Business Context: Key for Successful Risk Management

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Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
		1	2	3	4	5	
6	7	8	9	10	11	12	
13	14	15	16	17	18	19	
20	21	22	23	24	25	26	
27	28	29	30				

96% of attacks were not highly difficult

99% of breaches led to compromise within "days" or less & 85% took weeks or more to discover

63% of recommended preventative measures are "simple & cheap"

97% of breaches were avoidable through simple or intermediate controls

96% of victims subject to PCI DSS had not achieved compliance

Overload of Threat Information

Internal Threat Sources









Vulnerability Management Assessments



Security, Risk & **Compliance Operations**



External Threat Sources















Where are the most critical exposures?







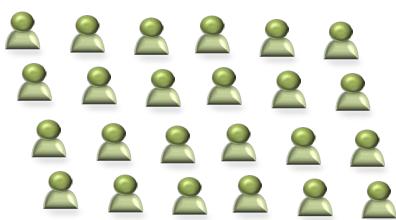




7 Years ago & Today



Risk, Security & Compliance Teams

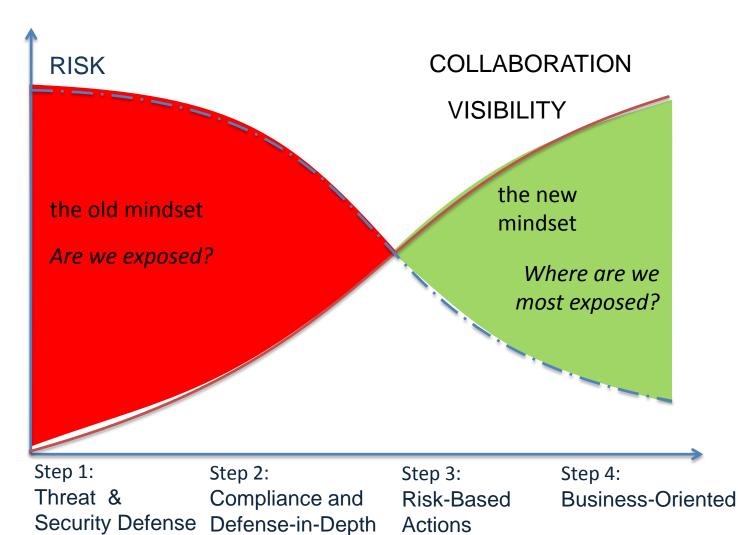


REGULATORS





Striving for a Better Approach





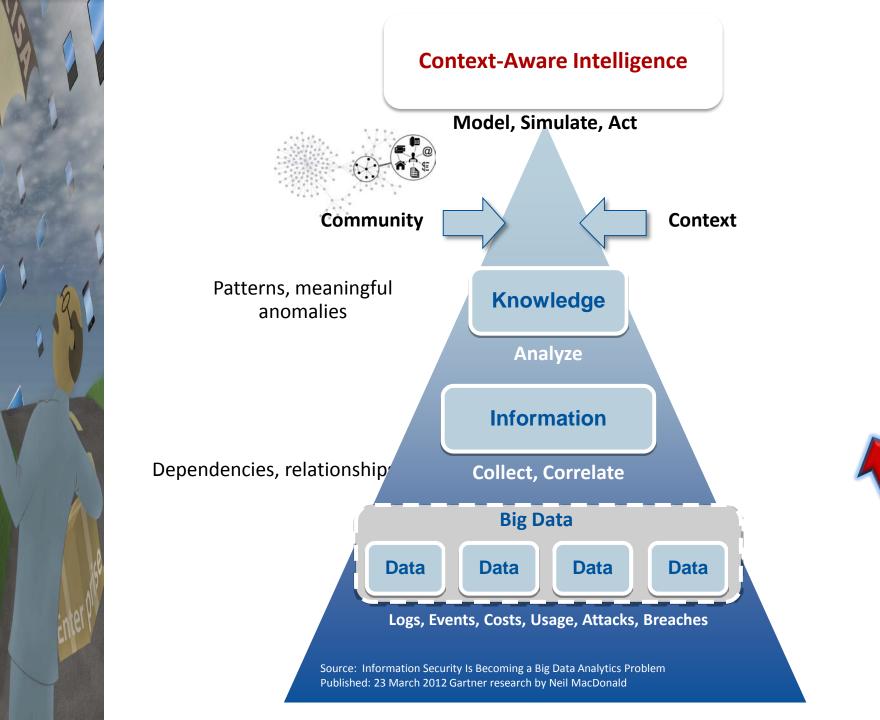
The Case for Risk-Based Business Context



"We must distill down vast amounts of data into security intelligence — prioritized, actionable insight. To prioritize actions, there must be linkages to the business value of the assets and an improved understanding of the risk they represent."

- Gartner

Source: Information Security Is Becoming a Big Data Analytics Problem Published: 23 March 2012 Gartner research by Neil MacDonald



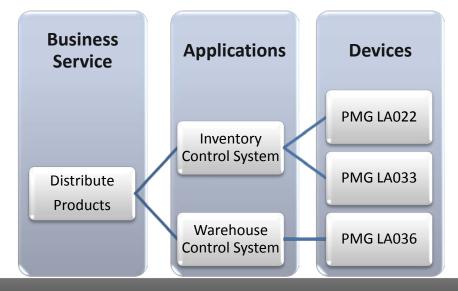




Capturing Relationships

How?

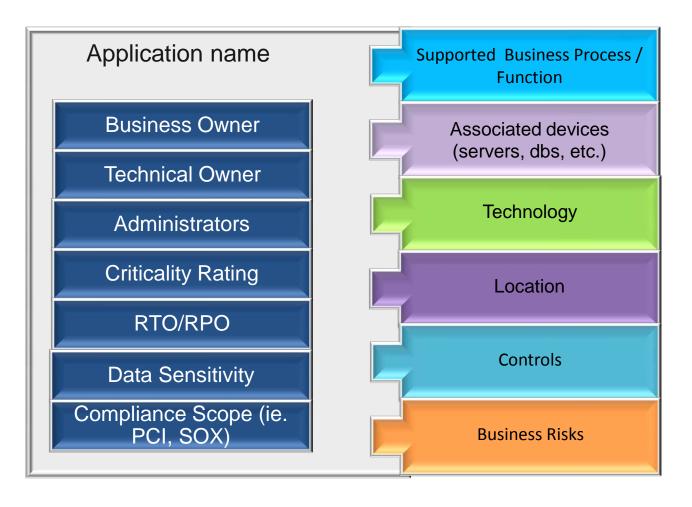
- CMDBs
- **❖** BPM
- GRC platforms



Froducts & services b	y Kisk Kating							l Obtions :	
Drag a column name here to group the items by the values within that column.									
Product/Service Name ▲	Category	Description	Business Unit	Division/Office	Customer Impacting	Risk Rating	Applications	Devices	
Archer eGRC Platform	External	The Archer eGRC Platform provides a simple yet powerful way to design, build and manage applications that can evolve right along with your business. You can create your own enterprise-class, security-assured applications, package them into comprehensive solutions and deploy them in a way that works for your organization.	North American IT Shared Services	Americas Services Division	No		Archer SmartSuite Framework	EFILSRV022 ELA001 ELAP006 ELAP007	
<u>Distribute Products</u>	Internal	Shipping of products from warehouse to POS locations.	EMEA Shared Services South American Services	Asia Pac Southern Rim	Yes		Inventory Control System Warehouse Control System	PMG LA022 PMG LA033 PMG LA036	
On Demand Application Development	External	Development of On Demand applications within the Archer SmartSuite Framework.	North American Human Resources		No		Archer SmartSuite Framework	FILSRV006 FILSRV007 FILSRV013	
Respond to Customer Requests	External	This service ensures customer satisfaction.	<u>Saskatchewan</u>	Americas Services Division	Yes		Customer Self-Service Website Customer Service Center Customer Support Platform	APPSRV003 DBSRV002 DPC001	
Risk and Compliance Management	Internal	Identifies risks and tracks their mitigation and resolution by automating the creation and delivery of targeted risk assessment campaigns.	North American IT Shared Services	U.S. Domestic Operations	§ No		Archer SmartSuite Framework	APPSERV002 APPSRV002	
Sales Support & Business Development	Internal	This service oversees the overall sales support and business development programs for this company, including marketing and sales to R&D and long-term business strategies.	South American Services	U.S. Domestic Operations	§ Yes		Customer Relationship Management (CRM)		



Putting Context together = Better Picture



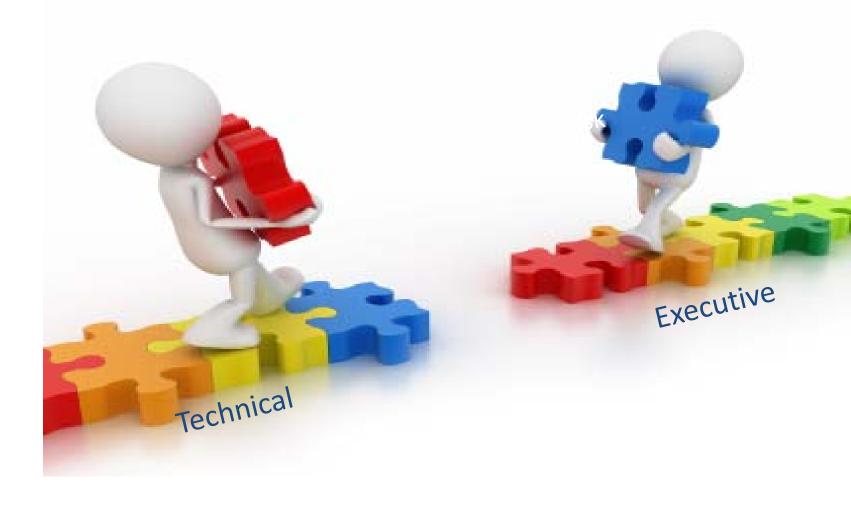
Context is an essential ingredient



Prioritized Risk Treatment Response

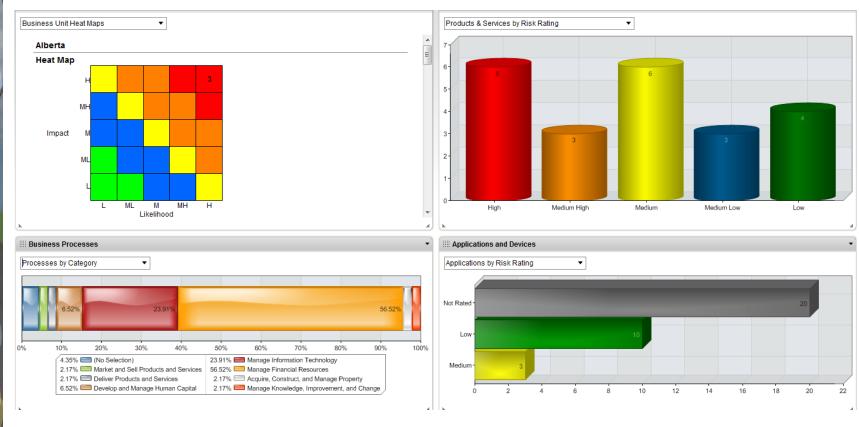


Building the Risk Communication Bridge





Use Context for a Top Down Risk Management Approach

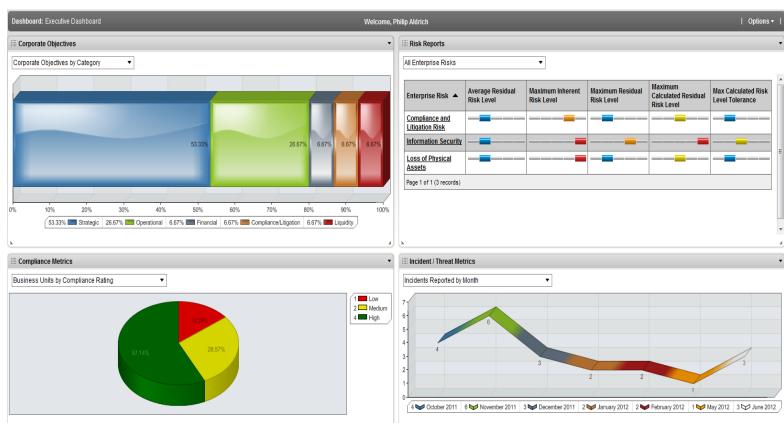


KRI's & KPI's to measure impact against: Business Strategy, Risk Register, Critical Assets, and Compliance requirements



Dashboards focused on Critical Business Impact

Incidents involving Tier 1, Critical Assets, must be mapped to Tier 1 SLA responses

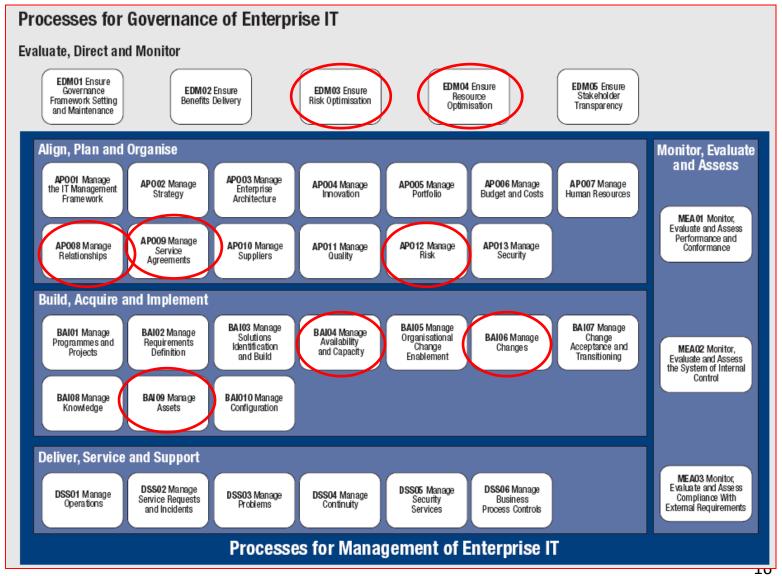


Organizational control environment People **Policy** Tier 2 Tier 3

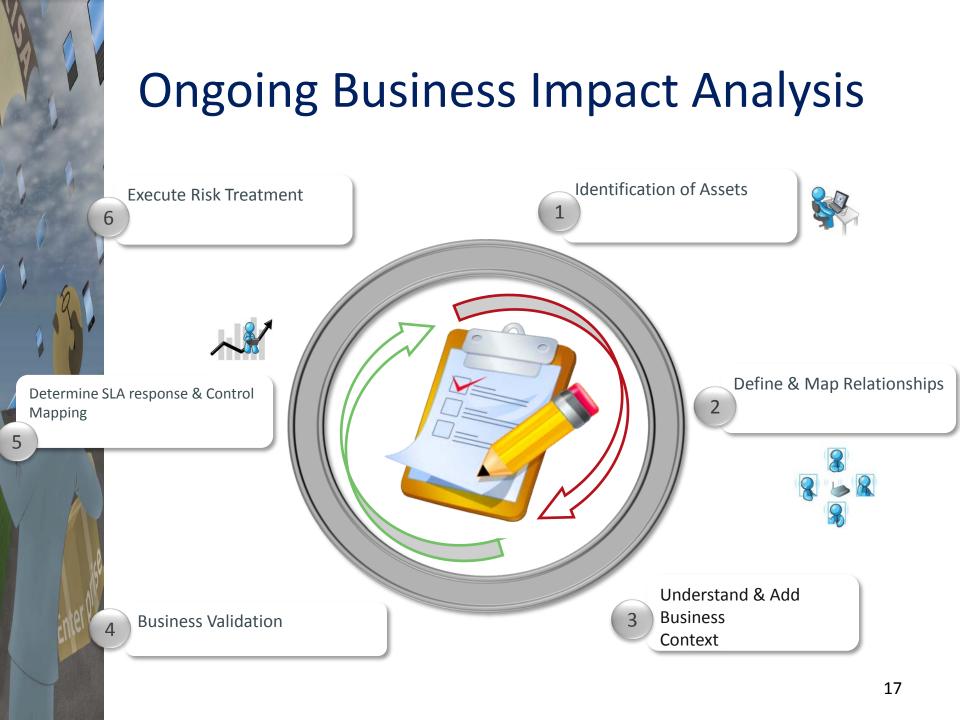
Process



Business Context is a critical function in COBIT 5



Source: COBIT 5, figure 16 ISACA





Bringing it together: Executing the plan

- 1. Know your Assets
 - o Identify & consolidate your CMDBs, repositories, etc. into 1 risk view
- 2. Identify Business Relationships
 - Capture interdependencies b/w assets, processes, data
- 3. Verify Business Criticality with Business Owners
 - Send periodic surveys to align business with IT
- 4. Tier Assets based on Criticality
- 5. Organize your control environment to business criticality
- 6. Monitor, Test & Validate
 - Create Dashboards focused on Critical Assets → FOCUS!

Infrastructure Metrics								
Business Unit Asset Distribution ▼								
Business Unit 🔺	Total Products & Services	Total Processes	Compliance Rating	Residual Risk	Total Applications	Total Devices	Total Information Assets	Total Facilities
<u>Alberta</u>	0	0			0	0	0	0
Asia Pac Shared services	0	1			0	13	1	0
EMEA Shared Services	3	7			8	21	0	0
North American Human Resources	2	1			0	1	0	0
North American IT Shared Services	5	8			7	54	1	1



THANK YOU!