

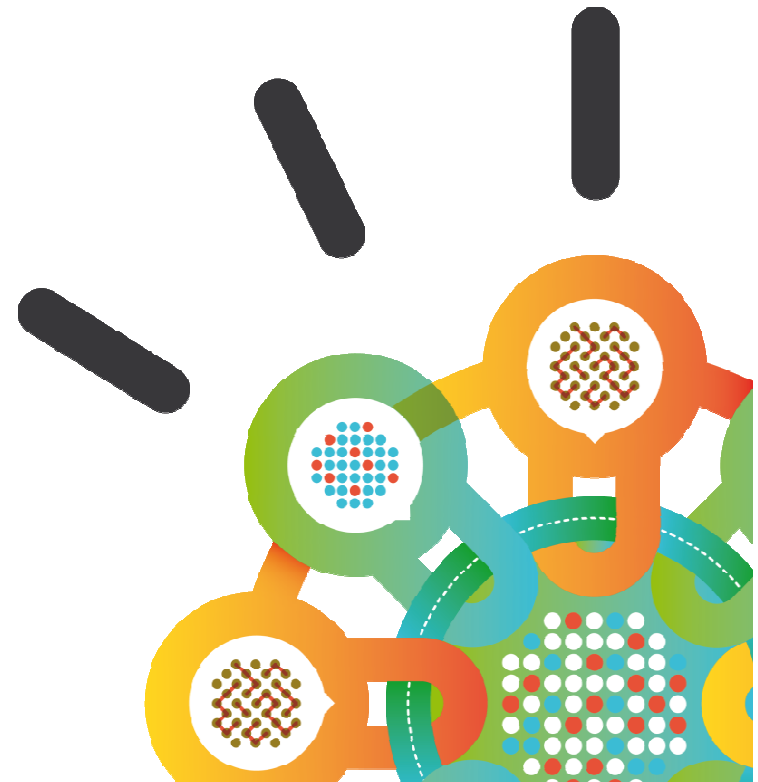
Security Intelligence.
Think Integrated.

CrossIdeas

Company and Product Overview

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Company

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Senior executives drive Identity Governance adoption

- **Financial Reporting**

SOX, CA 52-313, Turnbull, LSF,
Transparency Directive, JSOX, MAR, L.262

- **Industry Mandated Initiatives**

Basel II, Solvency II, GLBA, FERC/NERC,
FFIEC, FISMA, HIPAA/HITECH, ITAR,
Smart Grid

- **Privacy Mandates**

PCI, State Based (CA 1386, MA Privacy
201), Country Based, EU Data Protection

- **CxO/Senior Executives**

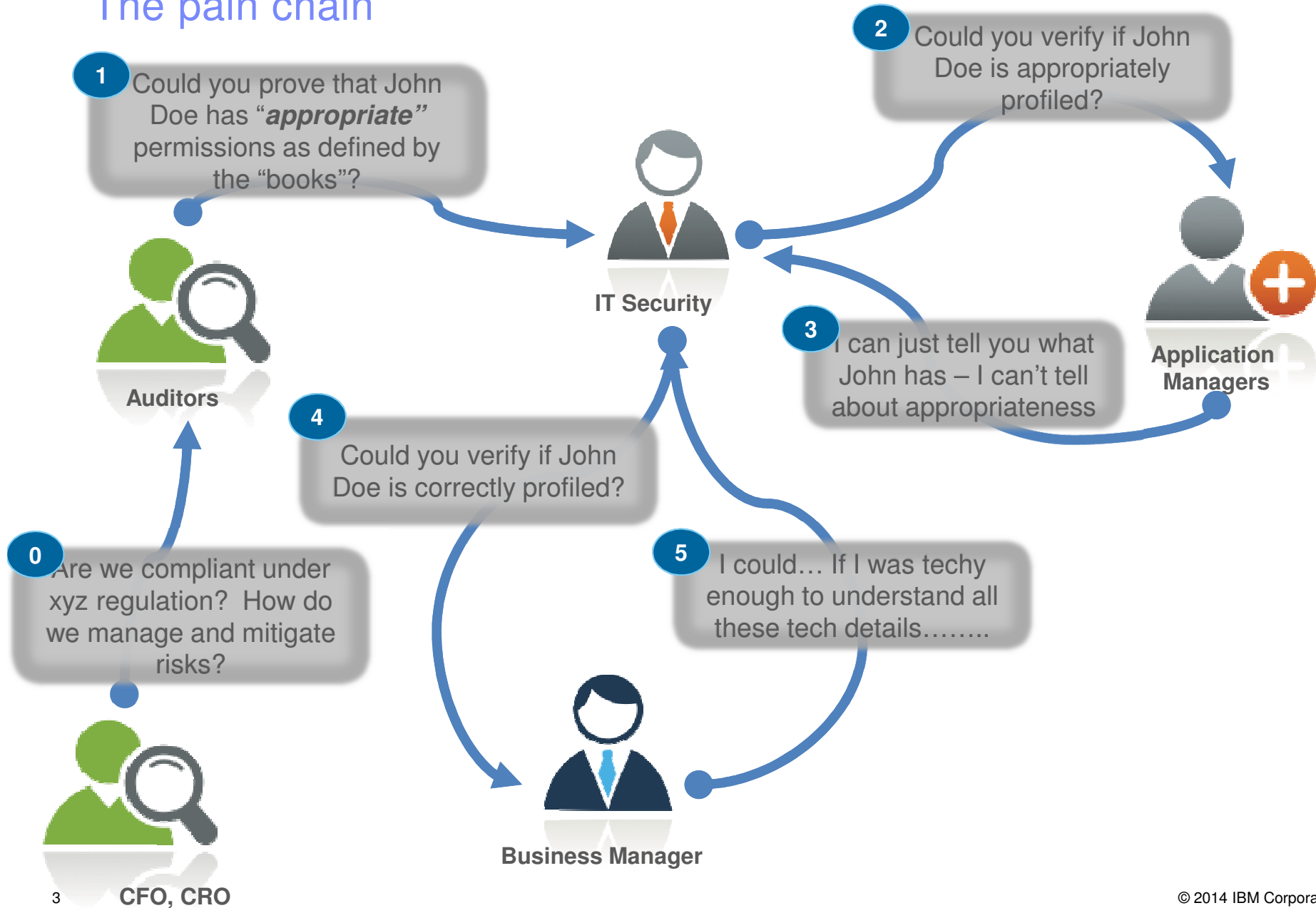
take individual responsibility for the
accuracy and completeness

- **Auditors**

require certified information to
approve Accounts / Risk Mgt reports



The pain chain



Typical Audit findings



- X Manual efforts to retrieve data:** weeks, meetings, 3rd party consulting fees.
- X Inability to detect existing ‘toxic combinations’:** privileged application accounts assigned to ‘standard’ employees, conflicting permissions creating SoD violations.
- X Inability to determine ‘who approved what when’:** many approval processes, ‘like Mike’ habits, etc.

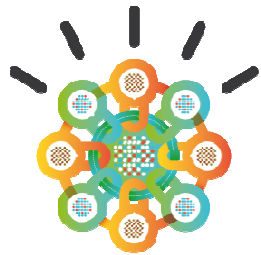
About CrossIdeas



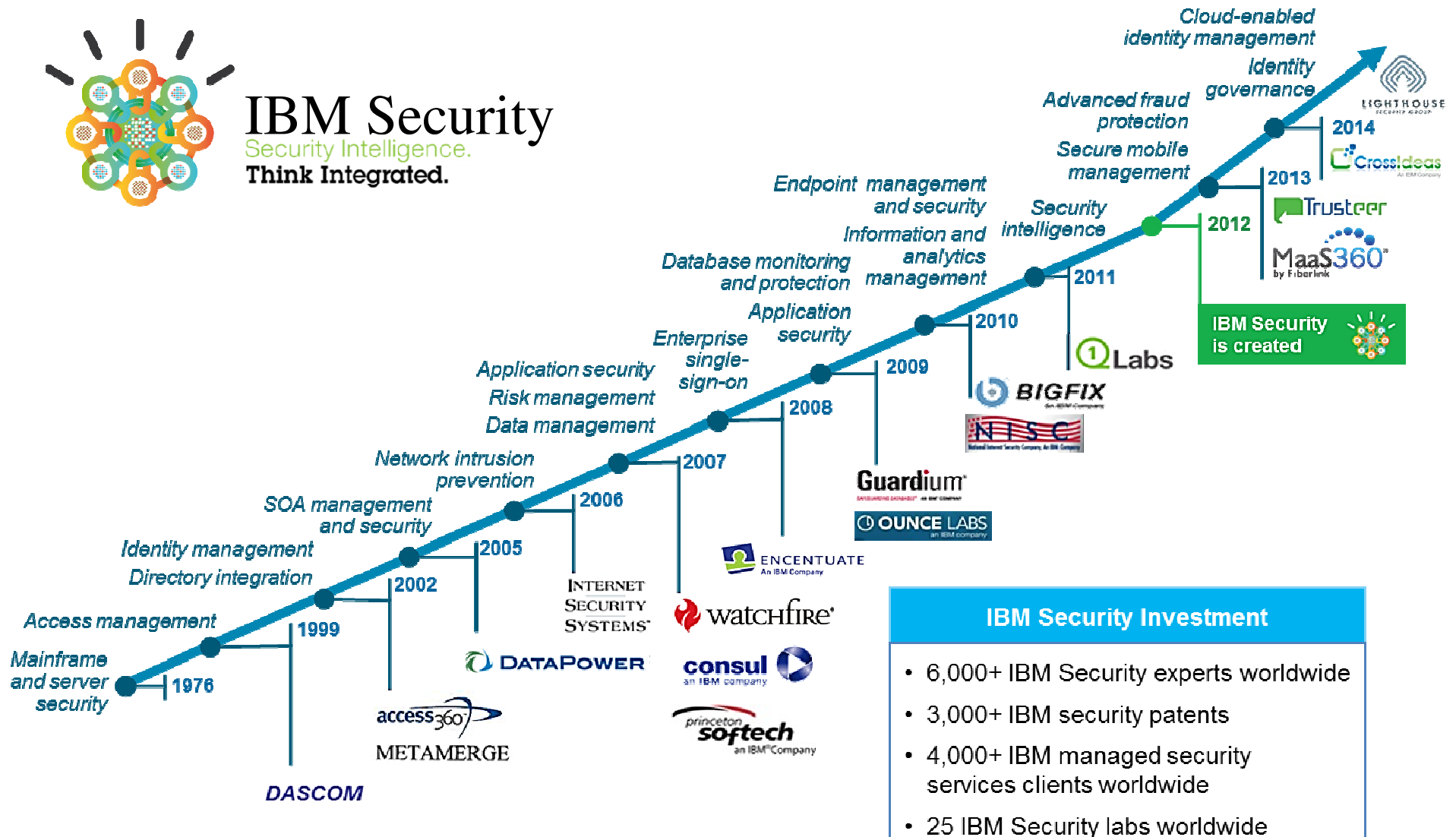
CrossIdeas is a leading player of Identity Governance Solutions, enabling organizations to achieve their Compliance, Audit and Access Risk Management objectives

- Founded in 2011, product originates in 2005
- HQ in Italy (Rome)
- Rated as “visionaire” in the Gartner IAG MQ 2011/2012 and IGA 2013
- Fortune 500 companies run CrossIdeas
- Acquired by IBM on July 31st 2014

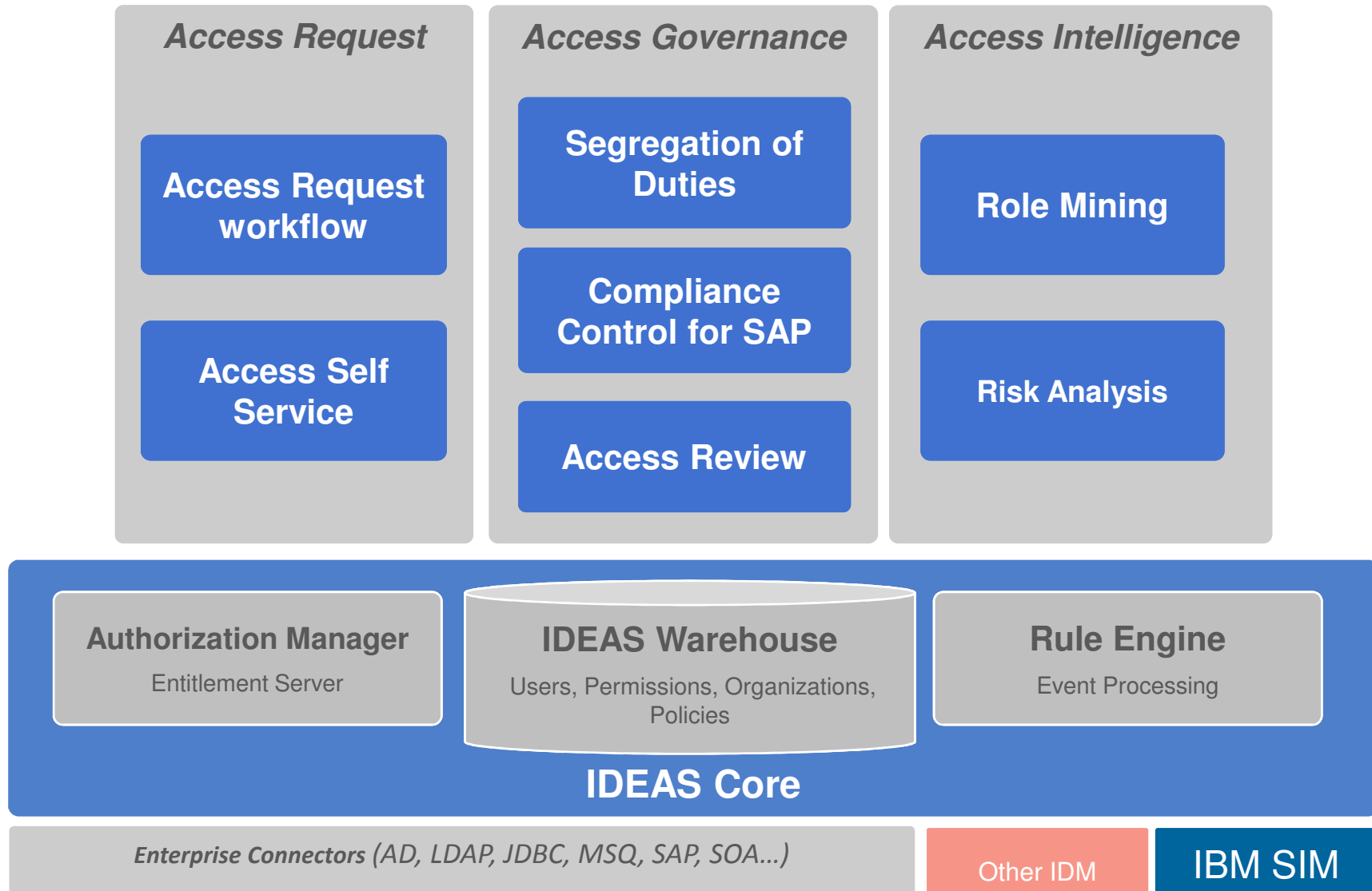
Now part of IBM Security Division...



IBM Security
Security Intelligence.
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IDEAS Solution Modules



IBM/CrossIdeas @ a glance

The 'ISIM-CrossIdeas' integration:

- Provides **bidirectional integration** between IBM SIM and CrossIdeas' IDEAS
- **Adds** strong Identity Governance capabilities, SAP specific controls, innovative Access/Role Intelligence to SIM

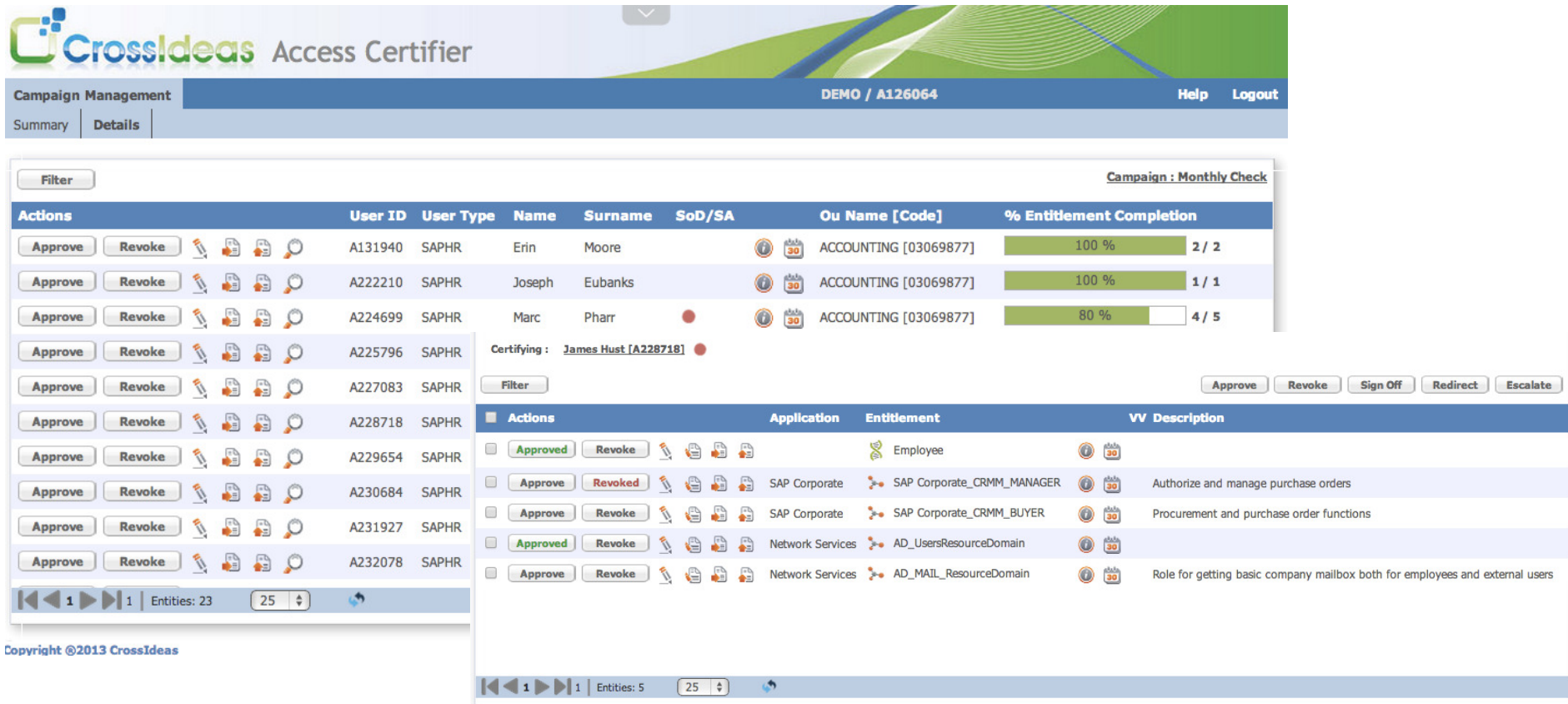


- **ISIM customers** can rapidly introduce Access Governance capabilities with no changes in their existing ISIM environment
- **Non-ISIM customers** can introduce Governance capabilities and then either **a)** expand into Provisioning, or **b)** replace their existing Identity management system (Sun, NetIQ, ...)

Use Case #2: Access Certification

IDEAS key features

- Business ready, intuitive interface
- Multi-attribute campaign: by Application, by OU, time-limited, etc
- Workflow based, multi-level approvals



The screenshot displays the CrossIdeas Access Certifier interface. At the top, it shows the 'Campaign Management' section for 'DEMO / A126064' with 'Help' and 'Logout' links. Below this, there are tabs for 'Summary' and 'Details'. The main area is titled 'Campaign : Monthly Check' and features a 'Filter' button.

Actions	User ID	User Type	Name	Surname	SoD/SA	Ou Name [Code]	% Entitlement Completion
Approve Revoke	A131940	SAPHR	Erin	Moore		ACCOUNTING [03069877]	100 % 2 / 2
Approve Revoke	A222210	SAPHR	Joseph	Eubanks		ACCOUNTING [03069877]	100 % 1 / 1
Approve Revoke	A224699	SAPHR	Marc	Pharr		ACCOUNTING [03069877]	80 % 4 / 5

Below the user list, the certifying user is identified as 'James Hust [A228718]'. A second table shows the entitlements for the selected user:












Actions	Application	Entitlement	VV Description
Approved Revoke		Employee	
Approve Revoked	SAP Corporate	SAP Corporate_CRMM_MANAGER	Authorize and manage purchase orders
Approve Revoke	SAP Corporate	SAP Corporate_CRMM_BUYER	Procurement and purchase order functions
Approved Revoke	Network Services	AD_UsersResourceDomain	
Approve Revoke	Network Services	AD_MAIL_ResourceDomain	Role for getting basic company mailbox both for employees and external users

Navigation controls at the bottom show 'Entities: 23' for the user list and 'Entities: 5' for the entitlements list.

Use Case #2: Segregation of Duty

IDEAS key features

- Process-based SoD, does not require Role modeling
- Multi-domain, attribute based SoD maps the complexity of business apps
- Specific SoD controls for SAP

SoD	RMD	Name	Surname	Identifier	DN
●	↓	 Giorgio	Callas	AE00189	
●	↓	 Miro	Van Basten	AE00190	
●	↓	 Deborah	Correa	A264404	
●	←	 Sandra	Harmon	A123048	
●	↓	 Julio	Hutt	A132083	
●	↓	 Serafina	Hackett	A223841	
●	↓	 Marc	Pharr	A224699	
●	←	 Kimberly	Strausbaugh	A254902	
●	←	 James	Petty	A231927	
●	↓	 Dorothy	Fultz	A232021	
●	←	 Melissa	Ragan	A254893	

Filter

Entities: 43 | 25

Risk Info | Assignment details | Mitigations

Total Risks Number: 1 Distinct Risks: 1
Risk level distribution H: 1 M: 0 L: 0

Production
Total Risks Number: 1
Risk level distribution H: 1 M: 0 L: 0

Tax management AND Accounts payable ●

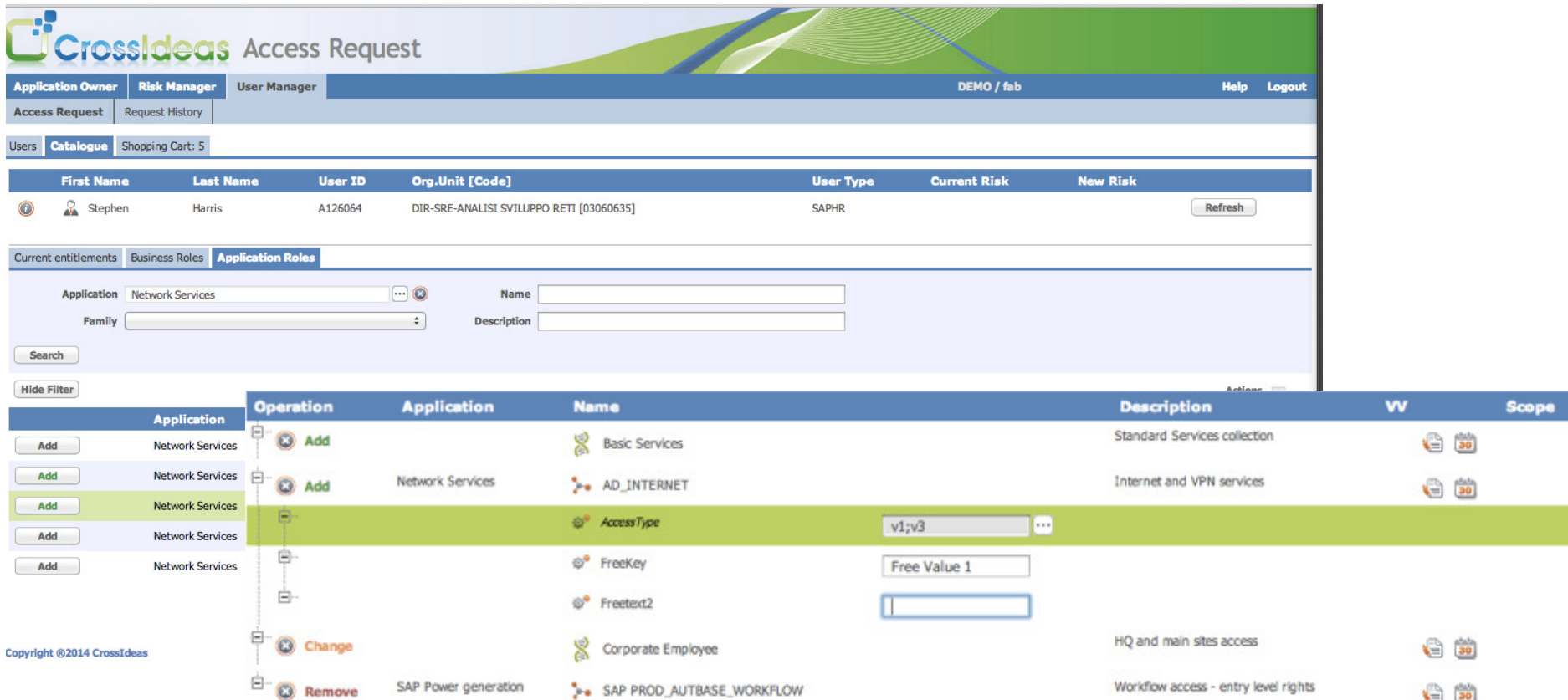
Type: SOD

- Accounts payable [92292008]
 - SAP PROD_PRBC_SUPER
 - PRBC_SUPER
- Tax management [53790444]

Use Case #3: Access Request Management

IDEAS key features

- Shopping Cart approach eases Business adoption
- Preventive Segregation of Duty takes control of risk
- Fine-grain application rights dramatically reduce complexity



The screenshot displays the CrossIdeas Access Request web application. At the top, the user is logged in as 'DEMO / fab'. The main navigation includes 'Application Owner', 'Risk Manager', and 'User Manager'. The current user profile shows 'Stephen Harris' with User ID 'A126064' and Org. Unit 'DIR-SRE-ANALISI SVILUPPO RETI [03060635]'. Below the profile, there are tabs for 'Current entitlements', 'Business Roles', and 'Application Roles'. The 'Application Roles' section shows a search for 'Network Services' and a list of roles in a shopping cart format. The roles listed are:

Operation	Application	Name	Description	W	Scope
Add	Network Services	Basic Services	Standard Services collection		30
Add	Network Services	AD_INTERNET	Internet and VPN services		30
	Network Services	AccessType		v1;v3	
	Network Services	FreeKey		Free Value 1	
	Network Services	Freetext2			
Change		Corporate Employee	HQ and main sites access		30
Remove	SAP Power generation	SAP PROD_OUTBASE_WORKFLOW	Workflow access - entry level rights		30

CrossIdeas Capabilities: Highlights

- **An ‘Unusually clean data model for IGA’** *(ref. Gartner)*
 - SoD based on ‘business processes’, allows to implement it without having to go through ‘Role design’ first.
- **The only IGA player with SAP specific controls**
 - Fine-grain SoD controls on users and roles.
 - One product to manage SAP and non SAP apps.
- **Interoperate with existing Provisioning/IDM platforms**
 - Designed for “Embrace & Extend” approach.
 - Native integration with IBM SIM and NetIQ IDM.
- **Scalable architecture, field proven**
 - J2EE architecture, customers with 100.000+ users.
 - Product originates (2005) as ‘Dynamic authorization server’.



IBM Security

CrossIdeas: Client Snapshot



INSURANCE



GENERALI



Posteitaliane

FINANCIAL SERVICES



SOCIETE GENERALE



Banca Popolare di Milano



Banca Marche

ENERGY & UTILITIES



ENERGY IN TUNE WITH YOU.

MANUFACTURING

Ferrari



PIAGGIO®

PUBLIC SECTOR



Ministero della Giustizia

Percorsi chiari e precisi: un tuo diritto

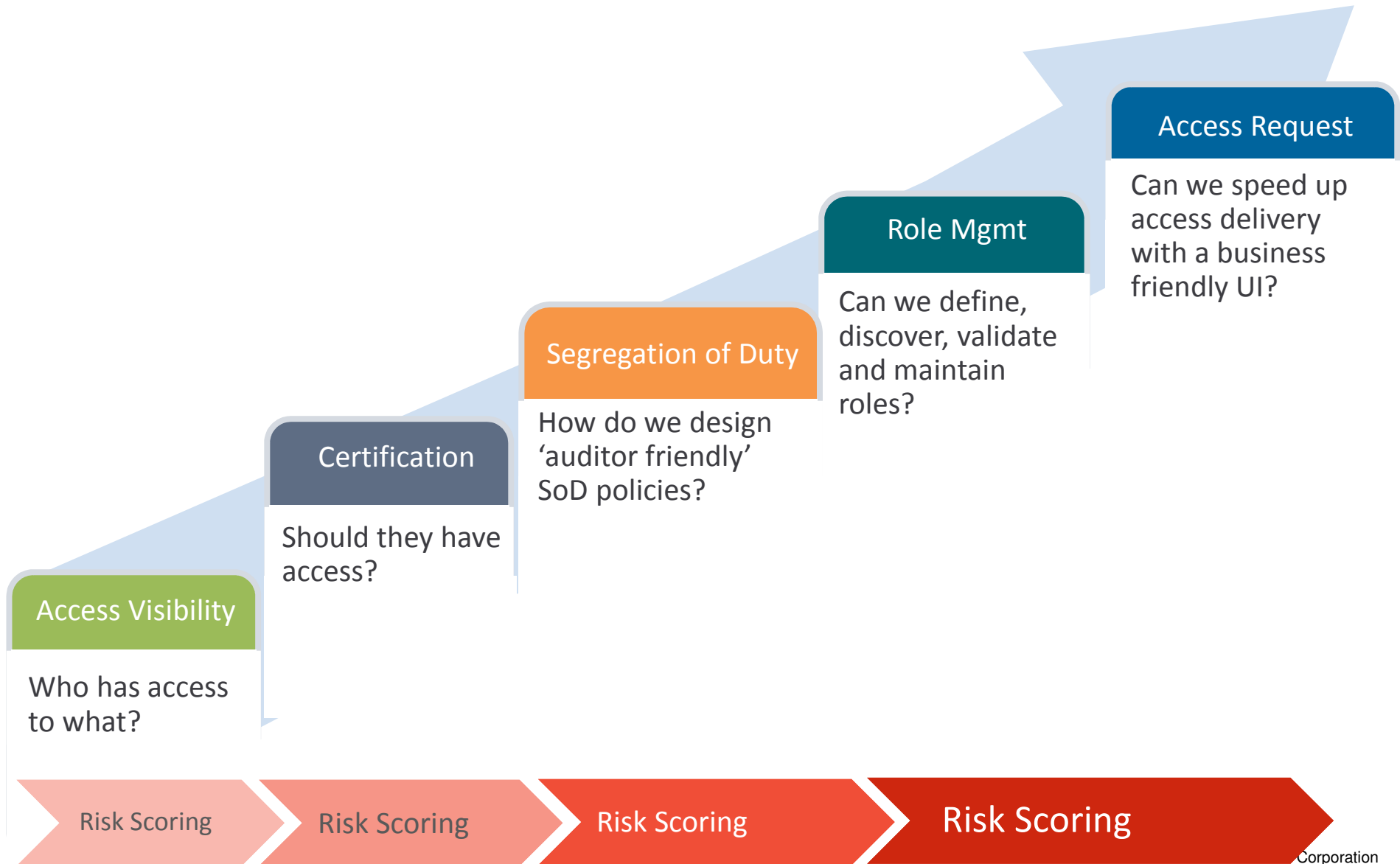


Aeroporti di Roma

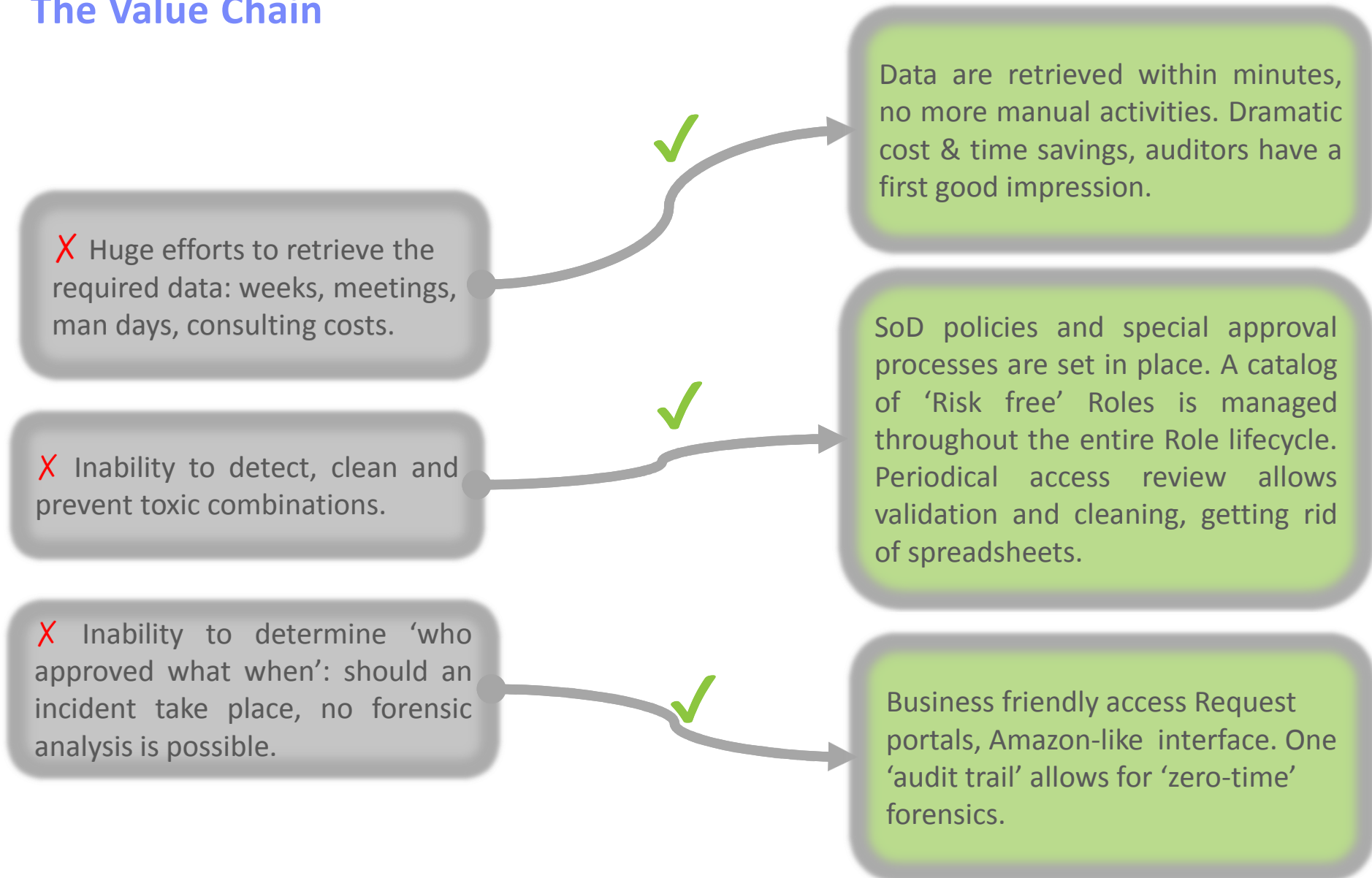
MINISTERO DELLA SALUTE



IGA Maturity Model: where are you now?



The Value Chain



The pain chain

1 Could you prove that John Doe has “appropriate” permissions as defined by the “books”?

2 Could you verify if John Doe is appropriately profiled?

Lesson learned

- Do not neglect the **‘Translation & Readability’** requirements
- When the Audit pressure is high, stars align between IT and Business
- Plan for multiple, short phases

Business Manager

Statement of Good Security Practices: IT system security involves protecting systems and information through prevention, detection and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed or misappropriated or can result in damage to or misuse of your systems, including to attack others. No IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products or services to be most effective. IBM DOES NOT WARRANT THAT SYSTEMS AND PRODUCTS ARE IMMUNE FROM THE MALICIOUS OR ILLEGAL CONDUCT OF ANY PARTY.

Thank You

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