



Business Process and Security Management

- Webinar presentation

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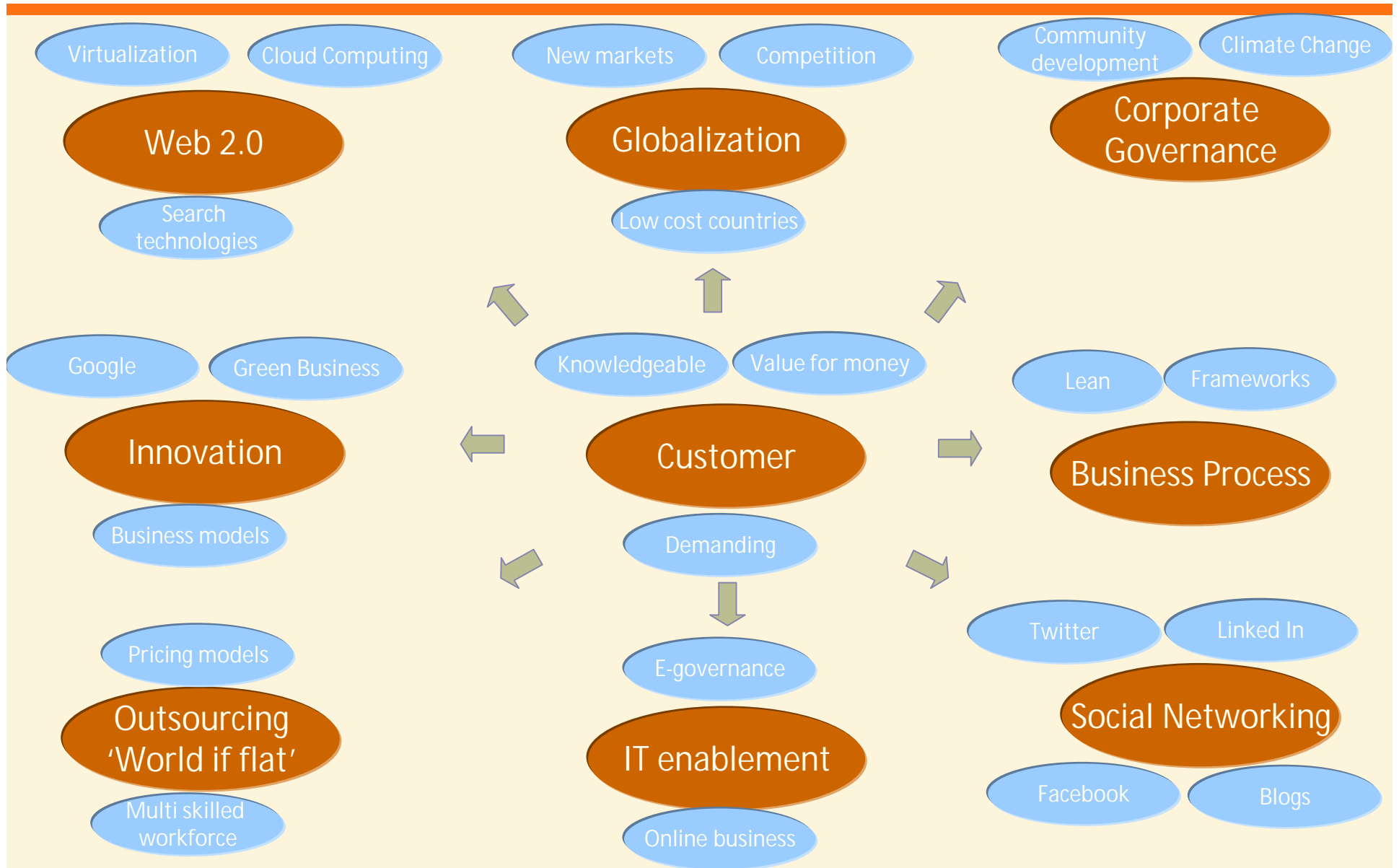
Presented by
- Balaji OS

Agenda

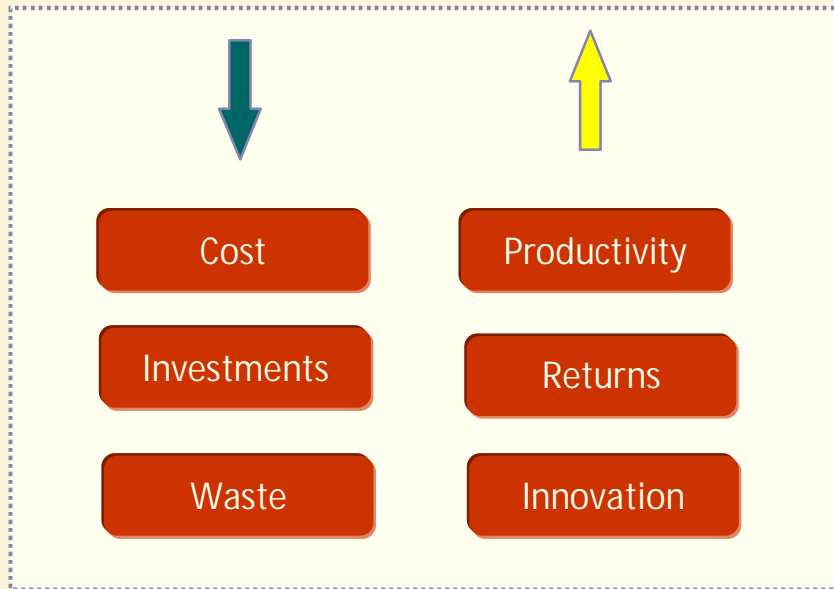


- Security and Business Strategy
- Security considerations
- Security in Business Processes
- Key Metrics

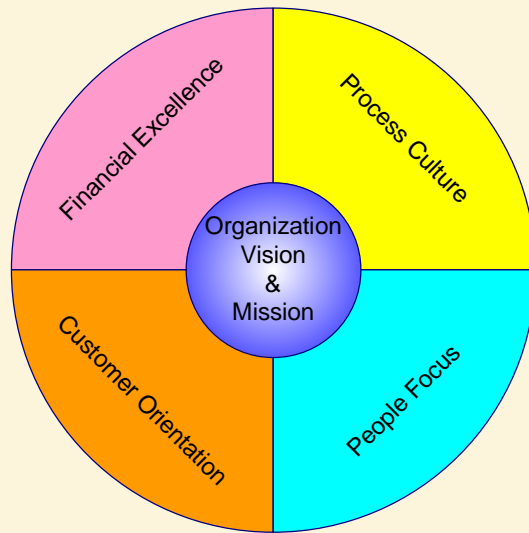
Business today..



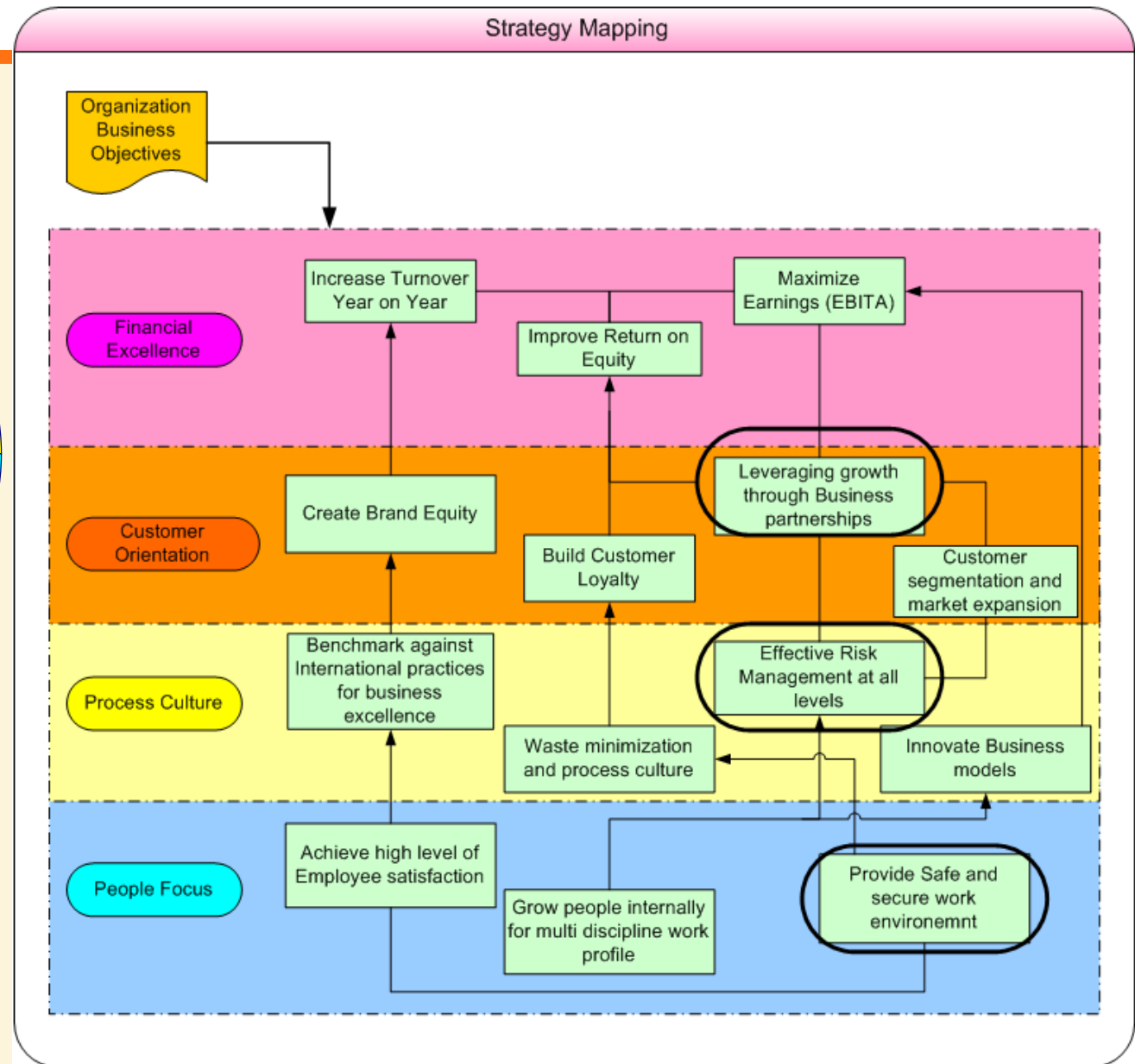
Management Priorities



Security as an integral part of Business Strategy



Sample strategy map of a Retail organization



Key questions to focus



- How will the security policies and procedures cover our business risks ?
- How to ensure that we don't get penalized for breaching any contractual obligations ?
- Will security program address our compliance requirements ?
- Are the employees aware of the importance of running business in an secure environment ?
- How do we ensure the products we develop are secure to the customer's business and end users ?
- Can we think through on the risks that we face in business at all levels ?
- How do we integrate security as a critical component in our business processes ?
- What is the return on investment on security initiatives ?
- Do we have plans for business continuity ?

list goes on.....

Security considerations



Strategic/Tactical

Business Continuity

Disaster Recovery

Vendor / Third party
assessment

Compliance
(SOX,Basel,HIPAA)

Information Security
infrastructure (ISO 27001)

Business Risk Management

Operational

Transaction security

Secure Software
development

Threat Modeling

Vulnerability assessment
And Penetration testing

Asset Management

Need for strong alignment of Security strategy as part of overall Business Strategy

Security as a 'Sine qua non'



Few years back

Today

Good to have

Must have

Value – add for business and can be a competitive advantage

Need secure infrastructure to survive and grow

Security – a support function

Security – a core function

Security aspects can be outsourced

Better manage security with internal resources

Security tools are expensive and we can live without them

Security tools are an investment and lets look at their ROI

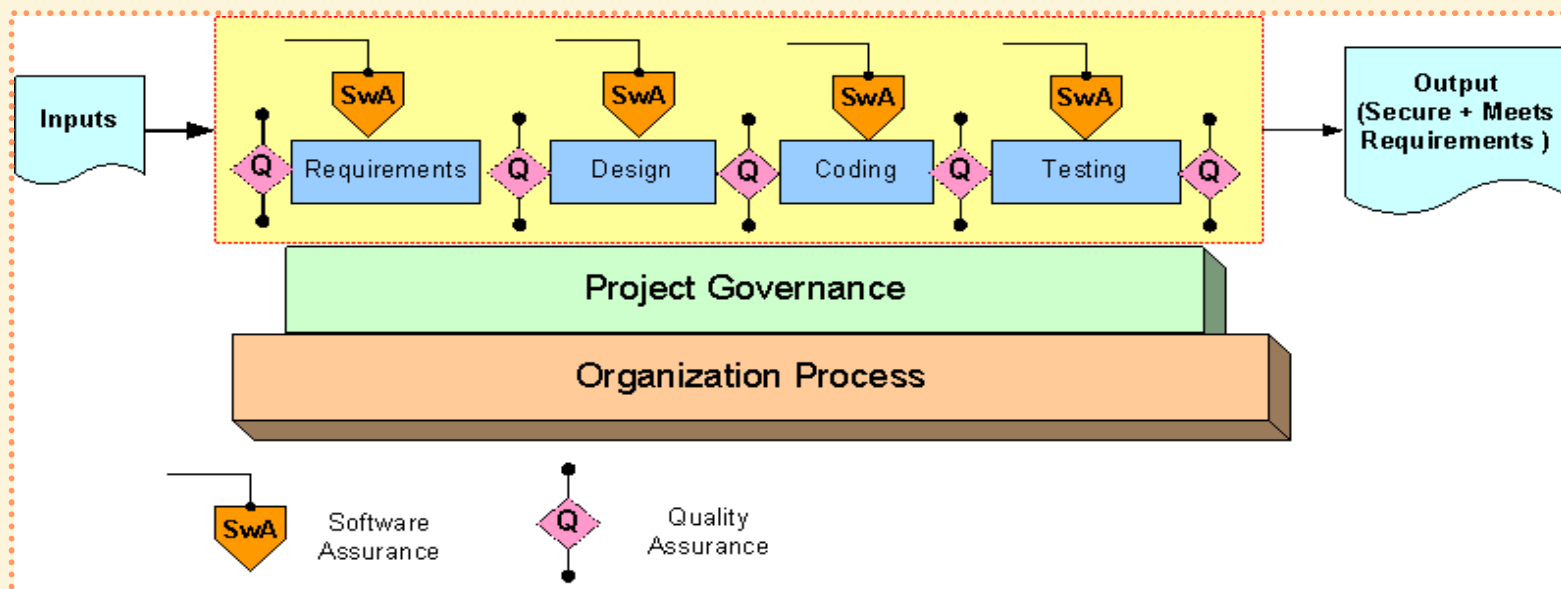
Case in point : Software Development



SOFTWARE ASSURANCE :

Software Assurance (SwA) defined as set of activities primarily aimed at delivering products that are free from vulnerabilities and meets the intended requirements

SwA as process in software delivery organization





Security as an integral part of Software development process :

- Security in requirements process
- Threat Modeling
- Writing Assurance cases
- Secure coding
- Application audits
- Testing
- Security in service environment
- Business Continuity
- Disaster recovery
- Data Management

Security in few business processes



Business Domain	Business Process	Security as an integral feature (Examples)
Banking	Online Banking transaction	-Transaction security - User authentication
	Account details management	- Data Security - Secure information transfer
Retail	Product pricing	- Setting up price in system - Product code registration - Discount sales invoicing
	Inventory	- Stock taking systems - Shrinkage detection
Government Services	Records maintenance	- Data archival and retrieval
Hospital	Patient history	- Past medical history - Medicine dosage
Supply chain	Product movement	-Product tagging , storage and tracking
Feed / Food Manufacturing	Product mix formulation	-Product mix controls - Product handling controls



Direct

- Reduction in payment of penalties
- Reduction in charges due to contractual breaches
- Reduction in rework due to secure processes
- Increase in productivity
- Renewed business contracts
- Reduced Risk reserves
- ROI from tools
- Others

Indirect

- Improved customer satisfaction
- Increase in Brand Equity
- Improvement in competency of resources from training and implementation
- Improved employee morale
- Others

Measure both direct and indirect returns to realize the true value of security programs

Conclusion



- Align security strategy strongly with business strategy
- Make security objectives part of business /departmental objectives
- Evaluate security programs with a clear business case
- Establish a measurement program to monitor the returns on security initiatives
- Develop and deploy secure business processes
- Proactively look for security aspects in business processes
- Leverage tools appropriately
- Invest in people – Train ,Train, Train !
- Communicate your security commitment to stakeholders



Thank You

You can reach me at

osbalaji@gmail.com

<http://osbalaji.blogspot.com>

<http://www.linkedin.com/pub/balaji-os/1/11a/661>

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