

09/10/2010

La sicurezza nel Cloud Computing



Specific customer concerns related to security and cloud computing

Protection of intellectual property and <u>data</u>	30%
Ability to enforce regulatory or contractual obligations	21%
Unauthorized use of <u>data</u>	15%
Confidentiality of <u>data</u>	12%
Availability of <u>data</u>	9%
Integrity of <u>data</u>	8%
Ability to test or audit a provider's environment	6%
Other	3%

Categories of Cloud Computing Risks



Less Control

Many companies and governments are uncomfortable with the idea of their information located on systems they do not control. Providers must offer a high degree of security transparency to help put customers at ease.



Reliability

High availability will be a key concern. IT departments will worry about a loss of service should outages occur. Mission critical applications may not run in the cloud without strong availability guarantees.



Data Security

Migrating workloads to a shared network and compute infrastructure increases the potential for unauthorized exposure. Authentication and access technologies become increasingly important.



Compliance

Complying with SOX, HIPAA and other regulations may prohibit the use of clouds for some applications. Comprehensive auditing capabilities are essential.



Security Management

Providers must supply easy controls to manage firewall and security settings for applications and runtime environments in the cloud.

Guiding the conversation with clients

IBM Security Framework



Describes the business landscape of security

IBM Cloud Security Guidance



Describes the technology landscape

IBM Capabilities & Offerings to Help



Catalogues of products, services and solutions

Coarse grained

Fine grained



IBM Cloud Security Guidance document

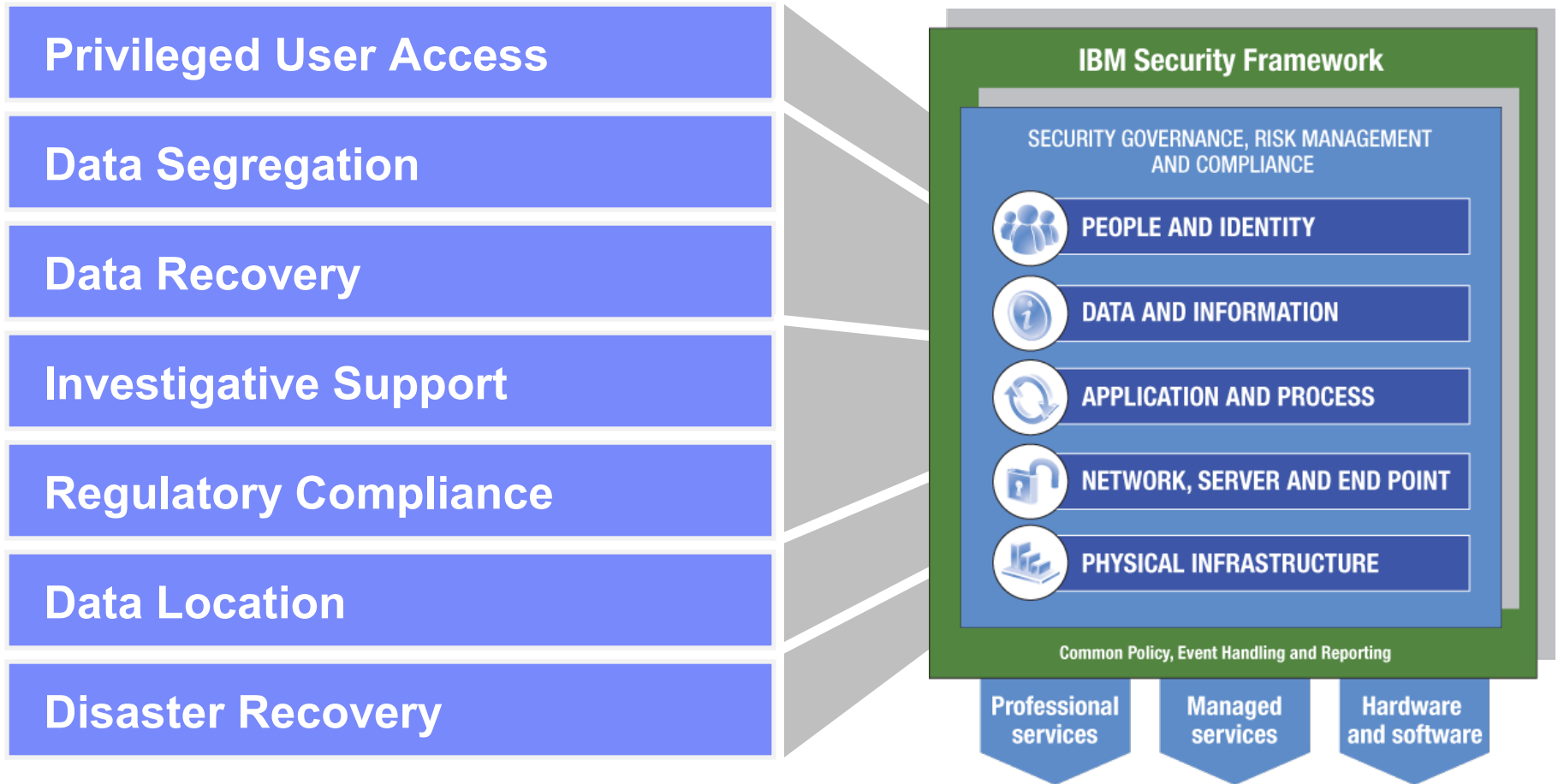
- Based on cross-IBM research and customer interaction on cloud security
- Highlights a series of best practice controls that should be implemented
- Broken into 7 critical infrastructure components:

- *Building a Security Program*
- *Confidential Data Protection*
- *Implementing Strong Access and Identity*
- *Application Provisioning and De-provisioning*
- *Governance Audit Management*
- *Vulnerability Management*
- *Testing and Validation*



Gartner's security risks of cloud computing

...map directly to the IBM Security Framework.

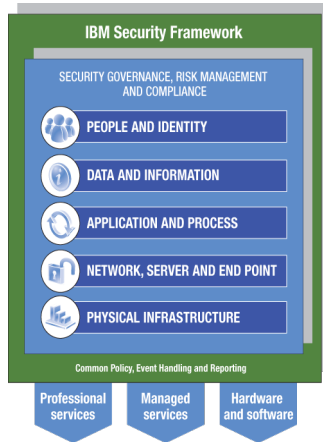


IBM offers a broad portfolio of security services from the cloud and products and services to secure the cloud

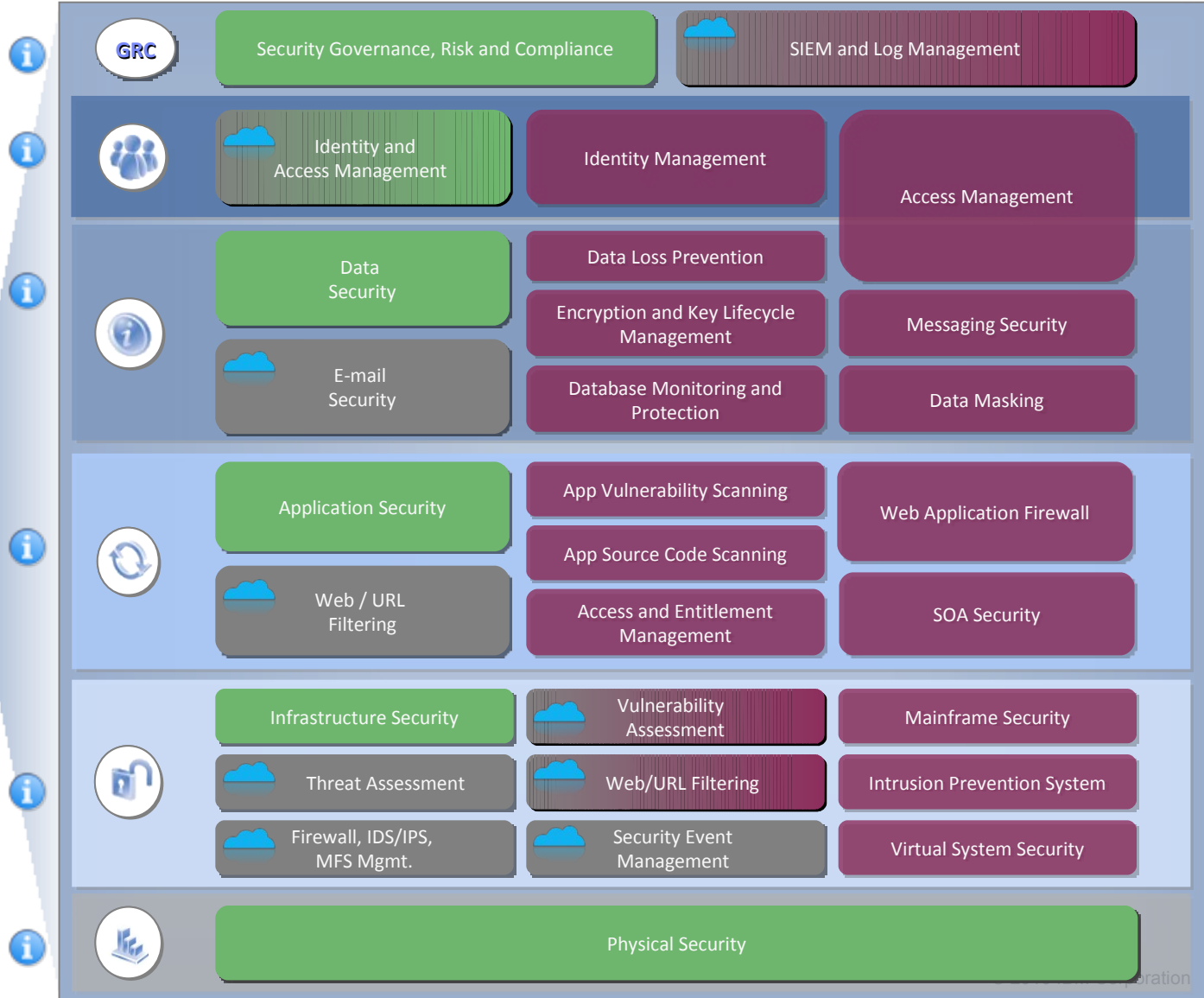
= Professional Services

= Cloud-based & Managed Services

= Products



= click for more info when in Slide Show mode



IBM is a visionary in the field of IT Security

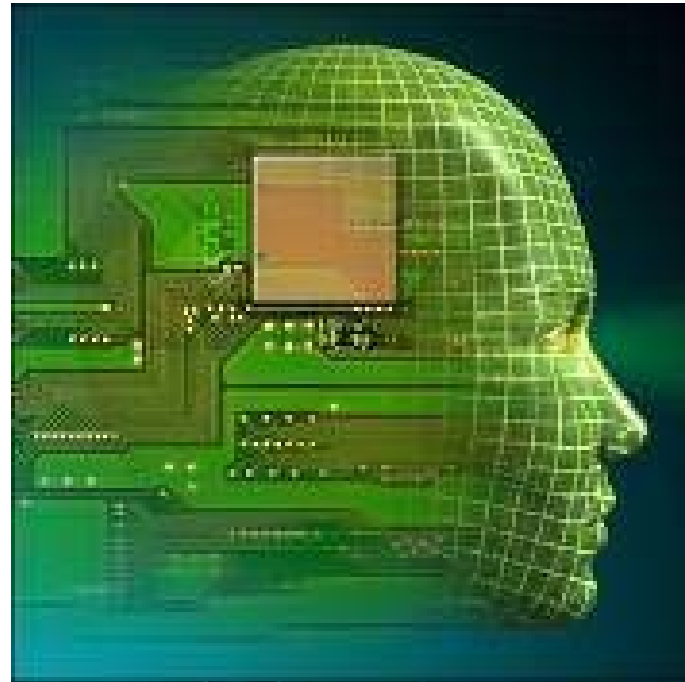
Enabling more advanced, yet secure services for the Smarter Planet

IBM Research Projects

Homomorphic
Encryption

Enterprise Security
Architecture

High Tech Risk
Analytics



International Association of Privacy Professionals recognized IBM Research as one of the “Top Privacy Innovators” in 2009