Capgemini

IDENTITY-AS-A-SERVICE

PRIVILEGED ACCESS MANAGEMENT

IDaaS- PAM

With the increasing vulnerabilities of cybersecurity, **over 90% of cybersecurity breaches** involving stolen Privileged credentials with **elevated access rights are exploited** in nearly every cyber-attack today. **Cyber-attackers abuse** these accounts to disable security systems, to take control of critical IT infrastructure and applications, and gain access to confidential business data and personal information. As a result, it is very imperative for Security teams to **monitor and detect unusual access, block attackers from gaining access to your privileged**

credentials and provide a secure environment that meets the regulatory requirements, and also **helps** organisations to **control privileged accounts across the extended enterprise.**

Privileged Access Management (PAM) is an important element of any **organisation's Identity and Access Management (IAM) strategy.** To meet the latest demands for IAM in a flexible and cost effective manner, organisations are increasingly turning towards **Identity-as-a-Service (IDaaS) as a dominant delivery model.**

However, most IDaaS solutions in the market today offer more constrained functionality and less control / customization opportunities than the traditional on-premises software solutions.

Privileged credentials provide elevated, non-restrictive access to systems and services. **PAM** considered as your **crown Jewels** becomes the **secure and central portal for access to systems** and **services.** PAM provides the only way to gain access to privileged credentials.

> Capgemini's PAM complies with **ISO 27001 – Access Control Policy and Management of Privileged Access Rights and ISAE 3402, GDPR, NIS Directive, NIST SP, PCI-DSS, and HIPAA**

IDaaS-PAM Challenges

The three main business challenges driving the need for PAM are **Security & Risk, Audit & Compliance and Efficiency & Accountability.**

Security & Risk

- To secure your privileged access to Business critical data and IT assets including Cloud platforms, CI/CD pipelines and more
- To protect your IT landscape from external attackers and insider threats by gaining control over your privileged accounts
- To implement an effective monitoring of activities performed with human and non-human privileged accounts to regulate and manage Cyber Risk Landscape

Audit & Compliance

- To define effective security policies to gain control over privileged access
- To reduce high investment needed for enforcing security policies and ensuring accountability in relation to privileged access
- To comply with growing number of standards and regulatory requirements, e.g. ISO, ISAE 3402, GDPR, NIS Directive, NIST SP, PCI-DSS, HIPAA and many more

Efficiency & Accountability

- To implement Segregation of Duties (SoD) and Least Privilege principles in relation to human and non-human privileged access
- To comprehensively discover and manage all privileged accounts to enforce accountability
- To remove significant manual effort for managing human and non-human privileged accounts to achieve operational efficiency
- To implement the right privileged access tooling and operating model without the risk of lengthy timelines and budget overruns
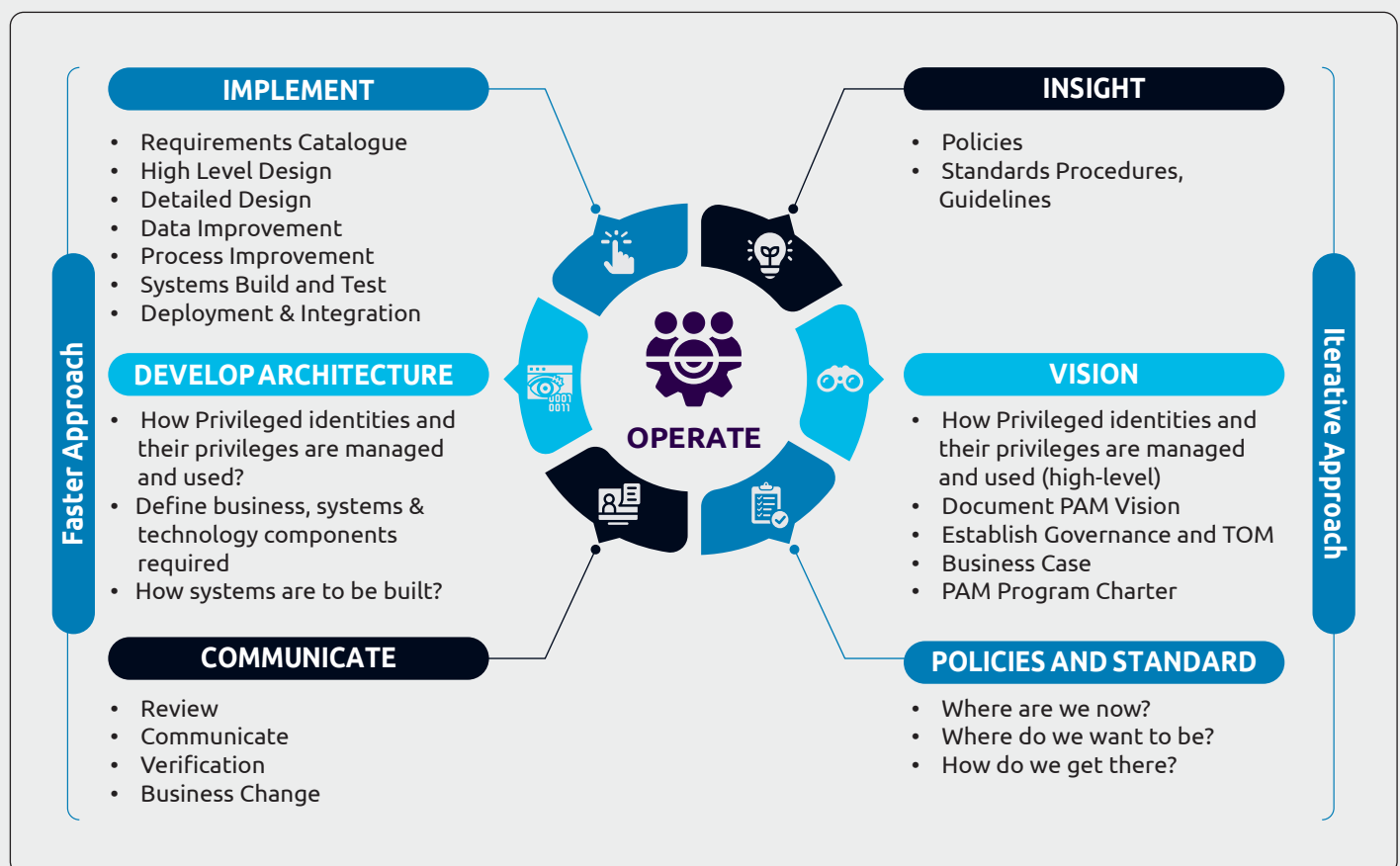
Agile and Iterative Delivery Approach

Capgemini's IDaaS - PAM operates on a focussed, **Agile** and **Iterative** Approach. We provide hosted best-of-breed solutions across **PAM, IGA** and **Access Management,** integrated within our broader Managed Security Services Platform, available on a modular basis to meet the client requirements. Capgemini's IDaaS/PAM is based on the **market-leading CyberArk core PAS suite** provided as a Cloud-based-service, **hosted and managed by Capgemini Cloud Infrastructure Services on Amazon Web Services (AWS) Platform.**

In addition to providing high levels of functionality and flexibility, Capgemini IDaaS-PAM also provides:
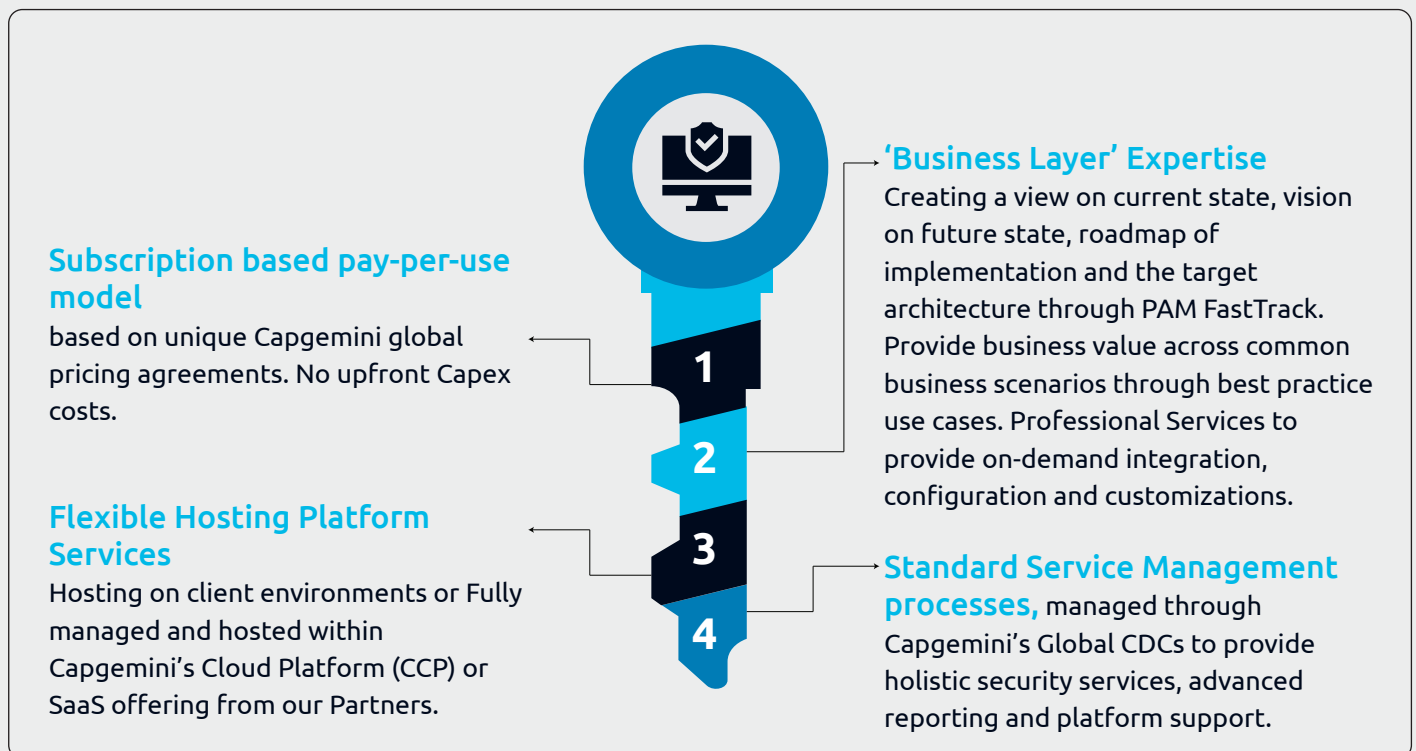
Simplified operations – providing **24x7 managed service operations** through our **Global Delivery Centres.**
- **Fast delivery with reduced cost** – standard platform build & factory model integrations with **reduced operations costs**
- **Reduced risk** – reduced risk around service build and service operations. Reduced PAM risk through effective service
- **Improved user experience** - Pre-configured business use cases reducing time to business value delivery

IMPLEMENT
- Requirements Catalogue
- High Level Design
- Detailed Design
- Data Improvement
- Process Improvement
- Systems Build and Test
- Deployment & Integration

INSIGHT
- Policies
- Standards Procedures, Guidelines

DEVELOP ARCHITECTURE
- How Privileged identities and their privileges are managed and used?
- Define business, systems & technology components required
- How systems are to be built?

OPERATE

VISION
- How Privileged identities and their privileges are managed and used (high-level)
- Document PAM Vision
- Establish Governance and TOM
- Business Case
- PAM Program Charter

COMMUNICATE
- Review
- Communicate
- Verification
- Business Change

POLICIES AND STANDARD
- Where are we now?
- Where do we want to be?
- How do we get there?

Faster Approach

Iterative Approach

IDaaS-PAM Offer

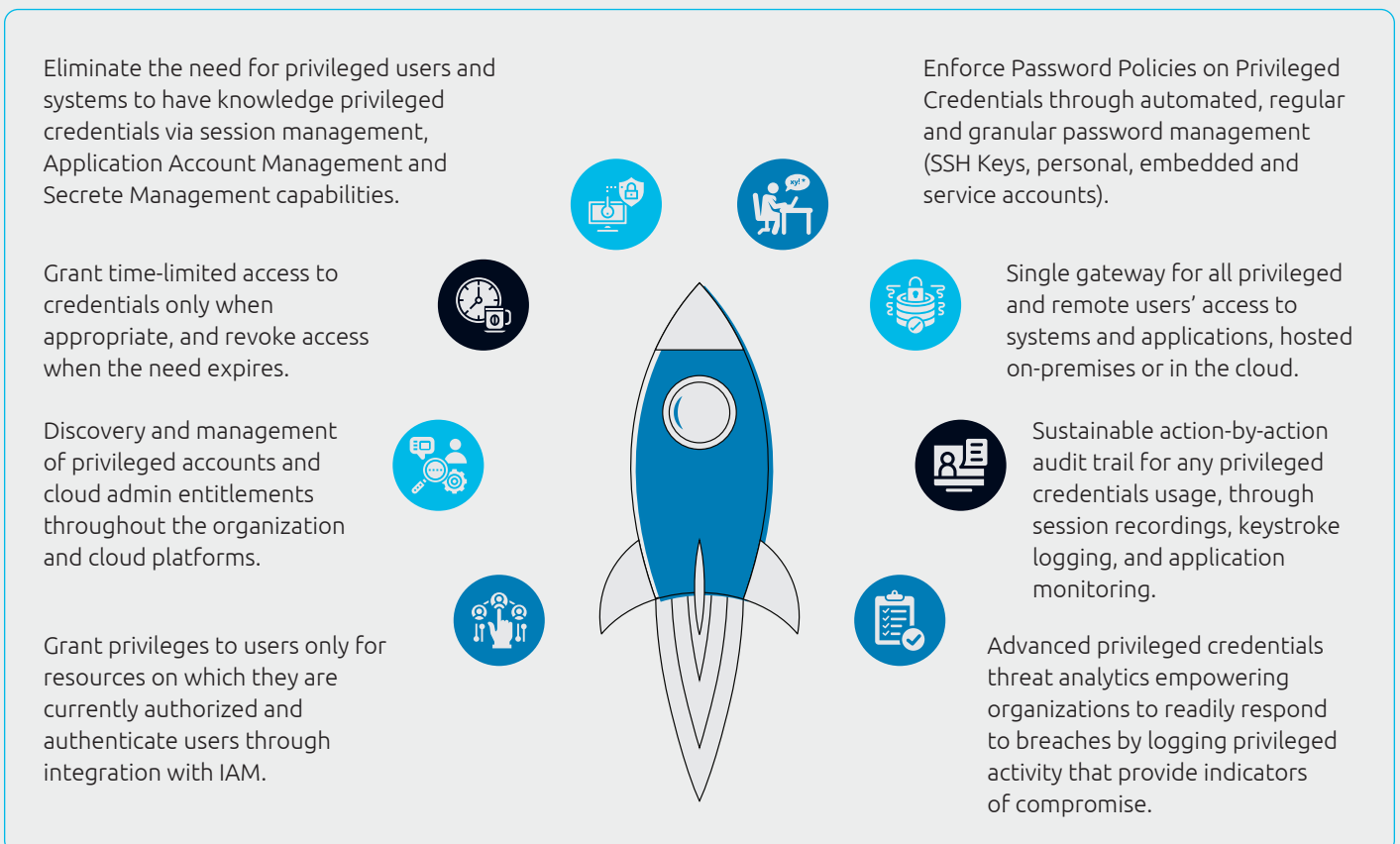Capgemini's IDaaS-PAM is an optimized pre-packaged PAM Hosted Services offering for rapid and cost-effective delivery.

Subscription based pay-per-use model
based on unique Capgemini global pricing agreements. No upfront Capex costs.

Flexible Hosting Platform Services
Hosting on client environments or Fully managed and hosted within Capgemini's Cloud Platform (CCP) or SaaS offering from our Partners.

'Business Layer' Expertise
Creating a view on current state, vision on future state, roadmap of implementation and the target architecture through PAM FastTrack. Provide business value across common business scenarios through best practice use cases. Professional Services to provide on-demand integration, configuration and customizations.

Standard Service Management processes, managed through Capgemini's Global CDCs to provide holistic security services, advanced reporting and platform support.

Capgemini PAM Service Layers

Consulting Layer	PAM **FastTrack** Insight, Modelling, Visioning, Product Selection, Architecture, PoC
Business Enablement Layer	Installation, Integration, customization, account onboarding and implementation of PAM Processes and Policies
Application Layer	Automated and modular approach utilizing the CyberArk PAM product suite CYBERARK
Hosting Layer	Deployment, Monitoring, Security, Service Management, Analytics, Logging, Reporting **ON PREMISES** ———— **HYBRID** ———— **CLOUD**

IDaaS-PAM Capabilities

The goal is to keep organizations safe from accidental or deliberate misuse of privileged credentials and prevent lateral movement.

Eliminate the need for privileged users and systems to have knowledge privileged credentials via session management, Application Account Management and Secrete Management capabilities.

Grant time-limited access to credentials only when appropriate, and revoke access when the need expires.

Discovery and management of privileged accounts and cloud admin entitlements throughout the organization and cloud platforms.

Grant privileges to users only for resources on which they are currently authorized and authenticate users through integration with IAM.

Enforce Password Policies on Privileged Credentials through automated, regular and granular password management (SSH Keys, personal, embedded and service accounts).

Single gateway for all privileged and remote users' access to systems and applications, hosted on-premises or in the cloud.

Sustainable action-by-action audit trail for any privileged credentials usage, through session recordings, keystroke logging, and application monitoring.

Advanced privileged credentials threat analytics empowering organizations to readily respond to breaches by logging privileged activity that provide indicators of compromise.

Reducing the risk of threat actor's ability to gain privileged access and navigate undetected

IDaaS-PAM Benefits

IDaaS - PAM enables Digital Transformation and is at the core of everything we do in Capgemini. Our benefits are focussed in addressing the three factors.

Risk Compliance

Highest levels of PAM functionality, including features such as **Privileged Threat Analytics, Session Management** and **Recording** and **capabilities for split passwords** where full control is not possible or desirable.

Single gateway for all privileged users' access to systems and applications, **hosted on-premises** or in the **cloud**, accommodating any set of heterogeneous resources that require privileged access.

Fully featured PAM capabilities based on market leading PAM product CyberArk, Integrated with Capgemini's Managed Security Services for **improved security monitoring and response.**

Cost
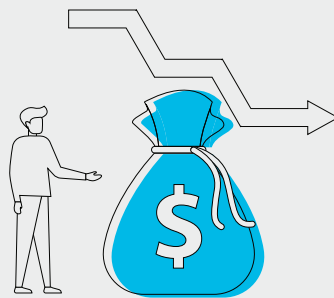
Modular, subscription-based pay-per-use model based on unique Capgemini global pricing agreements. No upfront Capex costs.

Fully managed and hosted Service within Capgemini Cloud Platform (CCP) and AWS for highly flexible and scalable managed infrastructure.

Enabling Faster Deployment with services hosted on Capgemini Cloud Platform (CCP).

Business Enablement

Pre-configured and fully integrated core solution stacks for PAM.

Fully integrated IAM platform services across Identity Governance and Administration (IGA), Privileged Access Management (PAM) and Access Management (AM) modules, integrated with our other Cybersecurity and Cloud enablement services, extendable within a broader Identity ecosystem.

Going well beyond a SaaS platform service, but also including the vital integration and business enablement professional services required to achieve business value.

About Capgemini

Capgemini is a global leader in partnering with companies to transform and manage their business by harnessing the power of technology. The Group is guided everyday by its purpose of unleashing human energy through technology for an inclusive and sustainable future. It is a responsible and diverse organization of 290,000 team members in nearly 50 countries. With its strong 50 year heritage and deep industry expertise, Capgemini is trusted by its clients to address the entire breadth of their business needs, from strategy and design to operations, fueled by the fast evolving and innovative world of cloud, data, AI, connectivity, software, digital engineering and platforms. The Group reported in 2020 global revenues of €16 billion.

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