INFORMATION SECURITY FORUM
PROTECTING BUSINESS INFORMATION

The downturn and the cloud …..challenge and solution?

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What the ISF provides for its Members

Risk Management Tools

An unrivalled portfolio of automated risk management tools, which allow Members to:

- Measure the stren...
  arrangements
- Benchmark their s...
  those of other Me...
- Determine the ex...
  comply with leadi...
  standards for info...
- Perform compreh...
  information risk a...
- Calculate return o...
  investment (RoSI)

Solutions

A comprehensive library of:

- ...cutive summaries
- ...tation guides
- ...pers
- ...hecklists
- ...rence guides
- ...reports
- ...ed methodologies

Knowledge Ex...

Members benefit fro...
participation in:

- Work groups / wo...
  issues in informat...
- Regional meeting...
- Online 'webcasts'
- MX², a Member-only secure extranet
- Special interest groups on common areas of interest

...al World

...ternational conference
...n security professionals.
...nclude:

- ...o ISF Members
- ...fully funded out of
  Membership
- Access to latest thinking in information security
- High profile keynote speakers
- Presentations from Members
- Opportunity for Members to sponsor
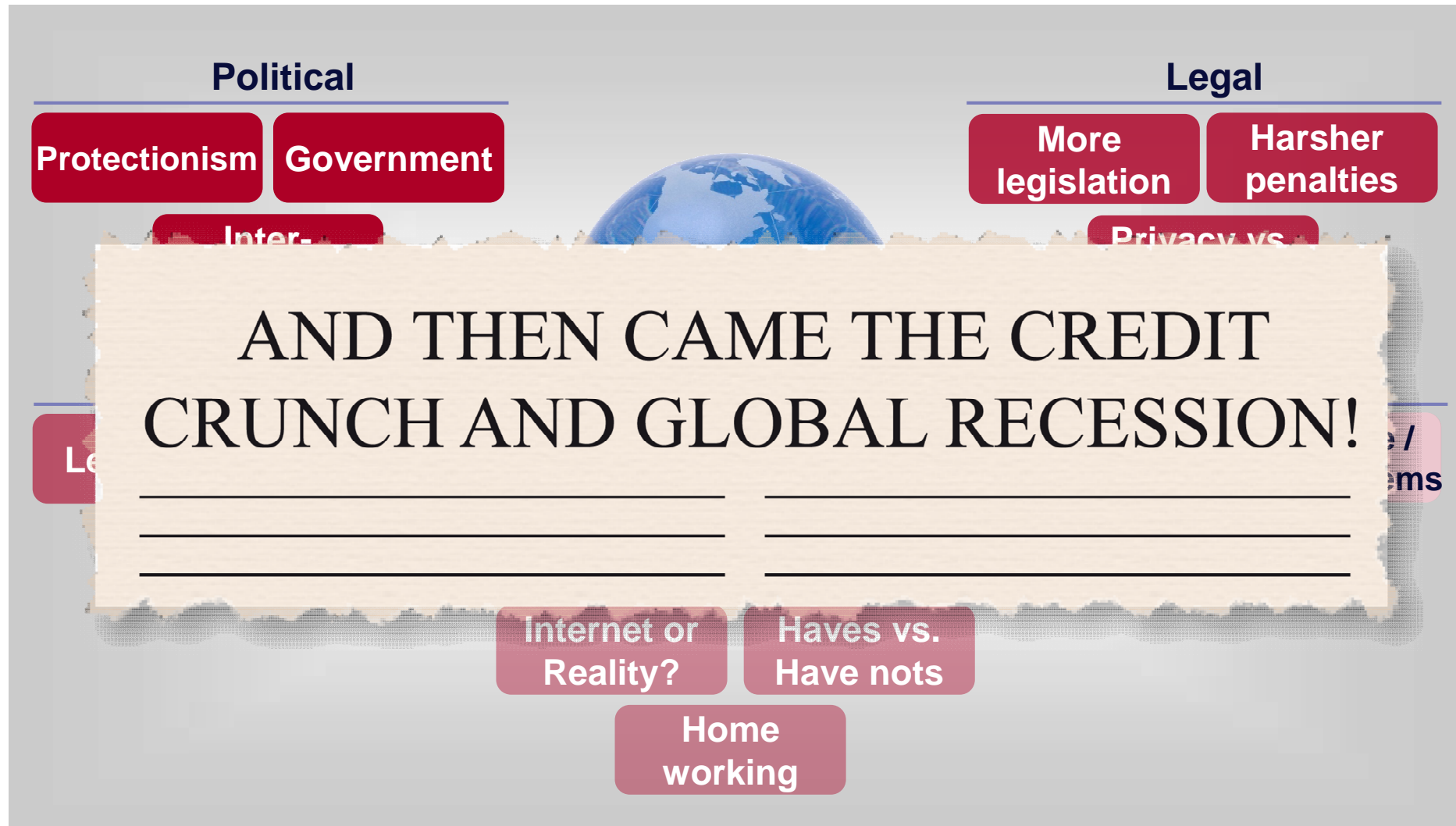
…and much more besides!

The downturn
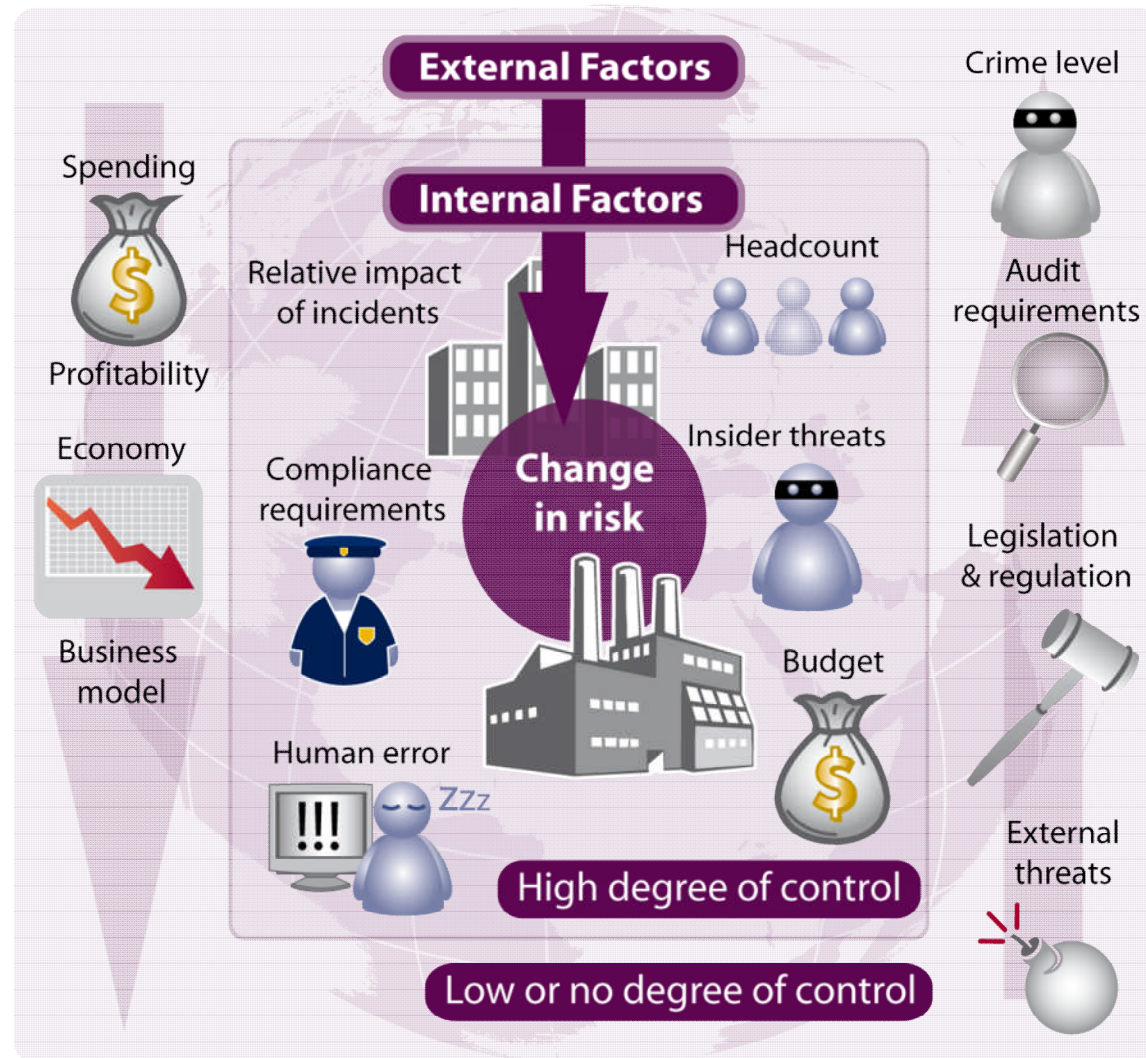
Challenge

Major drivers of change

- Social environment (demographics, attitudes, cultures)

- Business environment (activities, operations, markets)

- Economic environment (credit crunch, realignment of world economy, rise of China)

- Global environment (global warming, interconnectivity, competition for resources)

- Technological environment (cloud computing, nanotechnology, pervasiveness)

Possible future threats

Political

Protectionism Government

Inter-

Legal

More legislation Harsher penalties

Privacy vs

Le ms

AND THEN CAME THE CREDIT CRUNCH AND GLOBAL RECESSION!

Internet or Reality? Haves vs. Have nots

Home working

It's a new world…

The cloud

Solution?

What is cloud computing?

- The development and provision of computer services and resources across networks such as the Internet

- Characterised by customers not having control or detailed knowledge of the technology or resources that provide the services or resource – they purchase service outputs rather than inputs.

Characteristics of clouds

Service providers operate in the cloud (eg cloud seeding to produce rain) You receive the service, but may not know how (or from where) it's provided

You can't see what's in the cloud

Cloud computing is not for everyone – some people need more transparency (eg pilots)
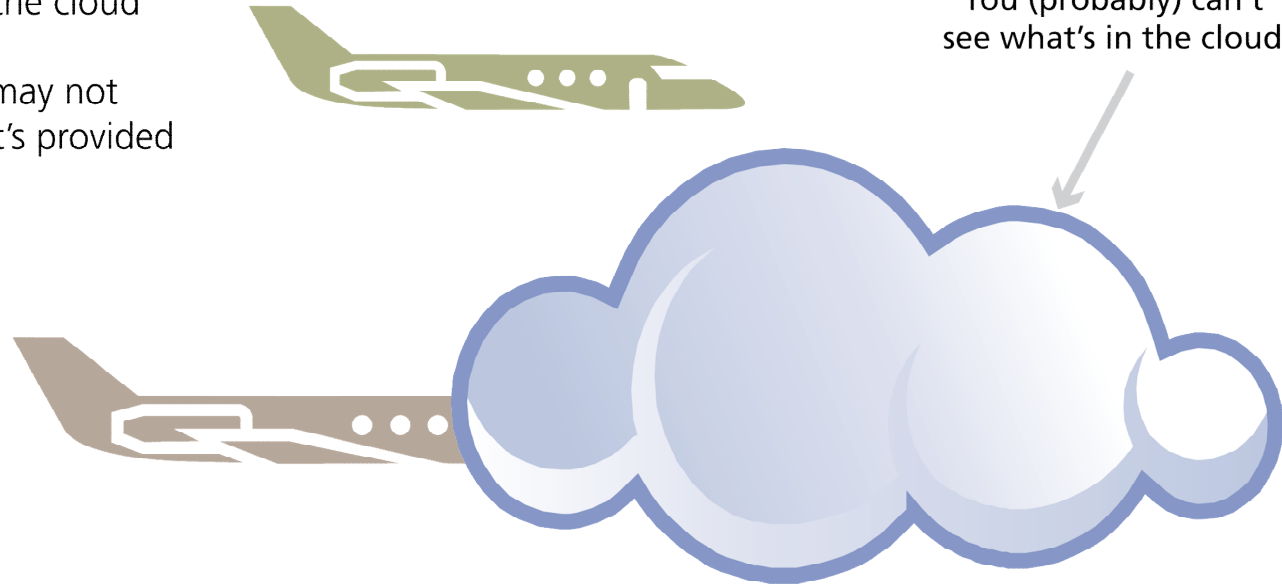
The cloud provides services:

Snow

Rain

Shade

Fog

Characteristics of cloud computing

Service providers operate in the cloud
(eg cloud email providers).
You receive the service, but may not
know how (or from where) it's provided

You (probably) can't
see what's in the cloud

Cloud computing is not for
everyone – some people
need more transparency
(eg financial services,
healthcare)

The cloud provides services:

Software   Storage   Infrastructure   Platform

Cloud computing exists at many levels

- Clients – Web browsers, thin clients, mobile phones (eg iPhone, Google Android)

- Services – Open ID, Google maps, Paypal

- Applications – Facebook, salesforce.com CRM

- Platforms – Force.com, Microsoft Azure, Web app frameworks (eg Ruby on Rails, Ajaz)

- Storage – Amazon Simple Storage, Microsoft Skydrive, Google big table datastore

- Infrastructure – Virtualisation and Grid computing (Sun Grids, GoGrid)

| Clients |
| Services |
| Application |
| Platform |
| Storage |
| Infrastructure |

Issues

- Managing access to your information

- Lack of transparency

- Operational incidents

- Suspicious activity

- Supplier viability (short and long term)

- The Gaps

Final thoughts…

- The downturn will impact information security

  - Whether through reduced headcount, investment or even innovation

- Organisations are looking to save costs

  - IT and related fields will have to take their share

- New (or re-packaged) technologies will be examined and adopted

  - Especially those that offer reduced investment, reduced through-life costs and value-add services

  - Cloud computing may be one such technology

- Understand the risks

  - Whether it's downturn or cloud computing

  - Prepare to manage your risks and those of the future

How the ISF can help – material

Managing Security in a Downturn Economy

Profit Driven Attacks

Insider Threats

Threat Horizon 2010

Effective approaches to managing a security function

Information security strategy

Examining the needs of CISO

RISE: role of information security in the enterprise

The Insider view

Questions?

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