

Modern PAM

Ragnhild Marie Holen

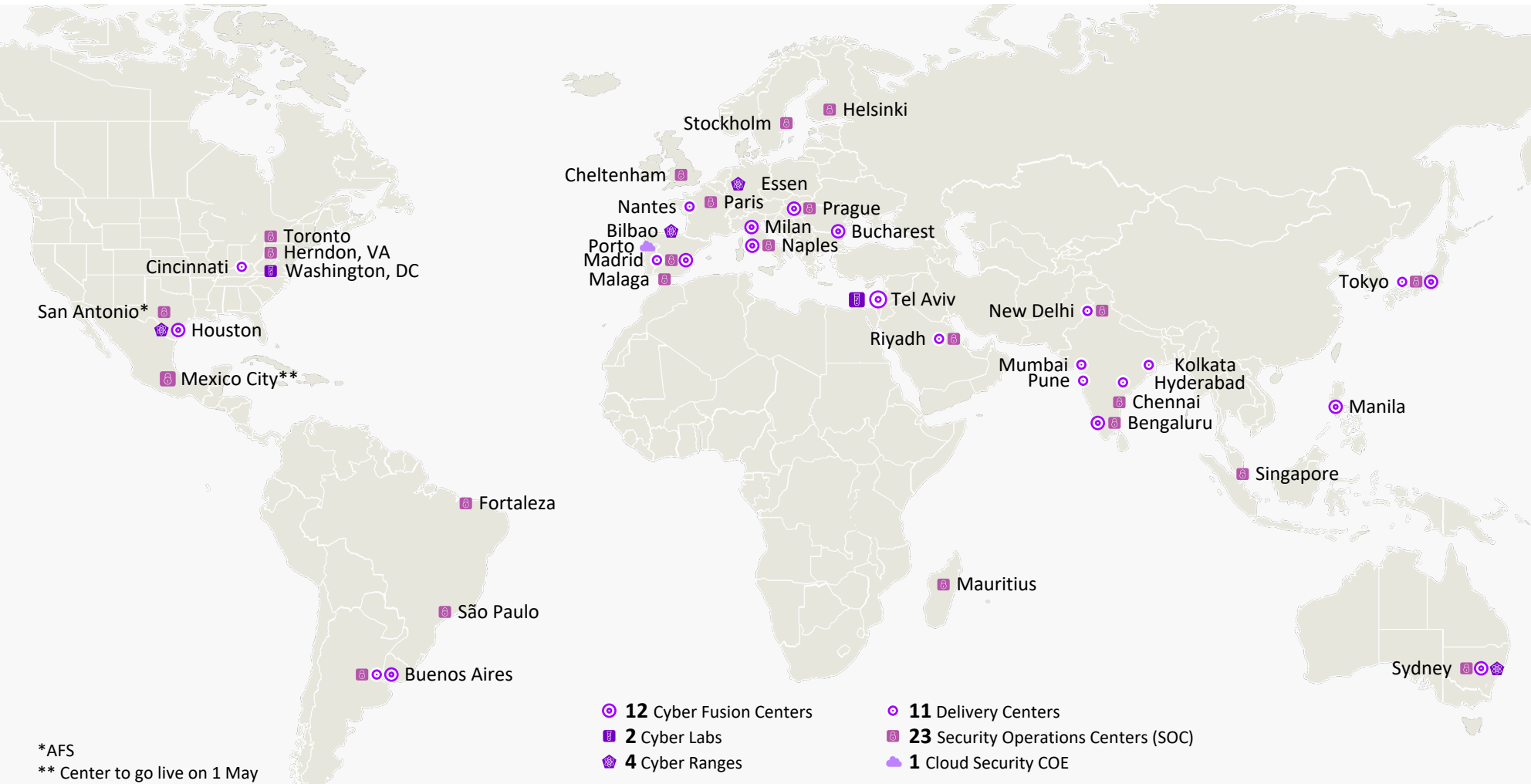
Accenture

April 2024



Global scale and local focus

One team enables a seamless experience from transform to run



*AFS
** Center to go live on 1 May

20,000+

Cybersecurity professionals

4,500+

Clients served

25

Years of service

67

Countries served



Readers guide for the PAM Capability Model



What is the first line of defense for any IT?

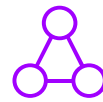
Identity Security



**Protect New Identities
– Human and Machine**



Protect New Environments



Prevent new attack methods whether on-prem or in the cloud

Trends in Securing Digital Identities:

84% of Organizations experienced an identity-related Security breach in 2023



Principles

Key design principles for modern PAM



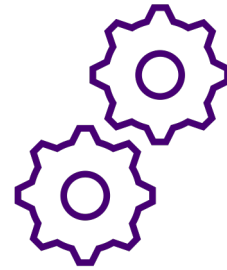
**Adaptive and user-friendly
processes and tools**



**Just-in-Time and least
privilege access**



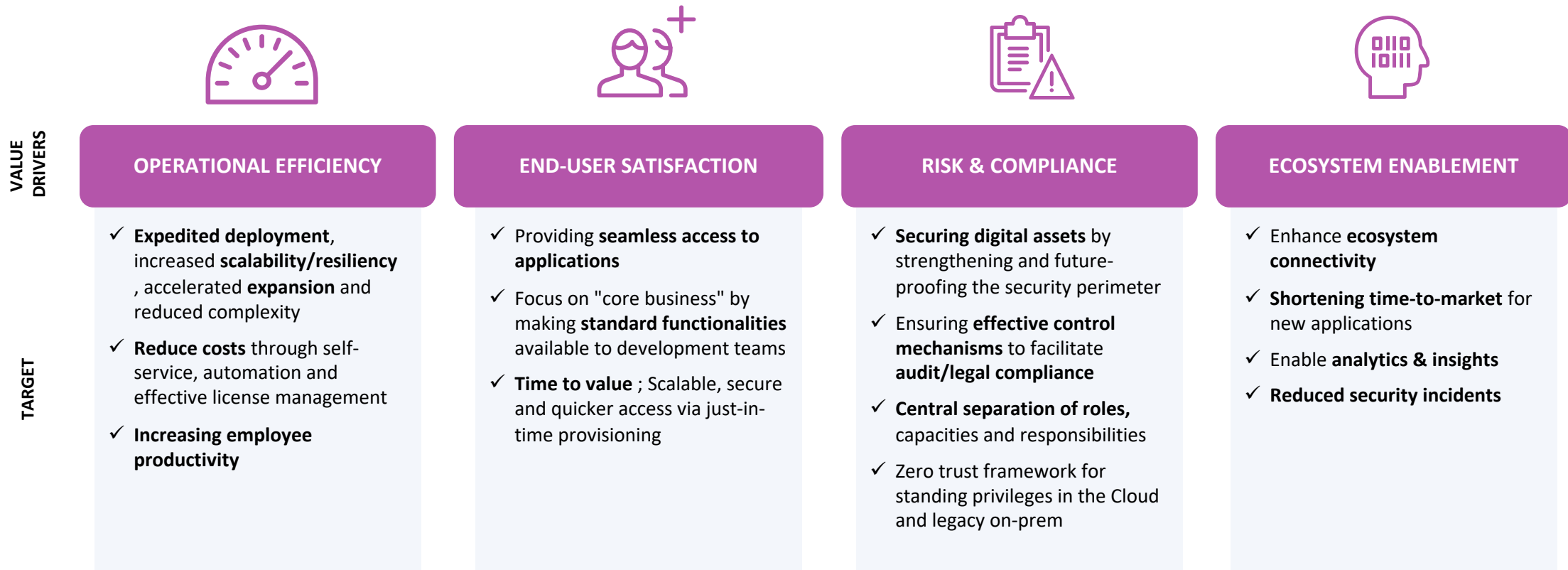
Compliance and Audit



Automation

Modern PAM value drivers

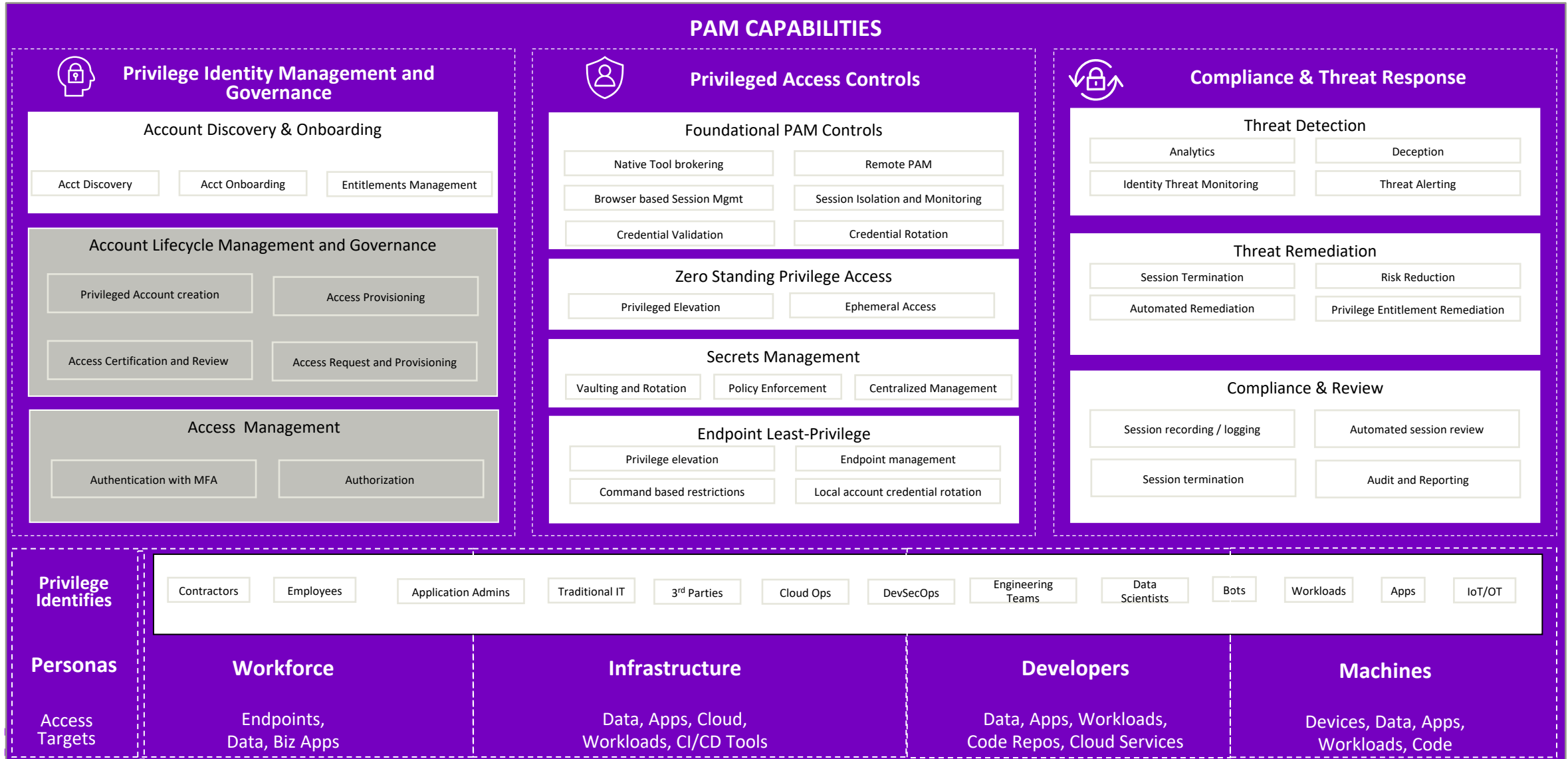
What Good Looks like



Modern PAM Capabilities

Privileged Access Management

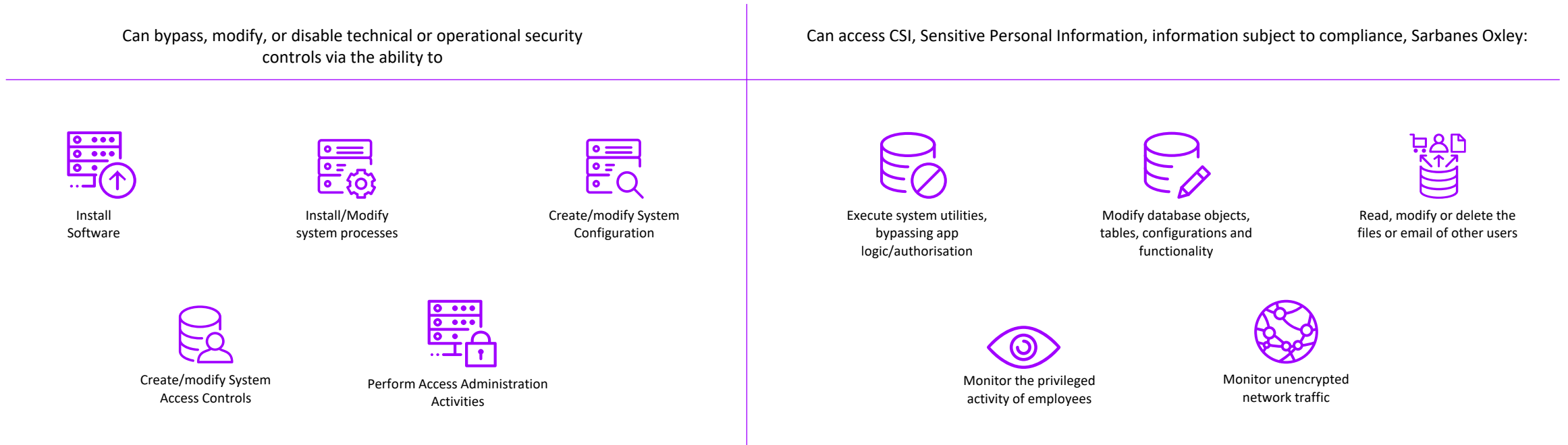
Pls note - Grey shaded capabilities are often overlapping with broader Identity and Access Management capabilities



Privilege Access Functions

What functions require privileged access?

We consider Privileged access to be any access (either on-prem or Cloud), that provides an individual with system privileges beyond the capabilities routinely granted to normal users. Typically, we consider an account privileged if an account has the capability to execute **one or more of the following**:

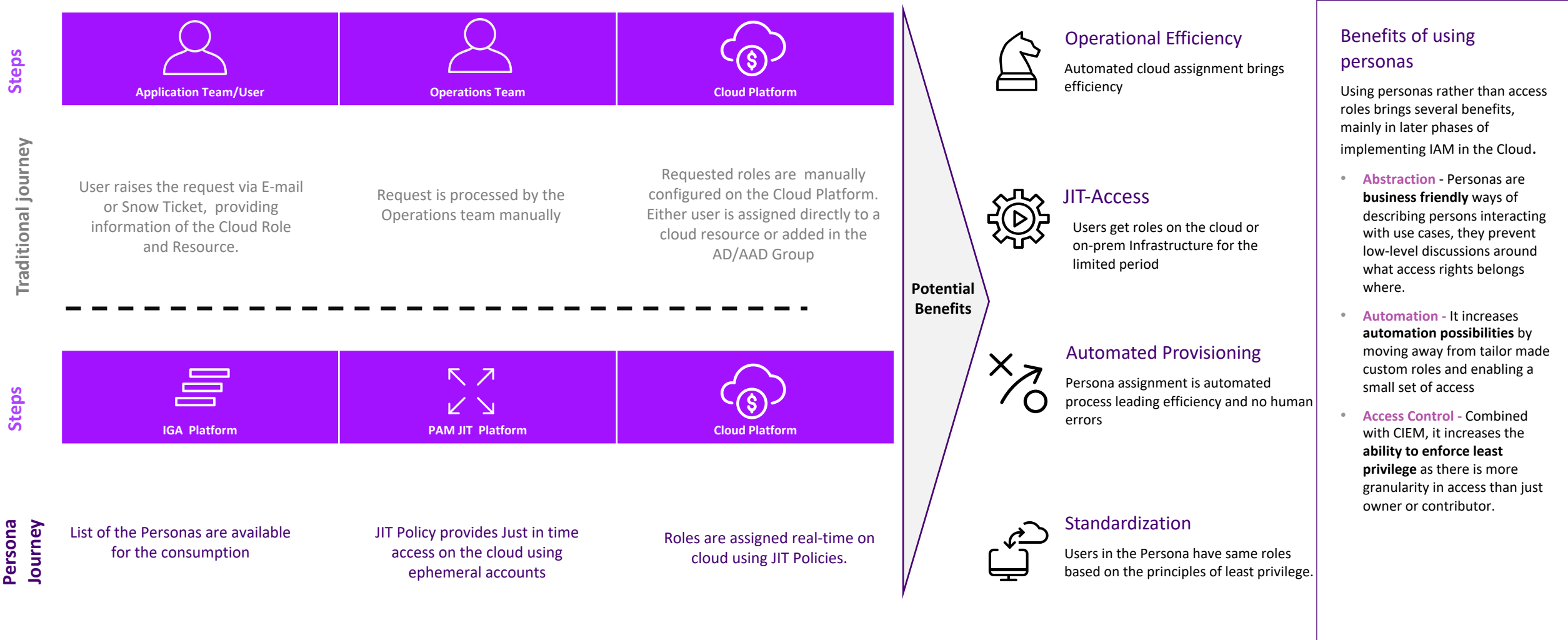


Client challenges often include identifying where these privileged access types and functions intersect with their infrastructure and applications in the modern organization. This is where Accenture can help.

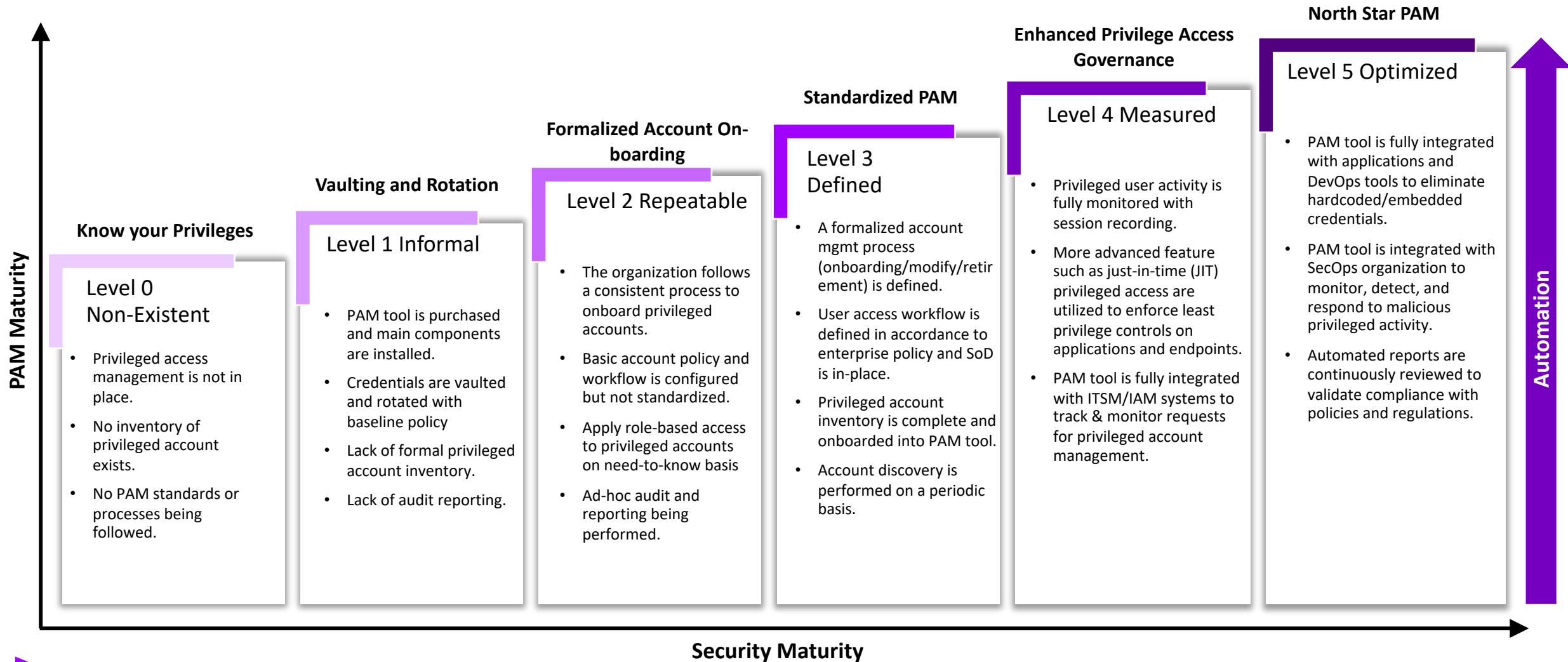


Modern PAM leverages Persona Approach

Enterprises are increasingly adopting Persona approach to drive efficiencies and standardization in Access Governance for Privilege Identities



PAM Maturity model

















Cloud Privileged Access Management



Privileged Access in Cloud – Control Methods





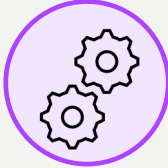



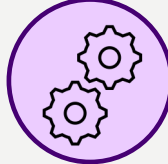




For privileged access use cases in Cloud, we have considered control methods and corresponding environments

USE CASE	METHODS	ENVIRONMENTS
PAM for the Management Layer	Secure access CSP service IN the cloud with Native, Zero Standing Privilege access	  
PAM for the Platform Layers	Secure access for workloads ON cloud infrastructure (IaaS) with Dynamic, Just-In-Time access	 Linux   kubernetes   PostgreSQL 
PAM for the Application Layers	Vaulted Secure access to applications	    



Privileged Access in Cloud – Environments

























For each use cases and related environments, we have mapped corresponding personas and related privilege functions

USE CASE	ENVIRONMENTS	EXAMPLE PERSONAS			
PAM for the Management Layer					
PAM for the Platform Layers					
PAM for the Application Layers					



Privileged Access in Cloud – Solution Components

To secure privilege access in Cloud, we recommend corresponding capabilities controls mapped to environments and personas

USE CASE	ENVIRONMENTS	EXAMPLE PERSONAS	PAM CAPABILITIES CONTROL
PAM for the Management Layer	  	 Developer  Cloud Foundation Admin  Security / Audit Manager  Machine Identities	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Ephemeral Access</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Privileged Elevation</div> <div style="border: 1px solid black; padding: 5px;">Entitlements Management</div>
PAM for the Platform Layers	 Linux  Windows Server  PostgreSQL  kubernetes  redis  docker	 Platform Admin  Operations Manager  Machine Identities	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Centralized Management</div> <div style="border: 1px solid black; padding: 5px;">Privileged Elevation</div>
PAM for the Application Layers	 SAP  Microsoft SQL Server  servicenow  ORACLE  JBoss by Red Hat	 SRE Team  Operations Manager  Machine Identities	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Credential Validation</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Credential Rotation</div> <div style="border: 1px solid black; padding: 5px;">Browser based Session Mgmt</div>

