PIREAN

BEYOND AUTHENTICATION…

IDENTITY AND ACCESS MANAGEMENT FOR THE MODERN ENTERPRISE

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infosecurity® EUROPE

Premier Business Partner IBM™
Ready for Security Intelligence

IBM Business Partner Award 2013 Beacon Winner

OUR ORGANISATION AND SPECIALIST SKILLS

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Focused on delivery, integration and managed services around Identity and Access Management.

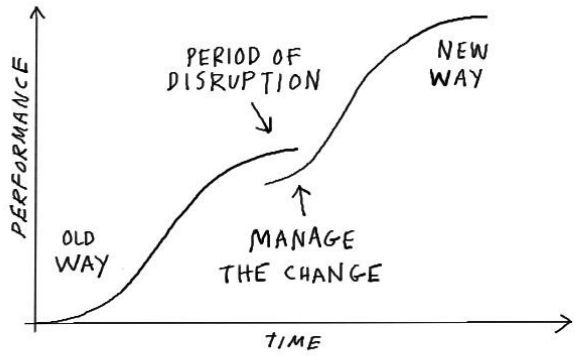
- Specialist Consultancy (Principal Consultant, Senior, Consultant and Juniors);
- Project and Programme Management;
- Analysis (Business and Technical Analysts);
- Software Development;
- Test Services; and
- Creative (including interface design and internal marketing).

PIREAN SOFTWARE

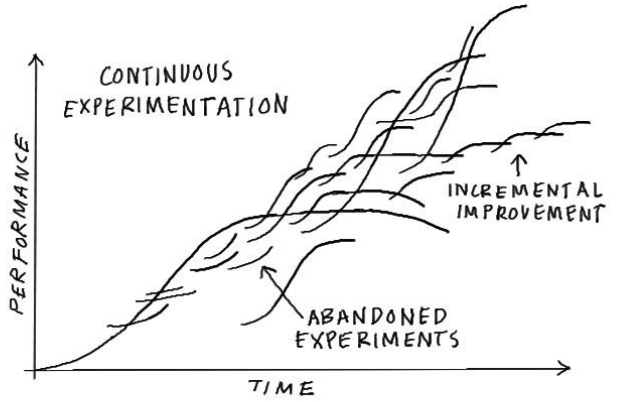
A dedicated Software Development organisation, our portfolio helps our clients to achieve their business goals by providing capabilities across:

- Centralised Audit;
- Federated Identity Management;
- Identity and User Lifecycle Management;
- Identity and Access Governance, included Segregation of Duties Management;
- Mobile Access and Device Management;
- Strong Authentication, Web Access Management and Single Sign-On.

WHY DO WE NEED TO MOVE 'BEYOND AUTHENTICATION'?



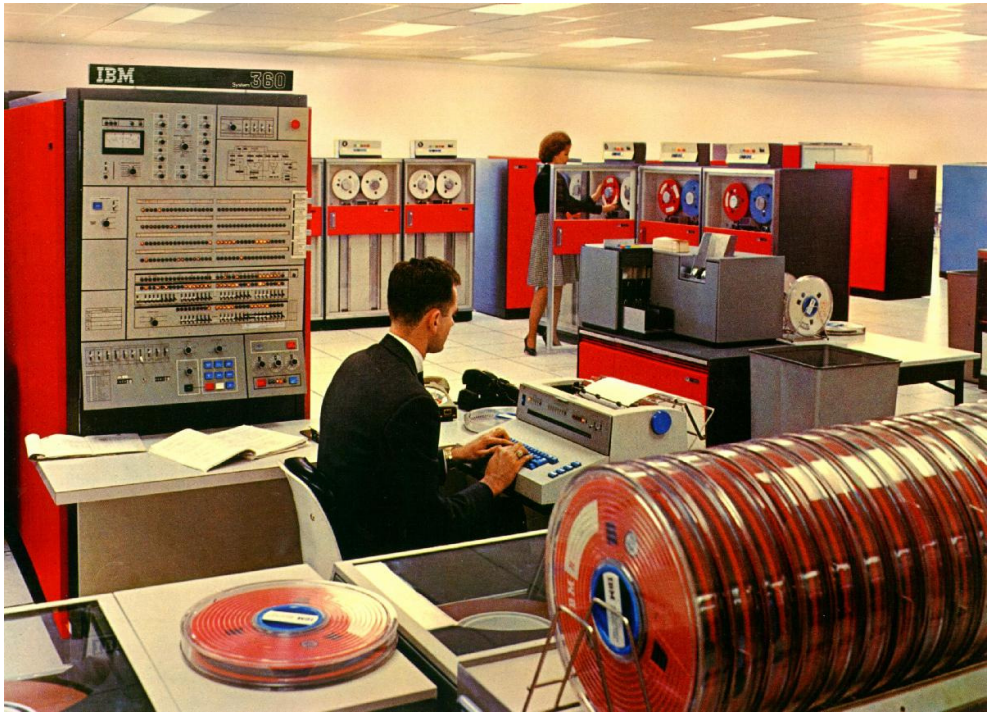
CHANGE MANAGEMENT



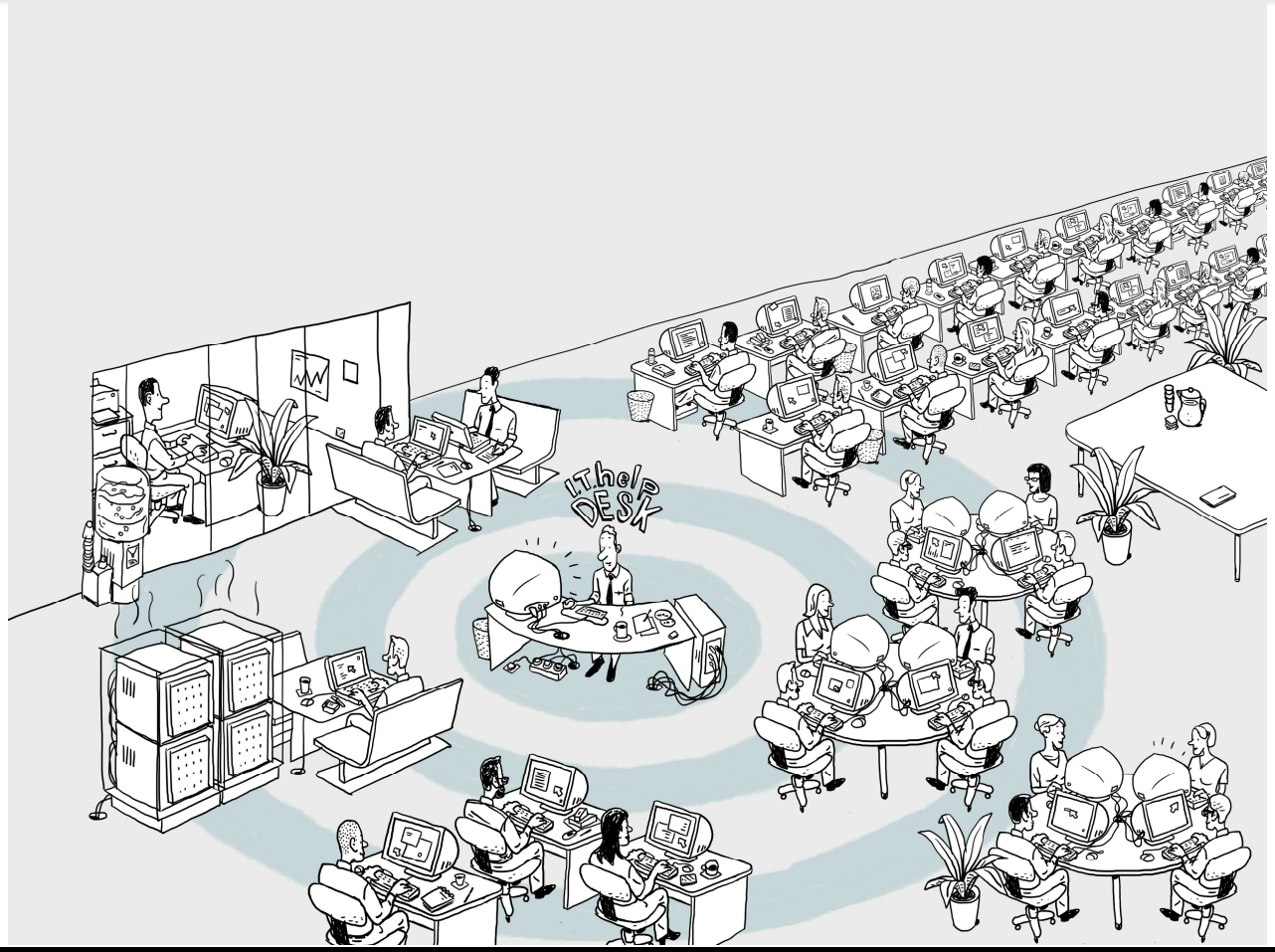
PORTFOLIO MANAGEMENT

THE TRADITIONAL IT MODEL

- Users
  - Internal, External, Hybrid (i.e. VPN)
- Devices
  - PCs (desktop/laptop) and email clients
- Risks
  - Internal staff, External users, Malware
- Entitlements
  - Static and setup in advance
  - Internal users access internal apps
  - External user access external apps
- Identities
  - HR driven enrolment with fixed entitlements
  - Self or pre-registered external users with simple entitlement model



UNDERSTANDING THE IAM EVOLUTION



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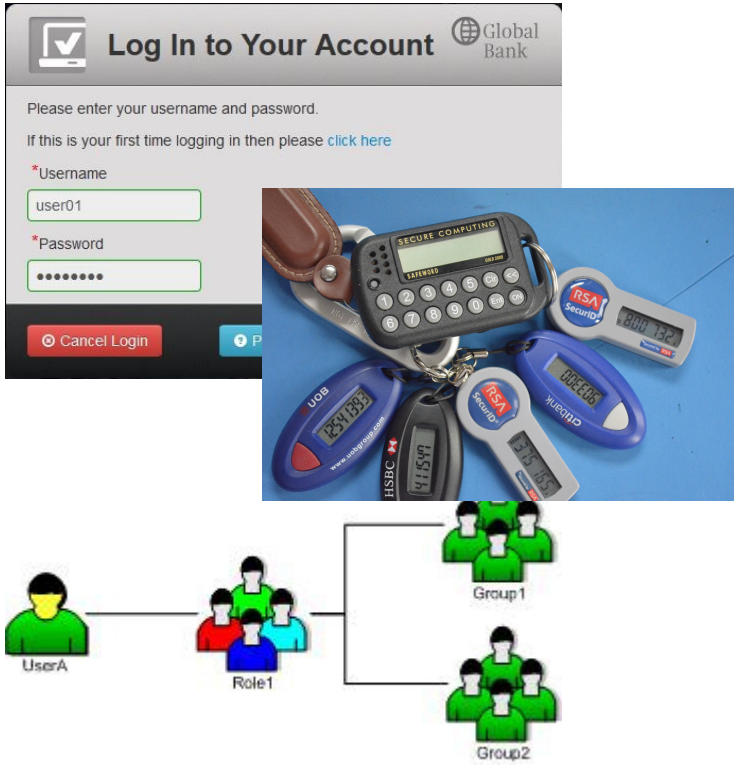
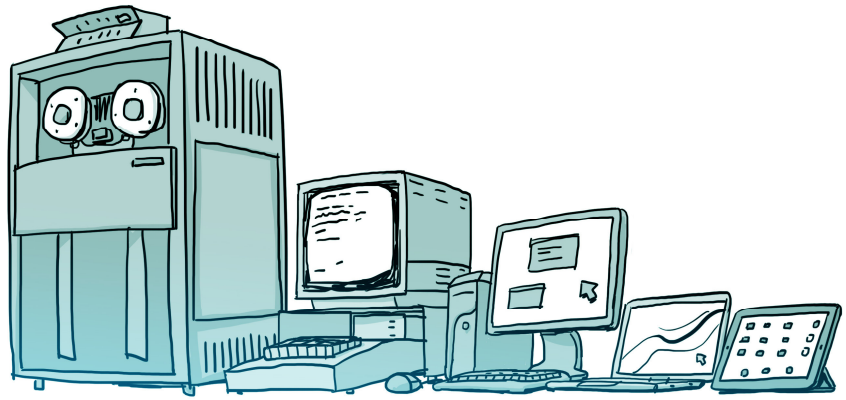
FOUNDATIONS OF IDENTITY AND ACCESS MANAGEMENT



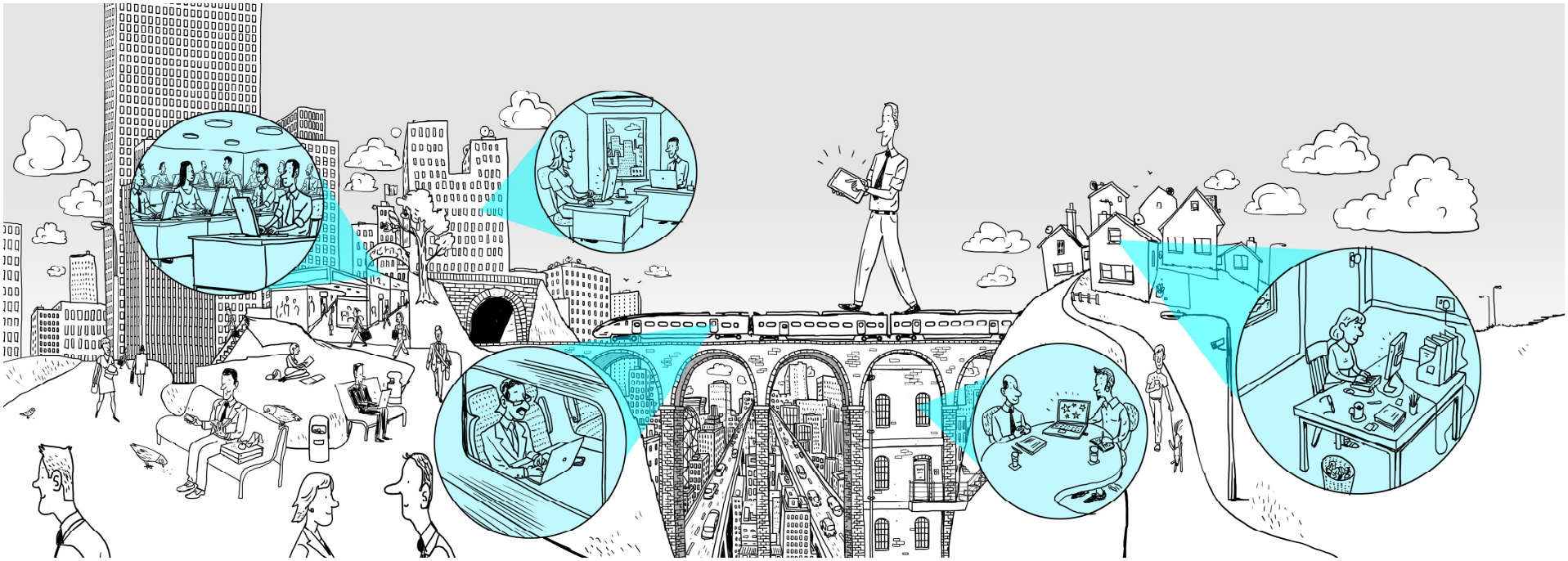
- Web Access Management
  - Centralised proxy or a collection of deployed agents
- SSO
  - Cookies, HTML form completion, headers, Kerberos
- Controls
  - Passwords, hardware tokens, SMS OTP
- Compliance
  - Analysis, review and approval of an enormous amount of entitlement, breach and dispensation data
- Data Privacy
  - Enforcement of secure data communications
  - Restricted use of privileged user/system accounts
  - Deployment of client and server OS security policy

ADAPTING TO THE 'LATEST' CHANGE

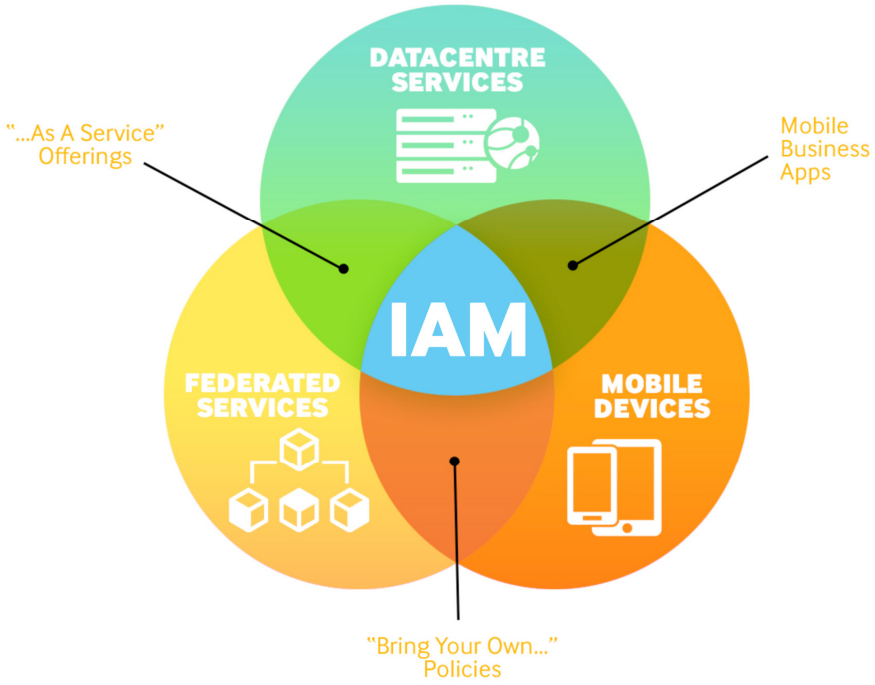
- Applications are changing
  - Applications are no longer always internal hosted
  - '..as a Service' applications are now available
- Devices are changing
  - The PC has evolved
  - Devices no longer all internally owned
- Users have changed
  - Access anytime, from anywhere on anything
  - High UX expectations
- Business expectations have changed
  - IAM is now a business differentiator
  - IAM is required to adapt rapidly
- Risk has become more varied
  - Context and device are now contributory factors



THE NEW IT LANDSCAPE



NEW IAM REQUIREMENTS



- IAM that spans Federated, Datacentre and mobile services
- Support for incremental change

- Evolving beyond the password
- Role and/or attribute based policies

- Support for 'B.Y.O.D.'
- Support for 'Bring Your Own Identity'

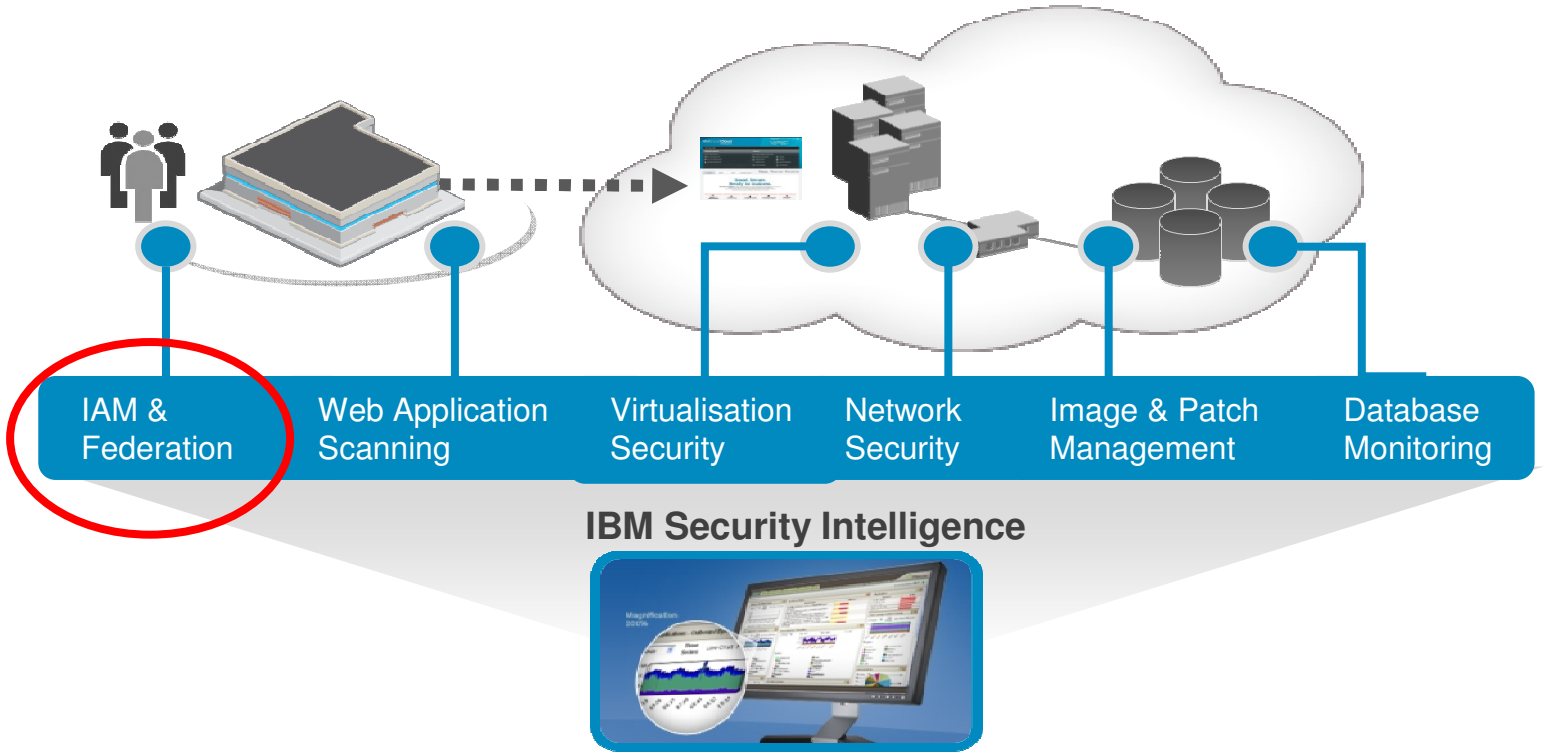
- 'Risk-appropriate' entitlements
- Unification of user experience

HOW DO WE ADAPT?

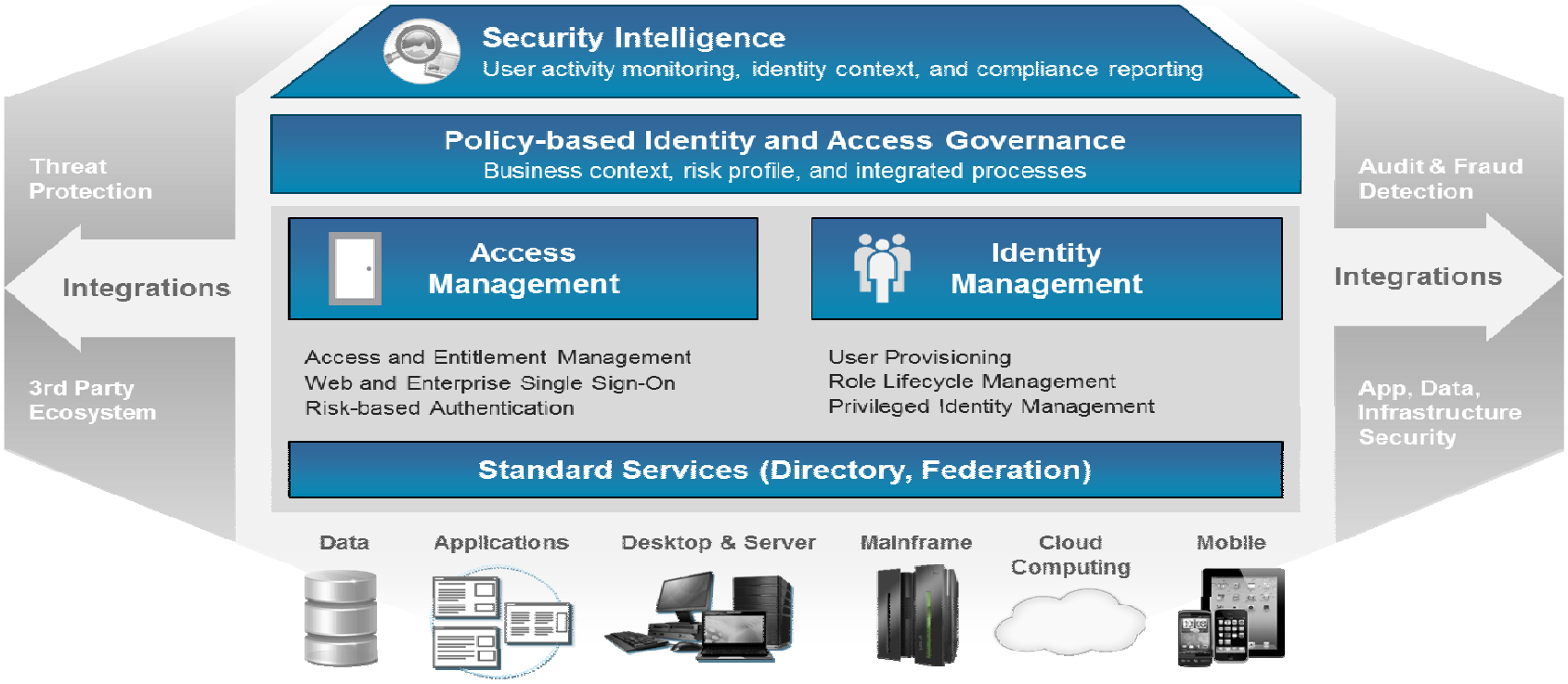
- Orchestrate
  - Adopt workflow-based IAM processes
  - Unify UX, IAM and business processes
  - Join together multi-vendor infrastructures
- Externalise
  - Separate application and security logic
- Strengthen
  - Work from a proven security infrastructure
  - Make use of new open source technology
  - Align with proven industry standards
- Contextualise
  - Recognise user state and perceived risk
  - Understand the status of a user's chosen device

IDENTITY IS CENTRAL TO ENABLING ACCESS EVERYWHERE

IBM IS HELPING CLIENTS TACKLE INSIDER THREAT AND ADOPT SOCIAL, MOBILE AND CLOUD USE CASES TODAY WITH FLEXIBLE, LAYERED SECURITY SOLUTIONS



IBM NEXT GENERATION IDENTITY AND ACCESS MANAGEMENT STRATEGY



Standardised IAM and Compliance Management

Secure Cloud, Mobile, Social Interaction

Insider Threat and IAM Governance

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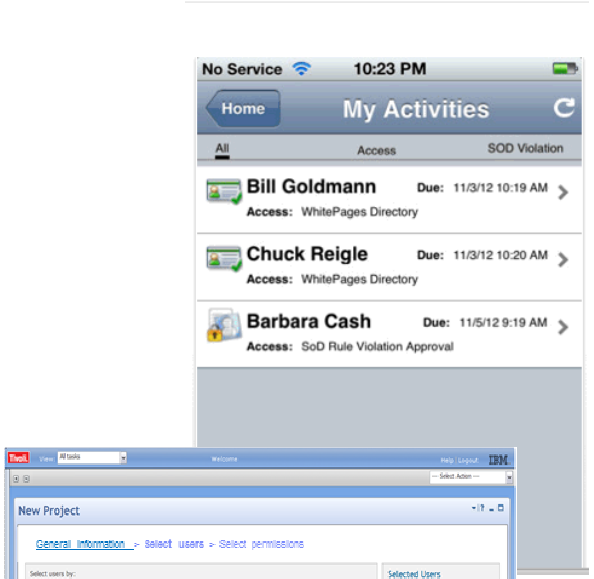
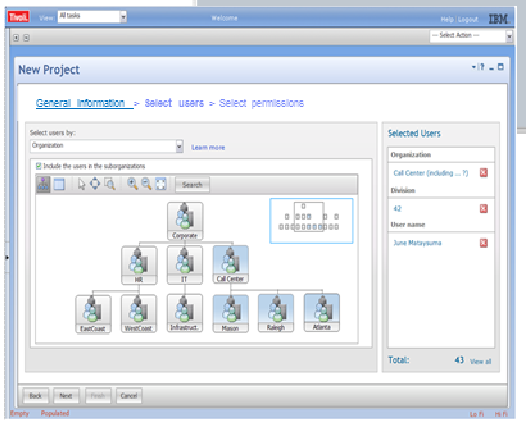
IBM SECURITY IDENTITY MANAGER 6.0

- Integrated role and identity management
- Adapters for provisioning to cloud services
- Rich adapters with health check, self-monitoring
- Simplified Web services API for self service UI



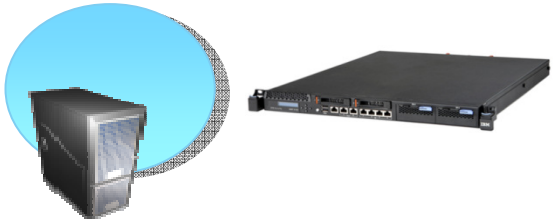
IBM SECURITY PRIVILEGED IDENTITY MANAGER

- Control shared access and lifecycle
- Automate check-in/check-out with fine-grained audit
- Integrated with Enterprise SSO



IBM SECURITY ACCESS MANAGER FOR WEB

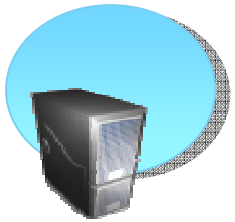
- User access + integrated web content protection
- New Hardware Appliance (Access Manager Proxy)
- Highly scalable web access management
- Lower TCO and easy to deploy 3rd party integration



Web Access & Application Protection (software, virtual, HW appliance)

IBM SECURITY ACCESS MANAGER FOR CLOUD & MOBILE

- OAuth authorisation service and enforcement points
- Built-in Risk-based Access control
- Wizard-driven integration with Google, SalesForce



Federated, Risk-based Access

INTRODUCING PIREAN SOFTWARE

Our focus is to build a portfolio of solutions which address the challenges of Identity, Access and Mobile management.

Our Software portfolio helps accelerate IBM deployments and enables clients to achieve their business goals with:

ACCESS: ONE

User Experience,
Self-Service,
Mobile Authentication,
Mobile Device Management,
Single Sign-On,
Strong Authentication, and
Federated Identity.

Premier Business Partner

Ready for
Security Intelligence

RISK MANAGER

Service Desk Integration,
Rule Based Compliance and Risk,
Dynamic Reporting and Dashboarding,
Entitlements Enrichment,
Compliance and Audit.

Premier Business Partner

Ready for
Tivoli software

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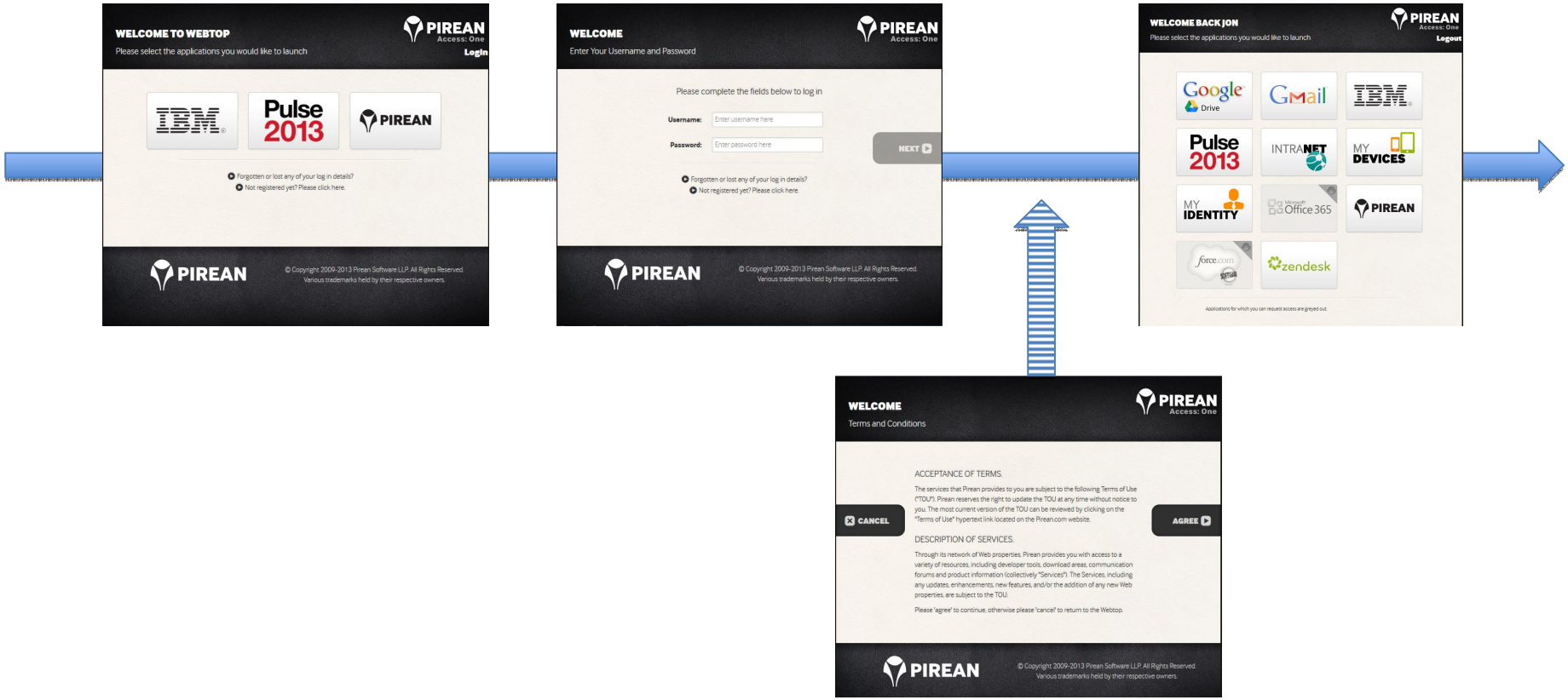
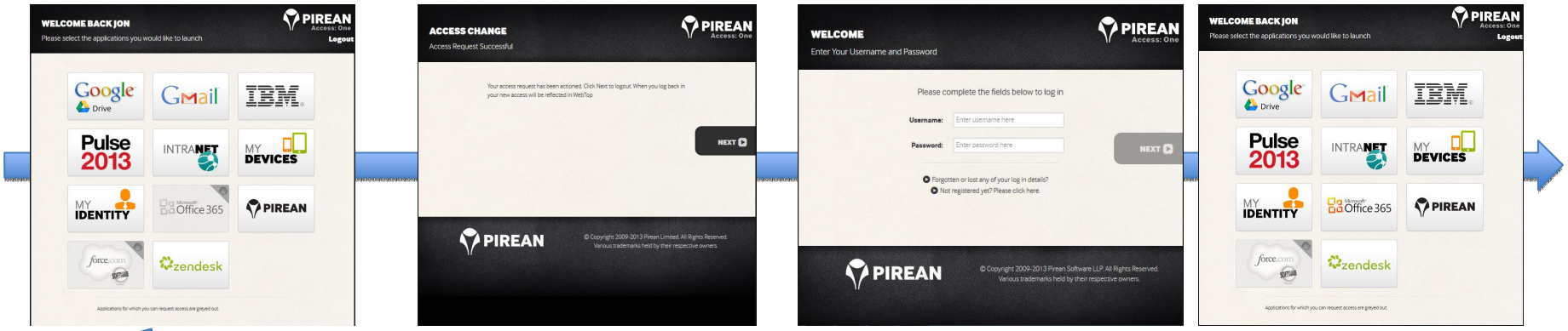
INTRODUCING ACCESS: ONE – SAMPLE USE CASES

Example IAM workflows – First Time User logon and insertion of additional step



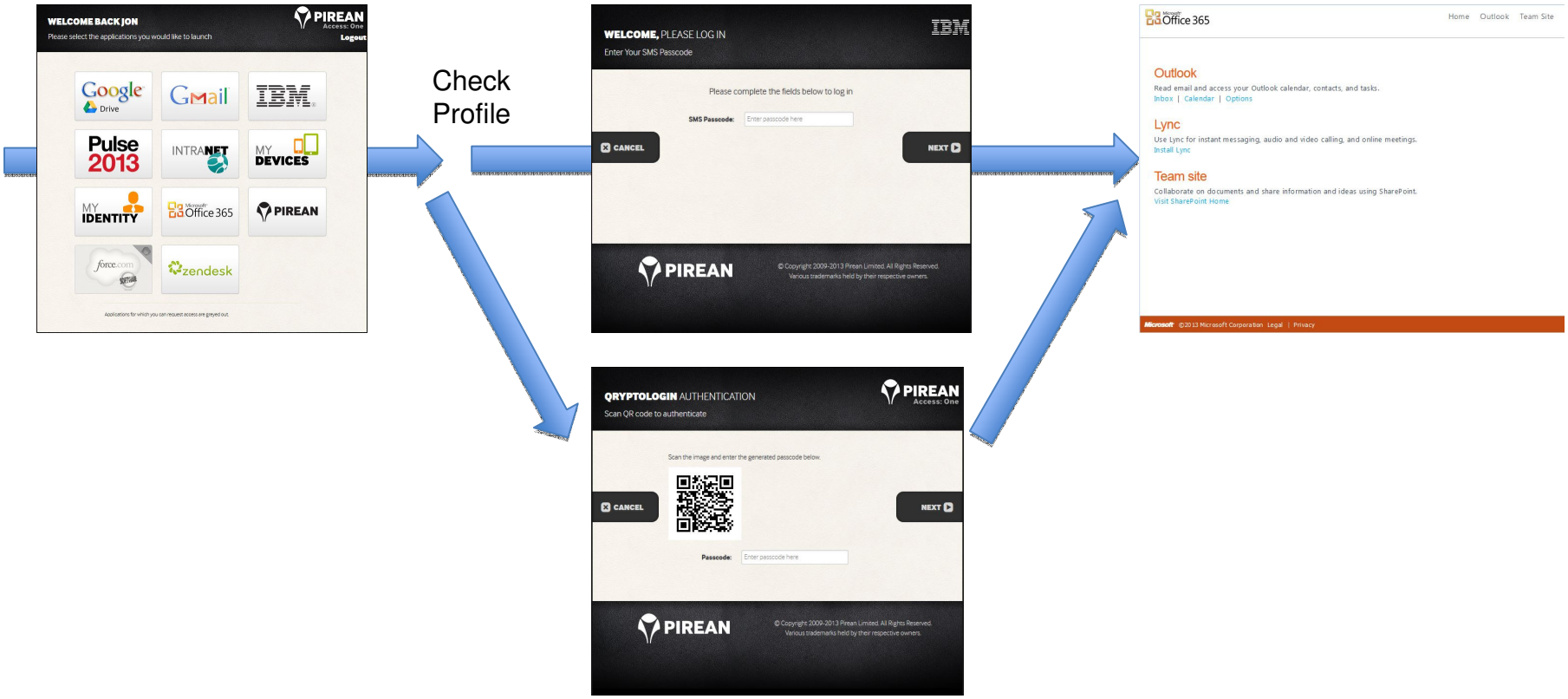
Example IAM workflows – Application Request



Business justification and/or additional information

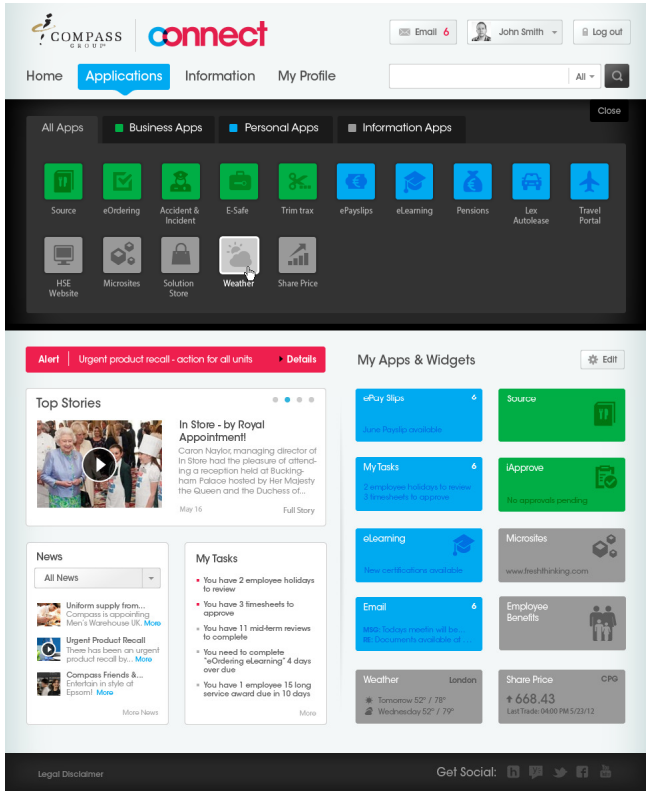
INTRODUCING ACCESS: ONE – SAMPLE USE CASES

Example user flows – Application Request and 2nd factor logon



INTRODUCING ACCESS: ONE – SAMPLE LOOK AND FEEL

The screenshots below illustrate production instances of Access: One protecting customer systems.



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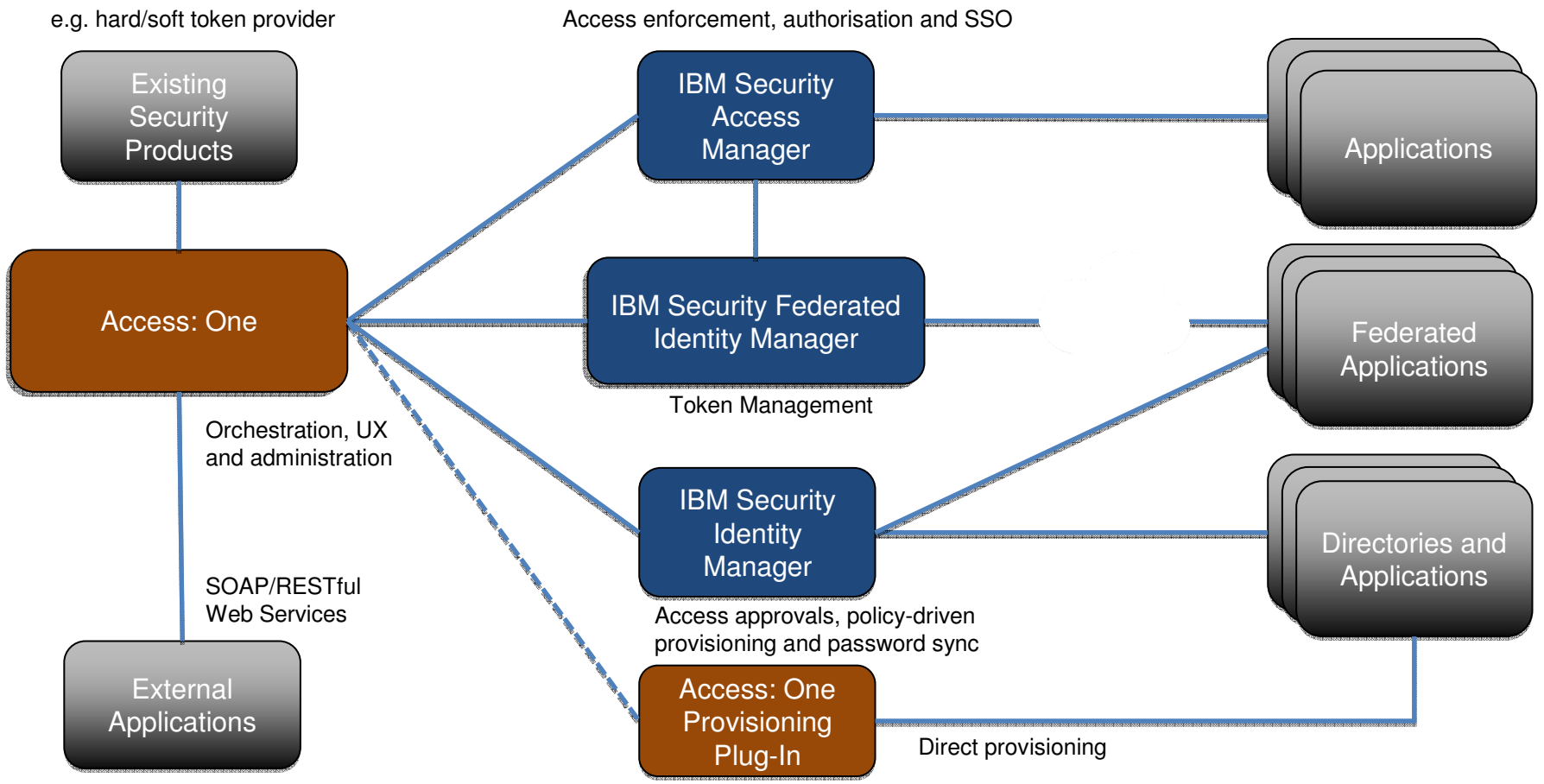
ACCESS: ONE AND IBM – PROVIDING CENTRALISED ACCESS FOR CLOUD AND CORPORATE RESOURCES



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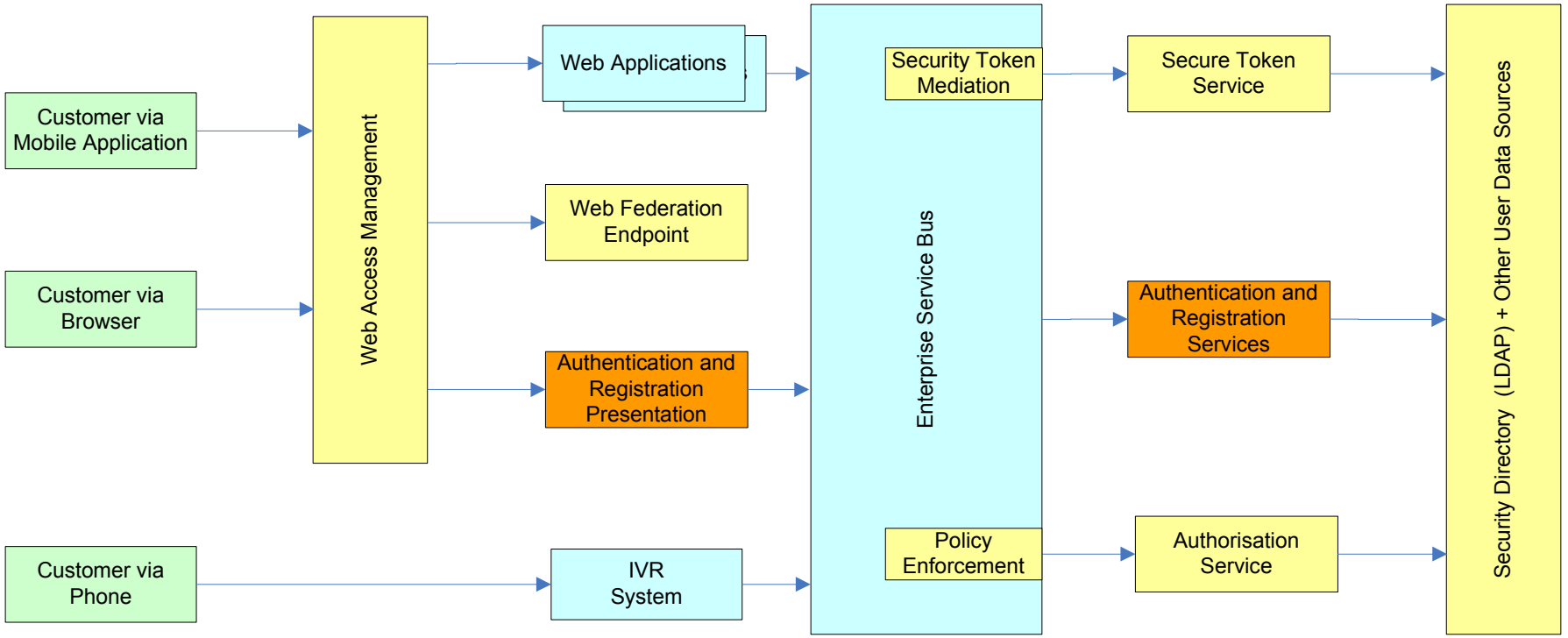
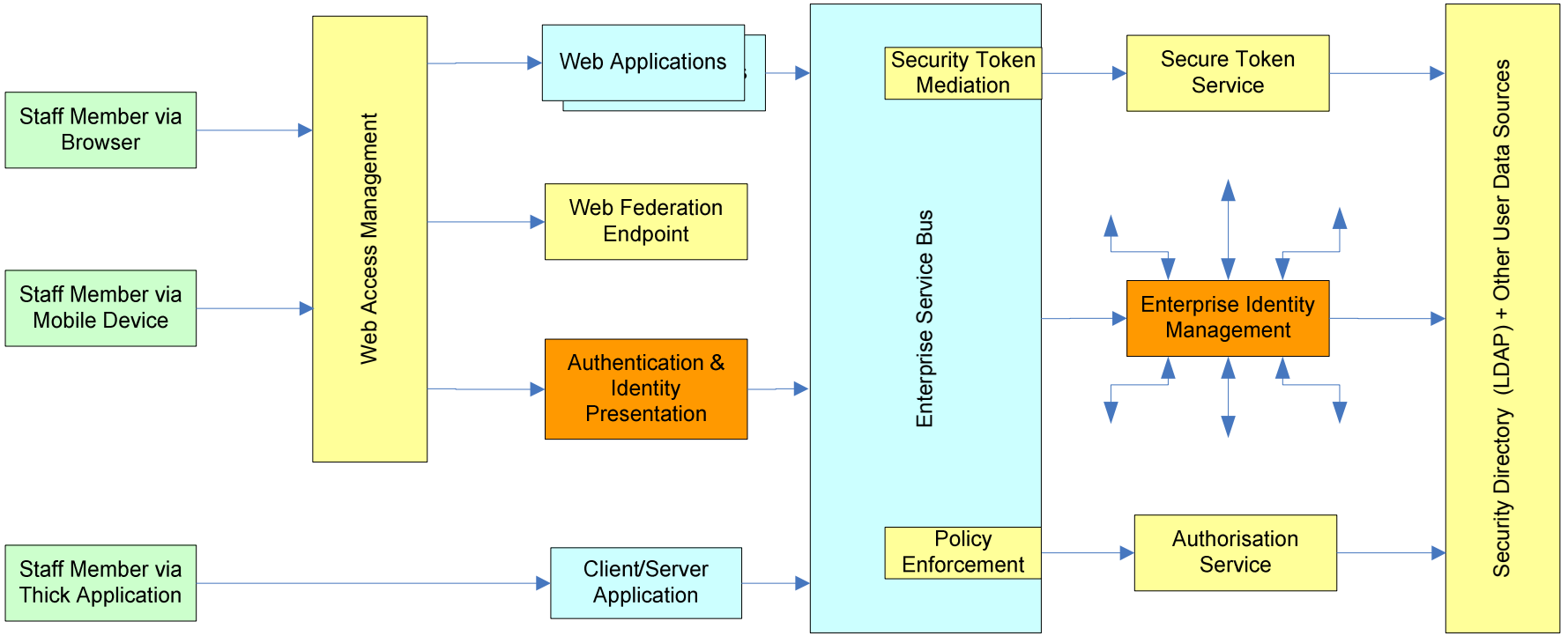
BEYOND AUTHENTICATION – REAL LIFE SCENARIOS

	External Customers	Internal Employees
Audience	100K – 100M users	1K to 100K users
Compliance Requirements	Low	Strong with regular review
Entitlements	Simple and static	Complex, changeable, privileged access
Access Mgmt.	Strong and easy to use. Supports BYOI	Multi-factor, risk/context driven, dynamic authorisation
Identity Mgmt.	User driven via self service capabilities	Centralised, complex and approval-driven process
UX	Rich UX with cross device support	Focus on ease of use with low service desk dependency

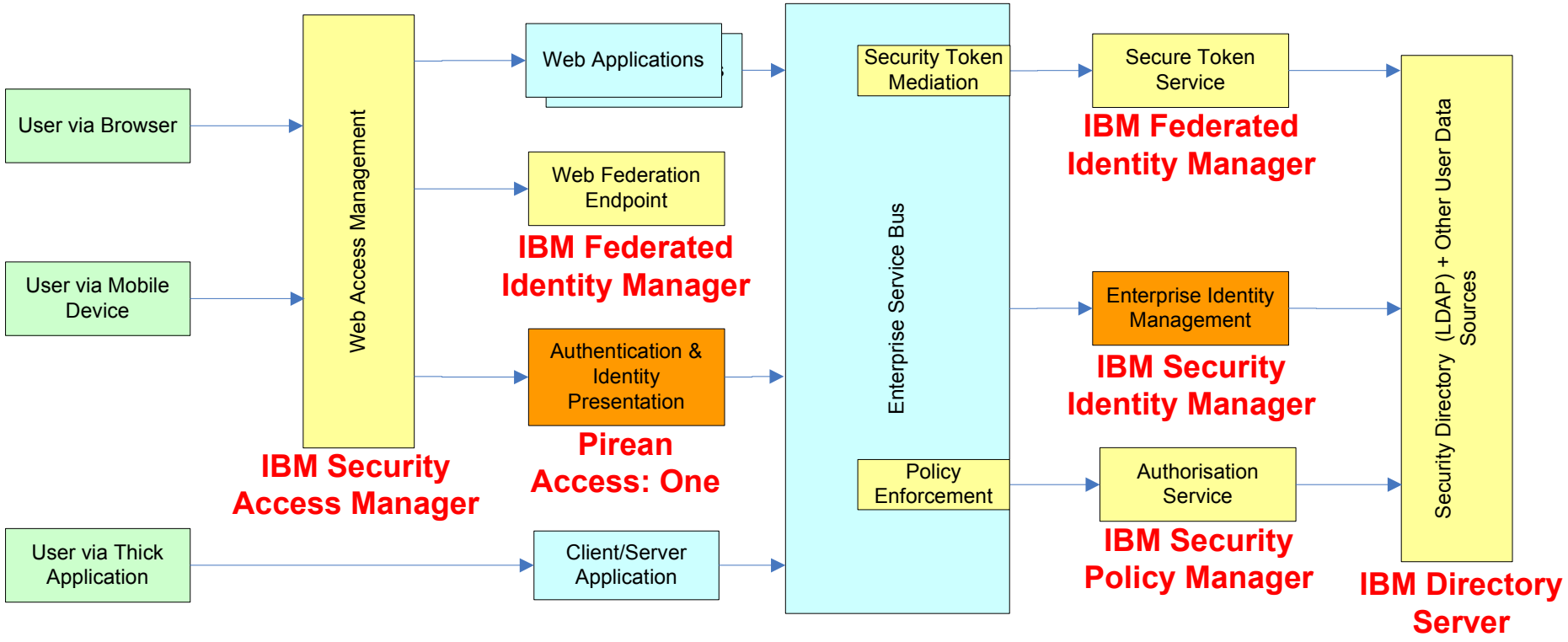
BEYOND AUTHENTICATION – EXTERNAL CUSTOMER WEB ACCESS



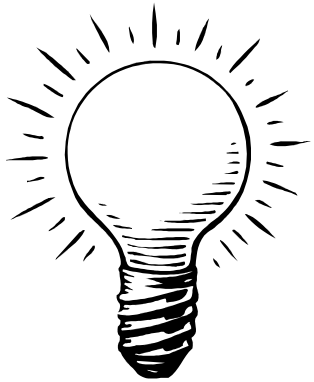
BEYOND AUTHENTICATION – INTERNAL EMPLOYEE WEB ACCESS SCENARIO



Delivering end-to-end Identity and Access Management with Pirean and IBM



CONCLUSIONS



- An(other) evolution in the IT landscape has begun

- We need to:
  - Support on-going incremental change
  - Embrace the new opportunities in Cloud, Mobile and Data
  - Build with the strongest security infrastructure with the most innovative tools

- IBM Security Portfolio + Pirean Software = Beyond Authentication

WANT TO KNOW MORE?

- Live Access: One demonstrations are available at the IBM stand on the exhibition show floor (H80)

- A webinar on ‘Orchestrated IAM’ will be held in May
  - Please indicate your interest in attending on the feedback form

  - IBM and Pirean co-hosted IAM Proof-Of-Technology session in May
  - Please indicate your interest in attending on the feedback form

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