



The Cost of Securely Delivering Privacy

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Agenda



Cyber Issues globally and unique to Canada

Privacy and cloud

The cost of delivering privacy



Cyber Issues globally and unique to Canada

- **Threat landscape is changing**
 - Professionalism of cybercrime industry
 - Motivation of threat actors very broad: financial, activism, state sponsored
 - Wide availability of tools to bypass basic security
- **The more connected the more vulnerable**
 - Homes, industrial control systems, remote workers, critical infrastructure
 - Organizations' primary desire is to connect, security is secondary
 - Purchasing Technology can create new vulnerabilities
- **New IT sourcing models are being implemented**
 - Large scale public cloud computing
 - Connectivity to clients, vendors, employees seen as key
- **Role of Canadian Government and the lack of 3P**



It's all about risk management

- Clients are keen to understand the risk to their organisation:
 - Strategic Risk
 - Financial Risk
 - Reputational Risk
 - IP Risk
 - Identity breach Risk
 - Regulatory Risk (SOX, Privacy Regs etc.)
 - Corporate Liability
 - Availability Risk
 - Hostile geo-political Risk

.....to understand the **possible risk** to my business (impact on profit, brand reputation) and how to **manage it**

There are four major categories of dealing with risk:

- Avoidance (eliminate, withdraw from or not become involved)
- Reduction (optimize – mitigate)
- Sharing (transfer – outsource or insure)
- Retention (accept and budget)

Enterprises and governments are being driven to the cloud...

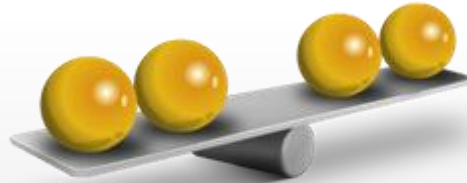
Key drivers

Cost



Pay for use
Transparency
Chargeback

Agility



Speed
Limitless
Currency

Access



Anywhere
Mobile
Collaboration

... however **security/privacy** still tops their concerns

Top inhibitors

Security / Privacy



Data sovereignty
Policy Controls

Business Case



Positive ROI

Maturity



Reliability
Performance DR

Cloud Delivery Platforms: All Clouds are not created equal

ENTERPRISE AND PUBLIC SECTOR IT BUYERS SEEK TO COMBINE THE SECURITY AND PERFORMANCE OF **PRIVATE CLOUD** WITH THE ECONOMICS AND FLEXIBILITY OF **PUBLIC CLOUD**

Public Cloud

- Internet based
- Massive multi-tenancy
- Small & Medium Business focus
- Best-effort reliability
- Standard feature set no customization

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Virtual Private Cloud (VPC)

- Hybrid model
- Private/VPN connectivity
- Trusted logical separation
- Enterprise relationship
- Vendor agnostic

















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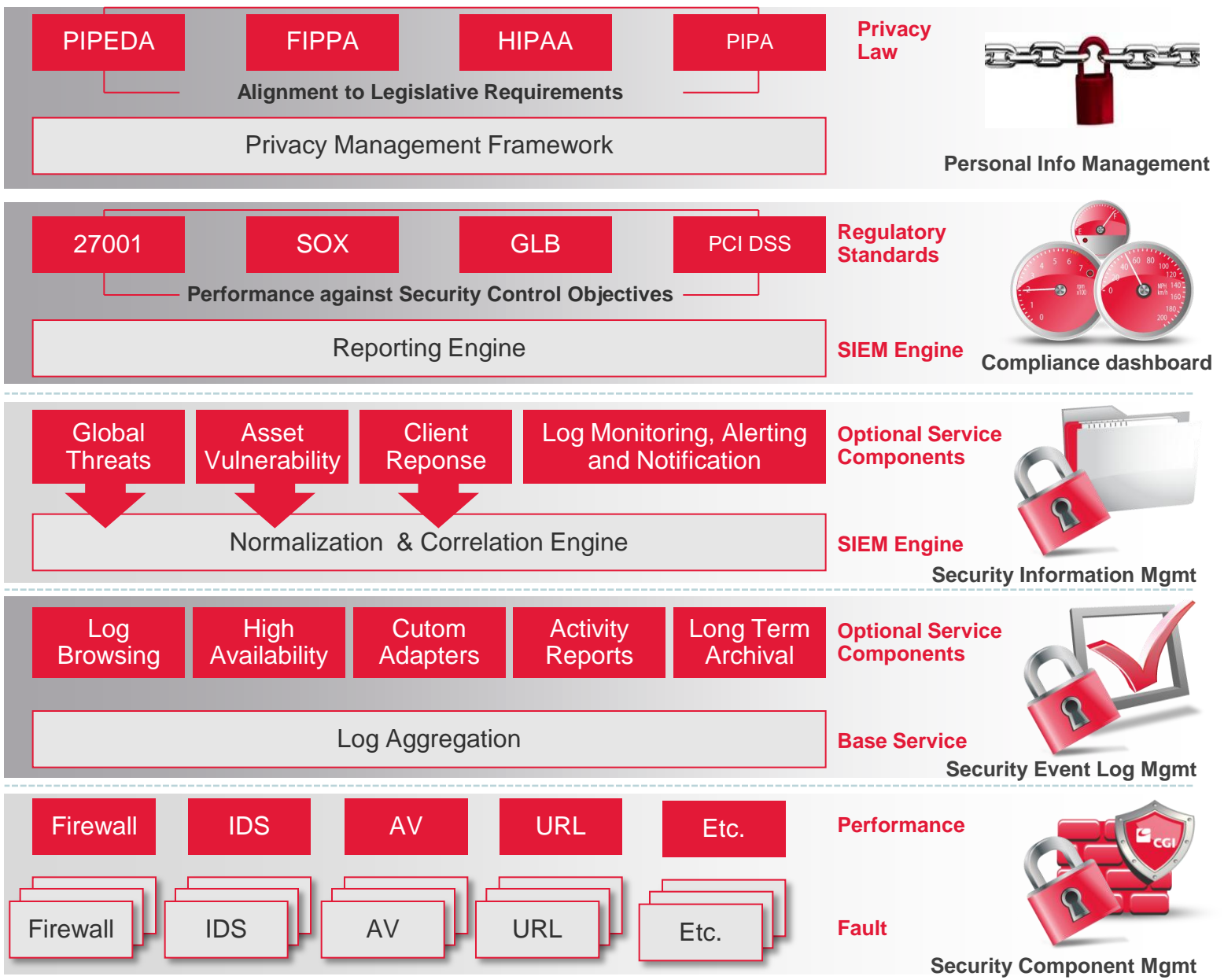
Private Cloud

- Single tenant
- Dedicated infrastructure
- On client premise or hosted
- Vendor agnostic

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Cloud Regional Adoption Maturity Rating & Trends

Country	Public Sector Maturity	Public Sector Hot-Spots	Comments
		Non-critical SaaS (i.e. HR, F&A)	Studying UK, US initiatives for best practice, limited uptake so far, strict data privacy laws
		Data center consolidation, interoperability, shared services	Few key initiatives so far, cloud not mentioned in Finland 2012-20 ICT strategy
		Private IaaS, shared platforms for e-service delivery, disaster recovery	Activity limited until recently, major initiatives emerging & growing fast
		Private cloud data center services	Strong captive data center services 'market' in the German public sector
		Private cloud for shared platforms, SaaS for back office apps	Cloud part of the 'iStrategy', central bank approves AWS use by banks
		Community cloud (in local government), SaaS (non-critical)	Part of the government's 'Digital Agenda', but tough data regulations
		IaaS shared services, SaaS (F&A, HR, CRM), BaaS (back office), collaboration	Cloud first policy is driving uptake, G-Cloud the 'shop window'
		SaaS (esp. collaboration), IaaS (including public), data center consolidation	Cloud first policy driving uptake, FedRAMP too for private IaaS



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Thank You

