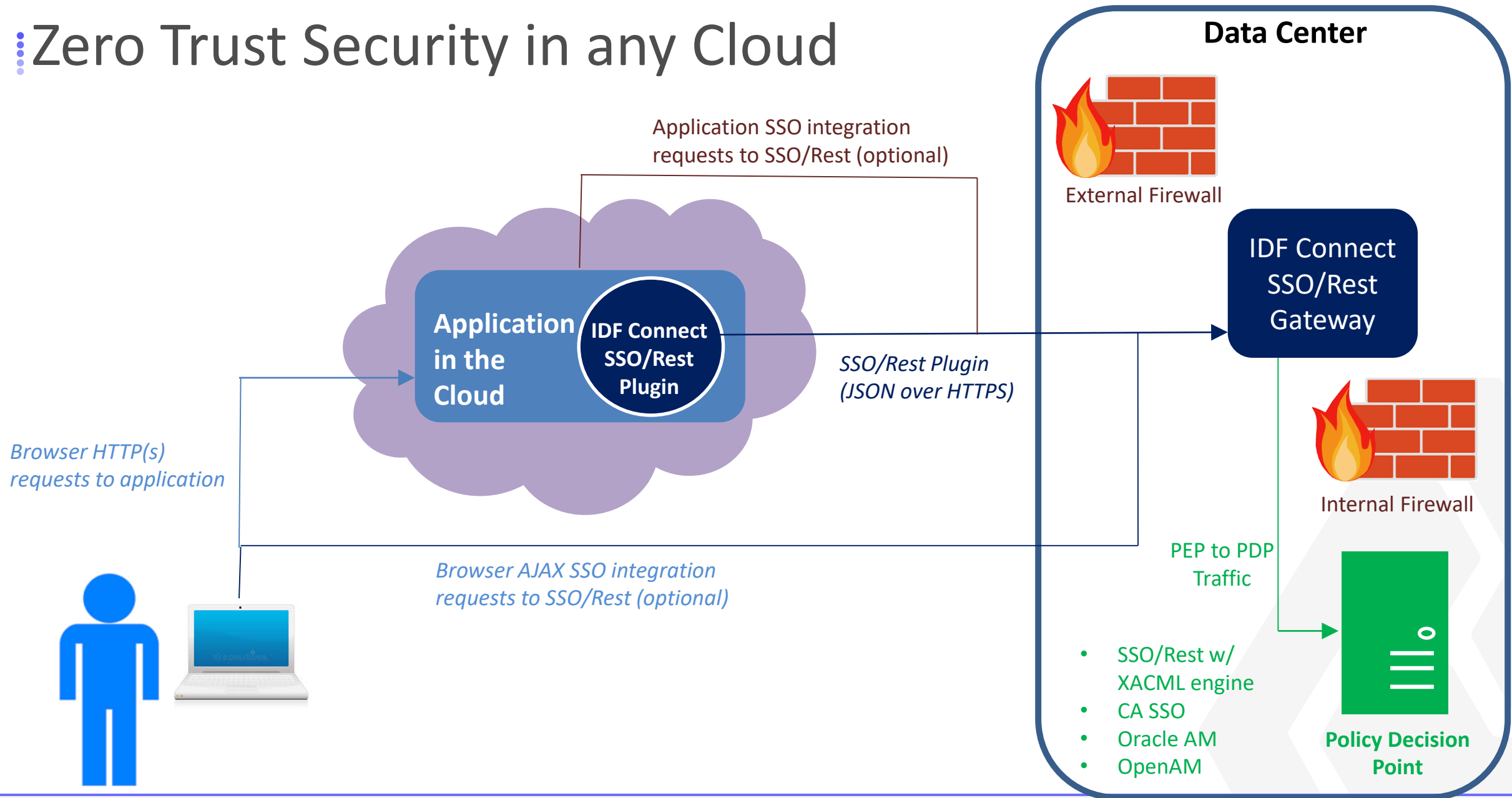# You should be interested in this technology if…

- You have an existing SSO/WAM solution and are moving applications to the Cloud
- You want or need the **assurance** that every request is VETTED and SCORED **before ever touching your application**
- You require **fine grained access controls** and centralized policy **management**
- You require a **complete audit trail** of end-user activity within a given session
- You need a web access management solution that is **modern** and leverages today's tools and capabilities (e.g. ELK, Docker, Kubernetes)
- You are interested in offering Web Access Management **as a managed service**
- You have **an API Gateway** and want a modern **Policy Decision Point** for its Auth & Auth requirements
- You are building **rich applications** (mobile, AJAX) and require web services for all manner of seamless access management integrations
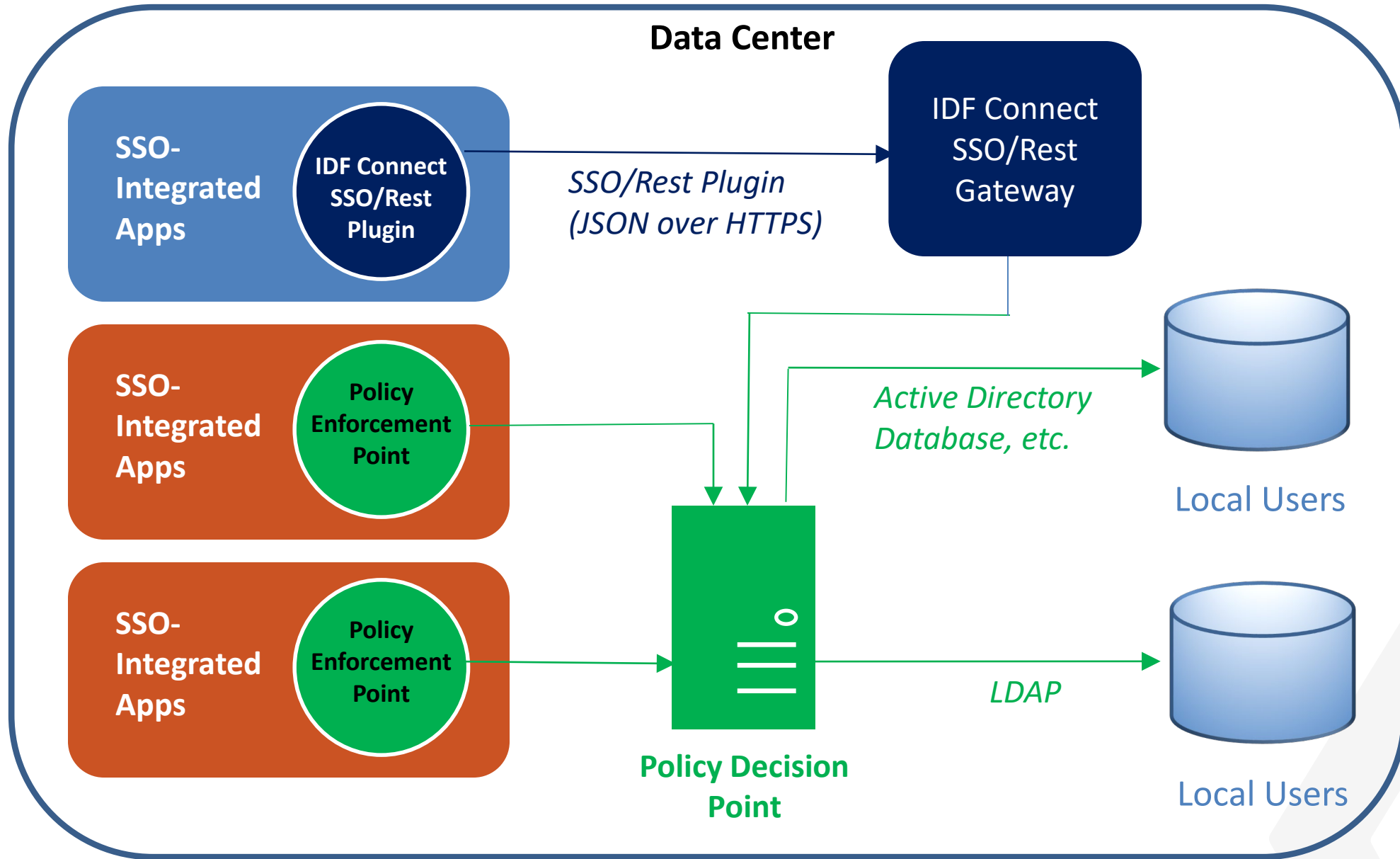
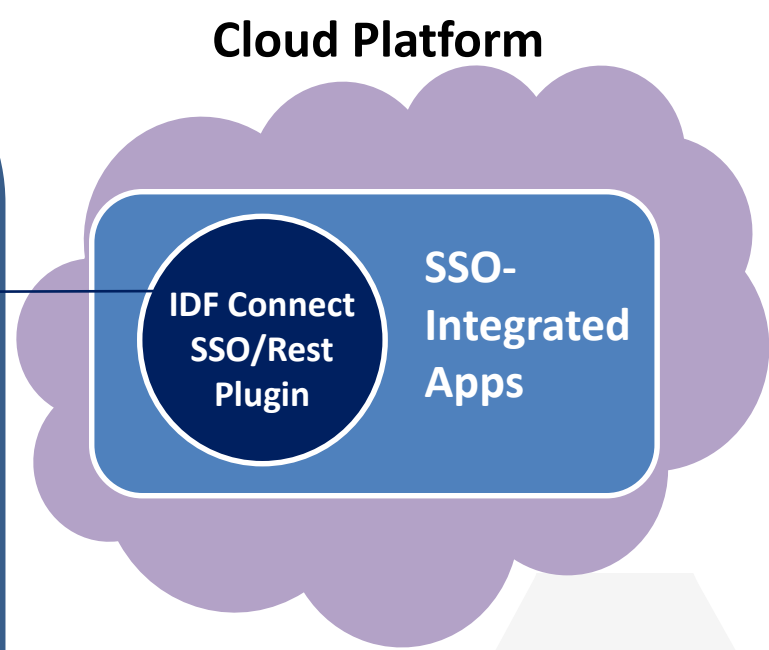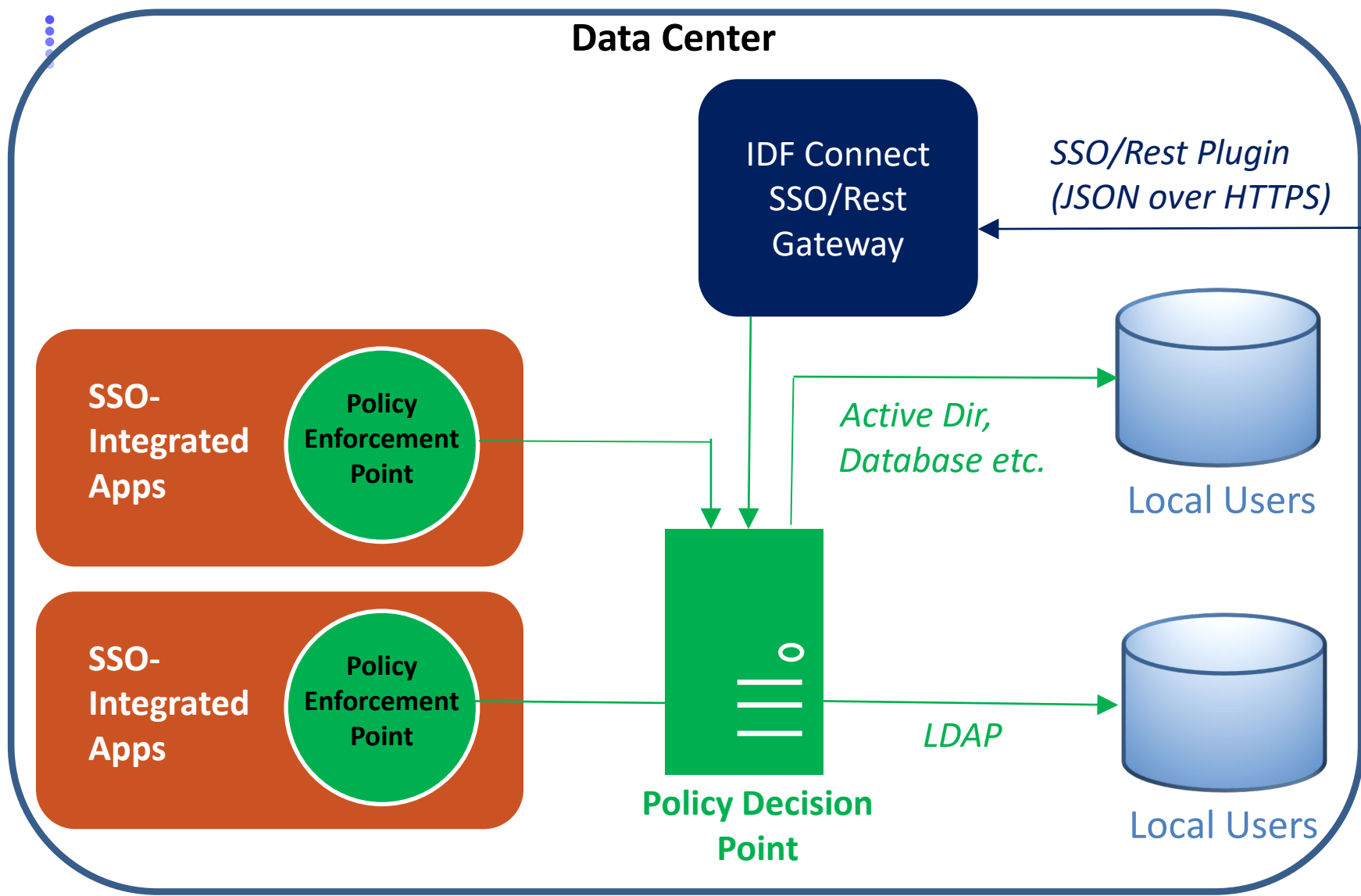**IDFCONNECT**
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Part 2
The Access Management Transformation
Moving applications from the data center to the Cloud with Zero Trust Security

Zero Trust Security in any Cloud
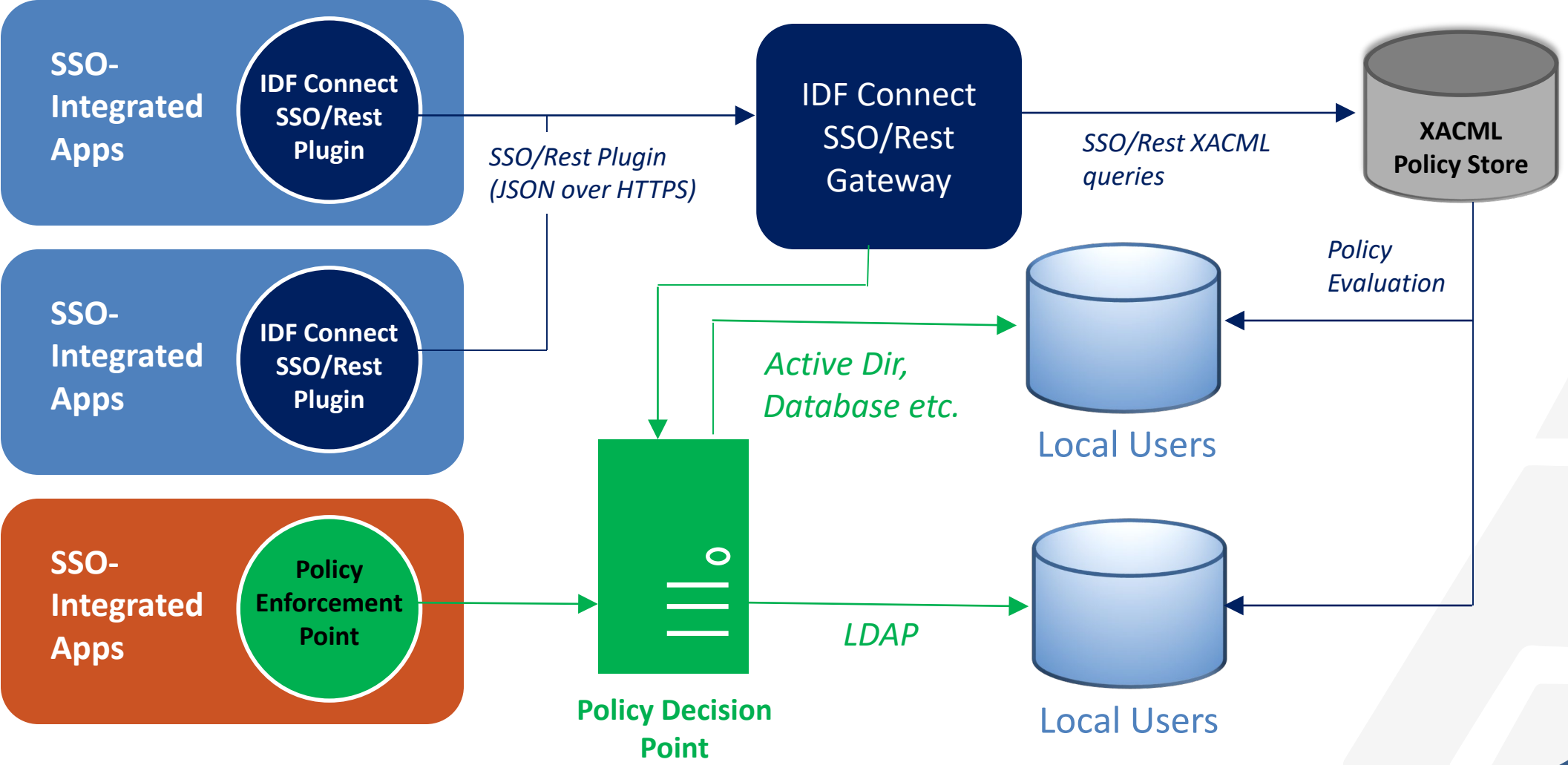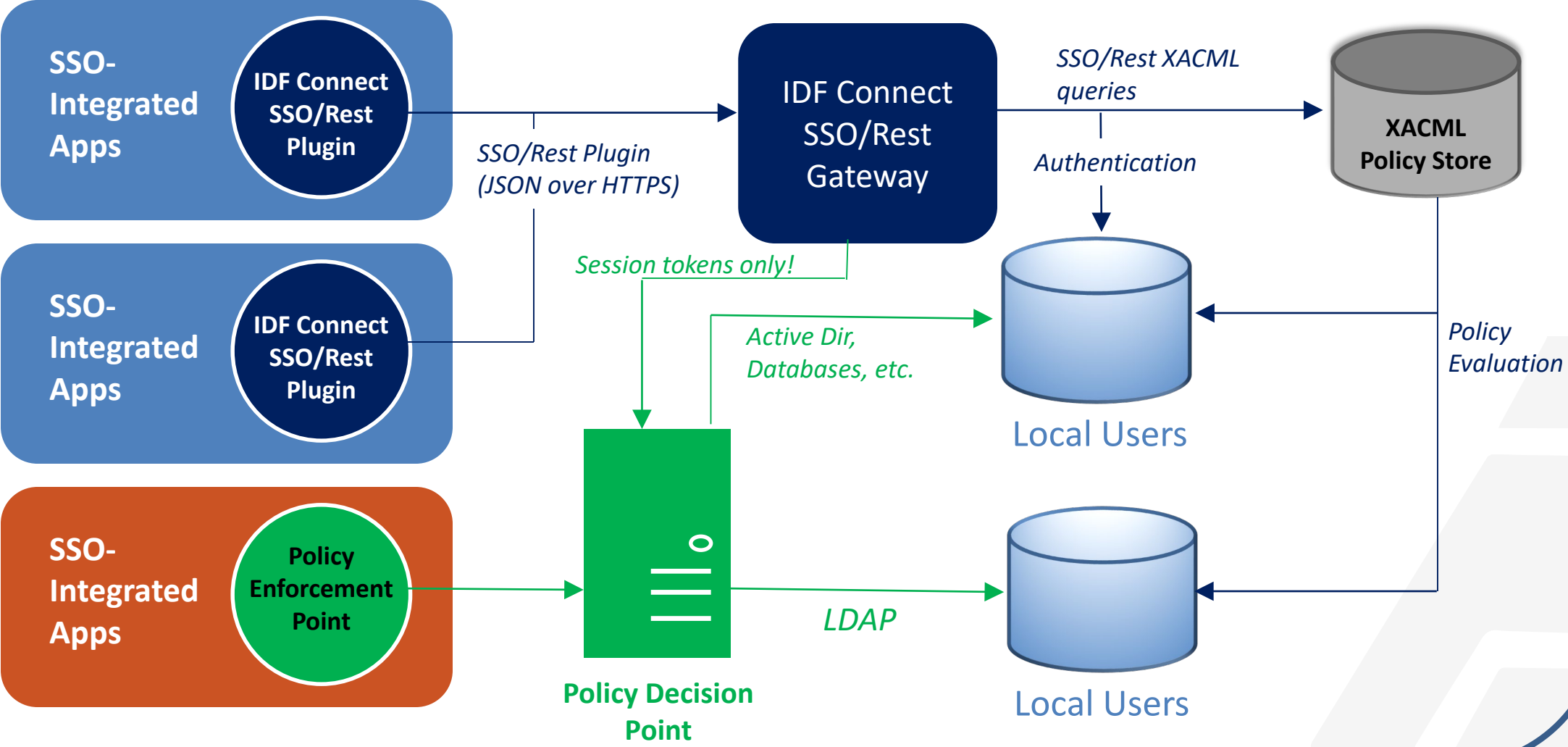

Data Center

Application SSO integration requests to SSO/Rest (optional)

External Firewall

IDF Connect SSO/Rest Gateway

Application in the Cloud

IDF Connect SSO/Rest Plugin

SSO/Rest Plugin (JSON over HTTPS)

Internal Firewall

Browser HTTP(s) requests to application

Browser AJAX SSO integration requests to SSO/Rest (optional)

PEP to PDP Traffic

- SSO/Rest w/ XACML engine
- CA SSO
- Oracle AM
- OpenAM

Policy Decision Point

Data Center

SSO-Integrated Apps — **IDF Connect SSO/Rest Plugin**

SSO-Integrated Apps — **IDF Connect SSO/Rest Plugin**

SSO-Integrated Apps — **Policy Enforcement Point**

SSO/Rest Plugin (JSON over HTTPS)

IDF Connect SSO/Rest Gateway

SSO/Rest XACML queries

XACML Policy Store

Policy Evaluation

Active Dir, Database etc.

Local Users

Policy Decision Point

LDAP

Local Users

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Data Center

SSO-Integrated Apps — IDF Connect SSO/Rest Plugin

SSO/Rest Plugin (JSON over HTTPS)

SSO-Integrated Apps — IDF Connect SSO/Rest Plugin

IDF Connect SSO/Rest Gateway

Authentication

SSO/Rest XACML queries

XACML Policy Store

Policy Evaluation

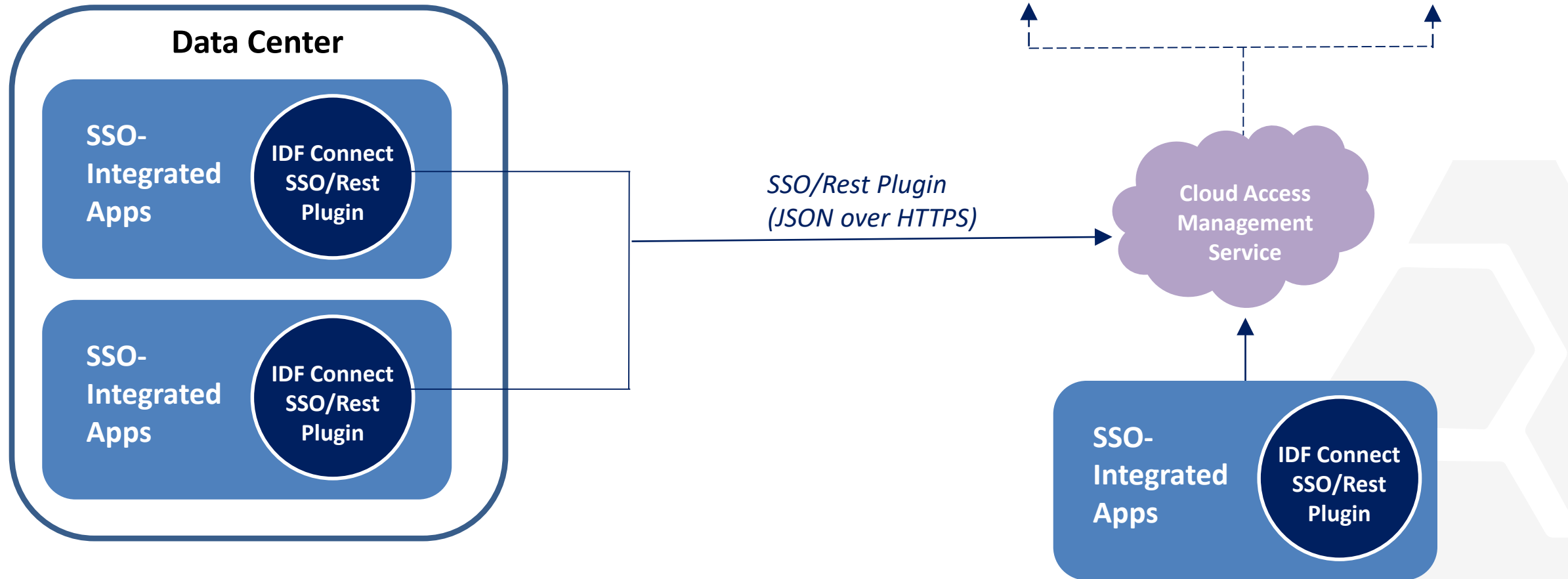**Cloud Multi-Factor Authentication**

Cloud Directory / IDaaS Provider

SSO-Integrated Apps — IDF Connect SSO/Rest Plugin

Complete enterprise-grade IAM-as-a-Service!

Platform support

Web Servers:

App Servers:
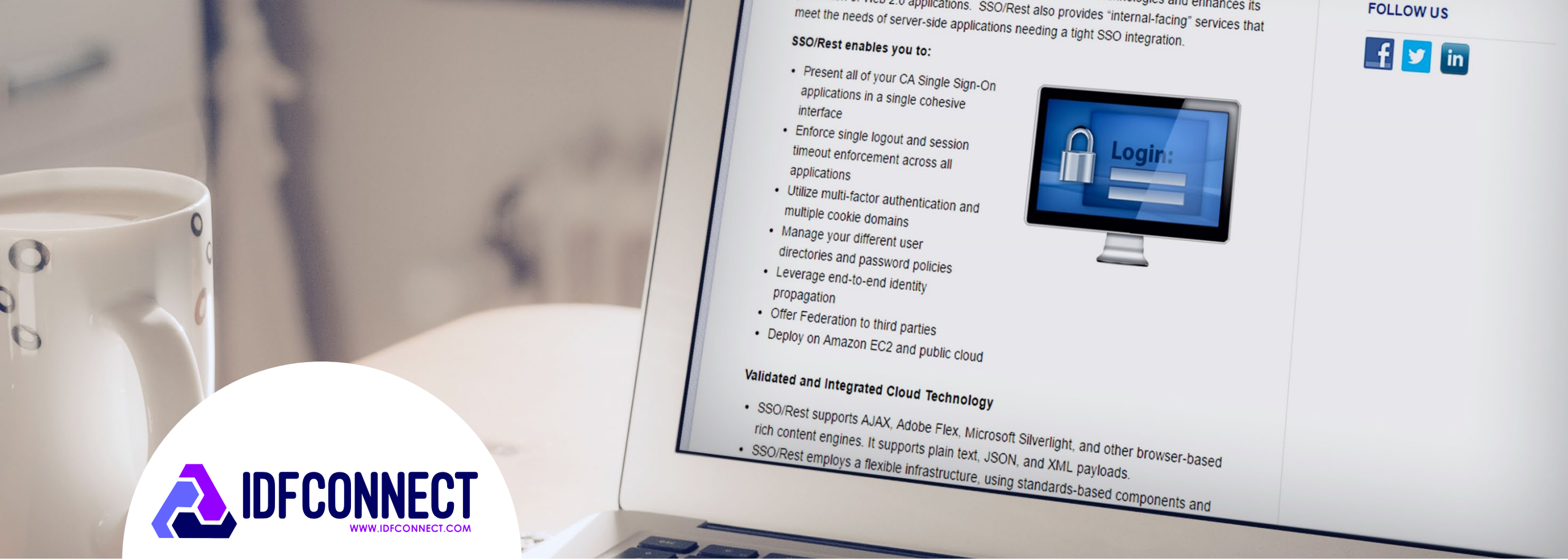

App Platforms:

Web services for all manner of integrations

Server-to-Server

...and other thick clients!

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Also check out our other products:
www.idfconnect.com/products

Turn SSO/Rest into your Enterprise 2-Factor Auth Solution with SSO/MobileKey. For more details visit
www.idfconnect.com/products/sso-mobilekey/

THANK YOU!

For More Information, Please Visit

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