

IBM Security Framework for Energy & Utility

Settembre 2011



Agenda

- The IBM Security Framework & Blueprint for focus on Energy & Utilities
- Governance & Compliance Model per un'infrastruttura critica



The Smarter Planet enables innovative change which inherently introduces new risks...

The planet is getting more ...



Instrumented

Interconnected

Intelligent

IBM helps you manage the security risks that are introduced by Smarter Planet technology and net centric business models.



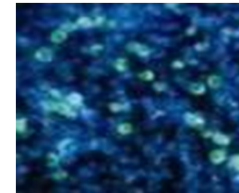
Smart supplychains



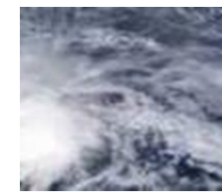
Smart countries



Smart retail



Smart water management



Smart weather



Smart energy grids



Intelligent oil field technologies



Smart regions



Smart healthcare



Smart traffic systems



Smart cities



Smart food systems

Market Conditions: Unprecedented Cost and Complexity Common to all industries

New Methods and Motives:
Adding to the complexity and sheer number of risks



*Complexity remains the biggest security challenge!
Integration is key to managing the cost and complexity of the evolving landscape*

IBM Security Solutions provide a holistic approach which can allow you to securely, safely, and confidently adopt new forms of technology

The **only vendor** in the market with end-to-end coverage of the security foundation

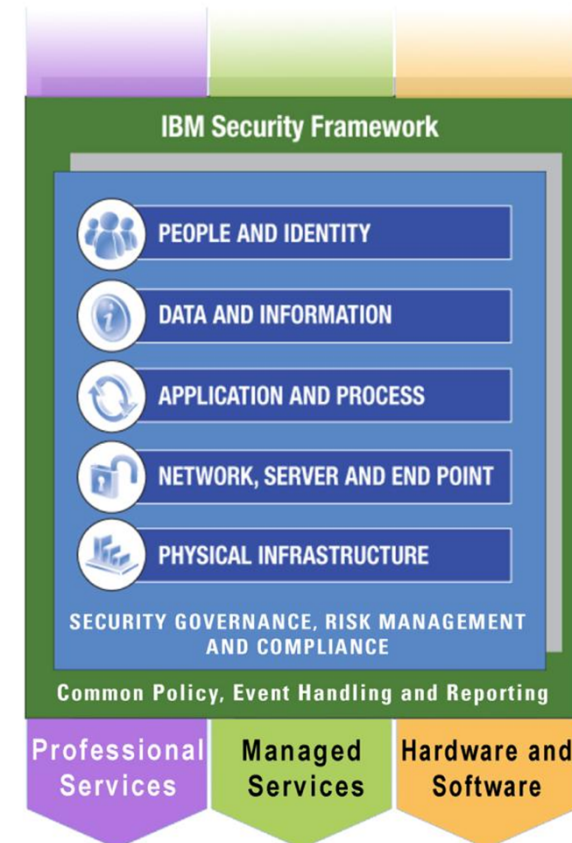
15,000 researchers, developers, and SMEs on security initiatives

3,000+ security and risk management patents

200+ security customer references and 50+ published case studies

40+ years of proven success securing the zSeries environment

600+ security certified employees (CISSP, CISM, CISA,...)



DASCOM

access360
A Better Way To Manage Access Rights

consul
an IBM company

ENCENTUATE
An IBM Company

watchfire

OUNCE LABS
an IBM company

Guardium
SAFEGUARDING DATABASES™ AN IBM® COMPANY

princeton softtech
an IBM® Company

DATAPOWER

Initiate

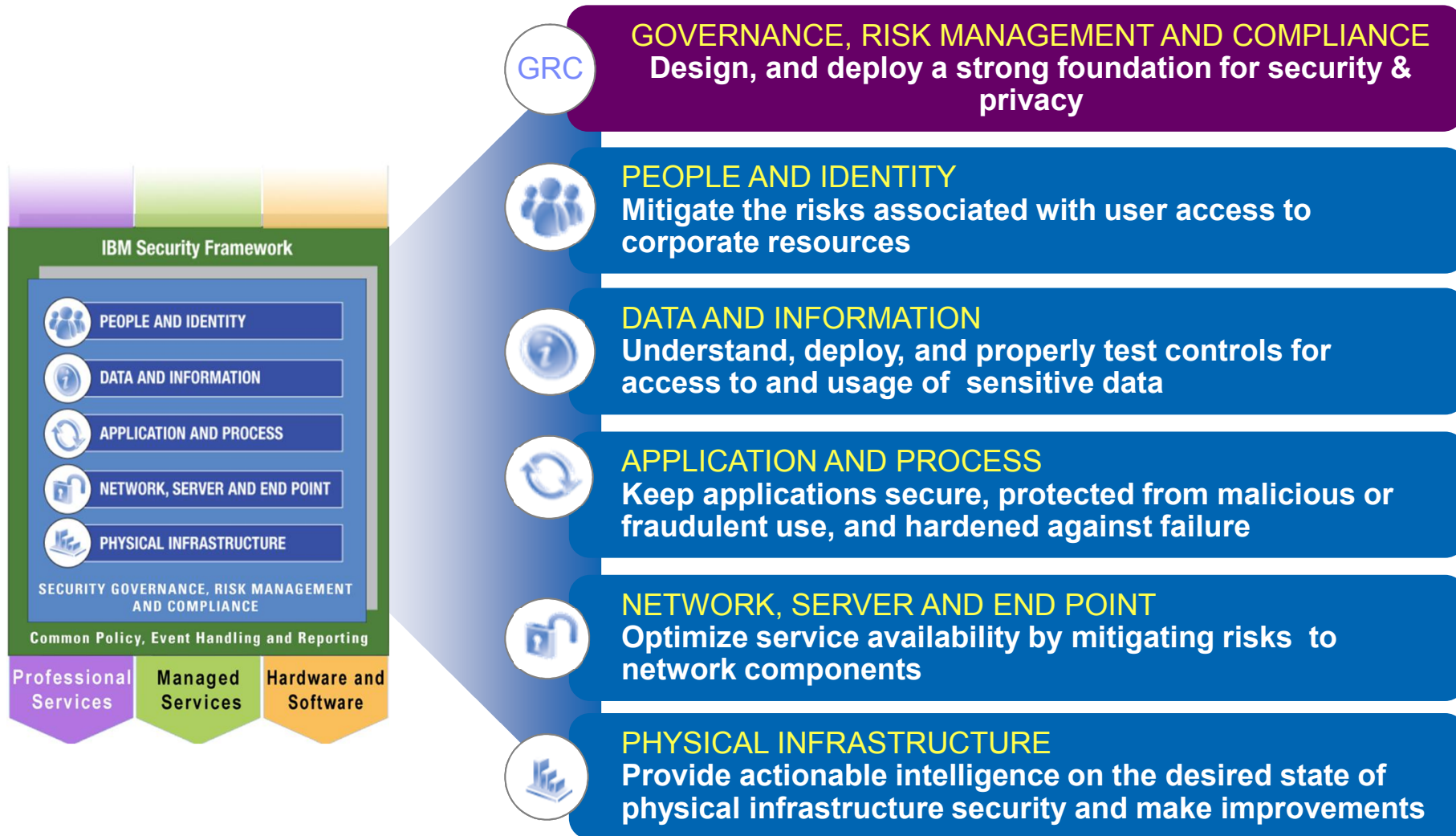
INTELLIDEN

BIGFIX
An IBM Company

INTERNET SECURITY SYSTEMS

OPENPAGES

The elements of the IBM Security Framework



IBM Security Framework for Energy & Utilities

IBM Security Framework by Industry combines the unmatched capabilities of the IBM Security portfolio value proposition in terms of professional services, software, hardware and managed services to address the industry's unique challenges and business needs

It combines the industry knowledge and standards, best practices, IBM software and solution accelerators that energy and utility companies need to bridge the gap between their business and IT requirements.

It helps utility companies reduce operating costs accelerate deployment of intelligent network programs (like smart grids) provide energy management tools to consumers limiting security threats

IBM Security Framework enables to address the security of all aspects of data and communications, applications and systems as well as physical assets protection



IBM Security Framework for Energy & Utilities – Pain Points

- Physical public safety and security concerns
- Privacy protection
- Vandalism / property damage deterrence
- Keeping up with regulatory and maintain compliance posture
- The Energy & Utilities Sector industry is a potential target for attacks
- Protect security and privacy of critical assets (logical/physical)
- Monitor SCADA system for security vulnerabilities
- Improve operational efficiency – manage costs
- Confidential and critical data seeking for protection from internal and external threats
- Compliance with international requirements (i.e Direttiva UE a protezione delle infrastrutture critiche)



IBM Security Framework for Energy & Utilities

Physical Assets protection

Issues

- Increasing terrorism threats
- Increasing of theft
- National and international infrastructure to be protected
- High number of assets to be protected, distributed around the territory
- National and international regulation for safety & security
- Critical infrastructure for Italy and UE have a tremendous impact on citizen life



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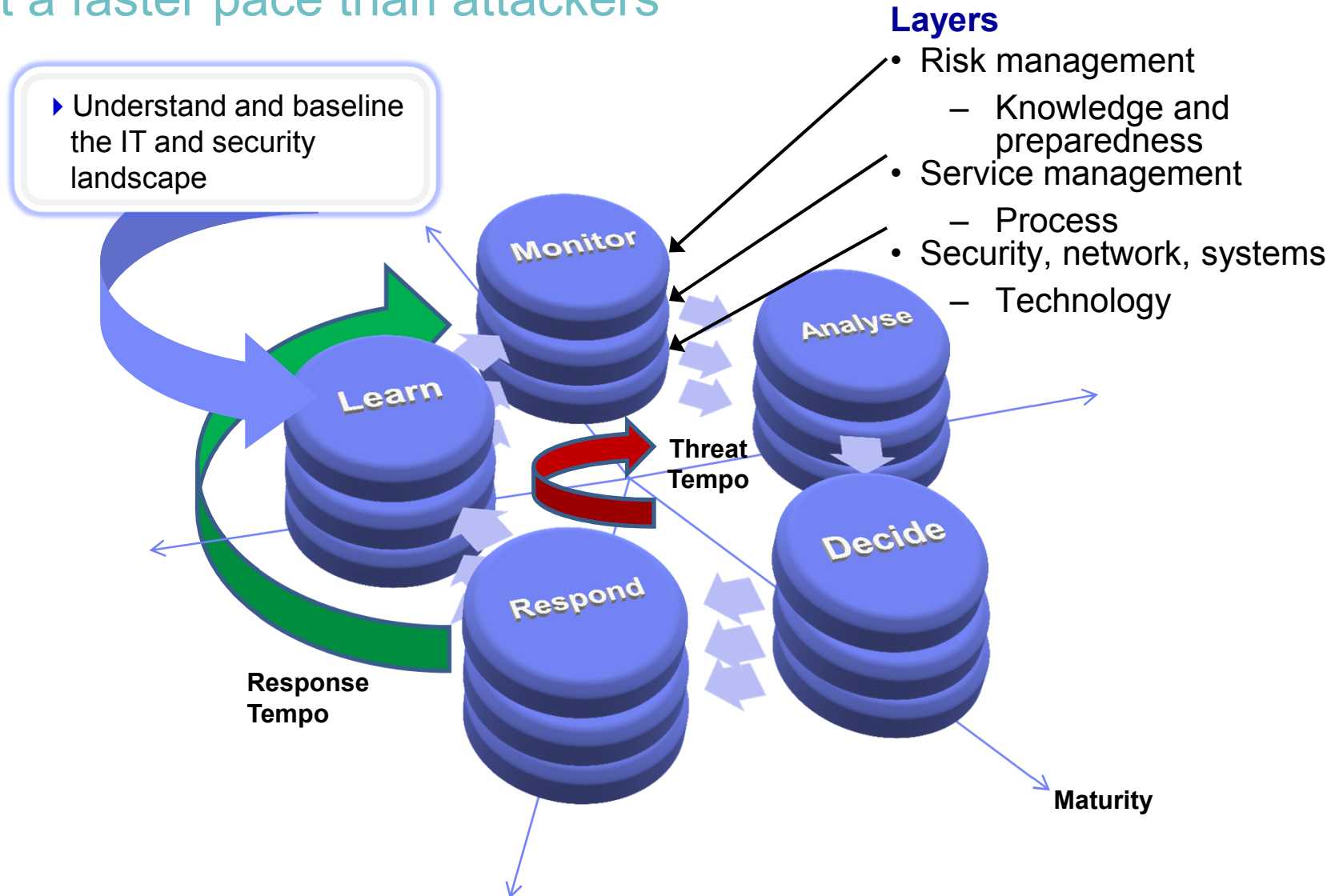
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Governance & Compliance Model per un'infrastruttura critica

- IBM partecipa attivamente agli incontri dell'Associazione Italiana Infrastrutture Critiche ed è uno dei Soci Collettivi.
- Ad oggi non sono ancora disponibili modelli di Governance e Compliance specifici per le infrastrutture critiche.
- E' in corso uno studio per definire un approccio metodologico finalizzato ad indirizzare il tema delle Infrastrutture critiche Europee.
- Sono previsti dei risultati preliminari entro settembre / ottobre 2011.

Use the IBM *Cyber Defence Lifecycle* to detect and respond at a faster pace than attackers



Fitting it all together to provide dynamic Cyber Security

