Information Security Management

ITILv3 Foundations

http://www.jasondion.com

Information Security Management

- Aligns IT security with business security and to ensure the IT security aspects match agreed-upon needs of the business

- Protects IT assets and services from security threats

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Key Actions

- Fits into the organizations larger security management efforts
- Develops and manages the IT Security Policy for the organization
  - Feeds the Access Management process that occurs during Service Operations

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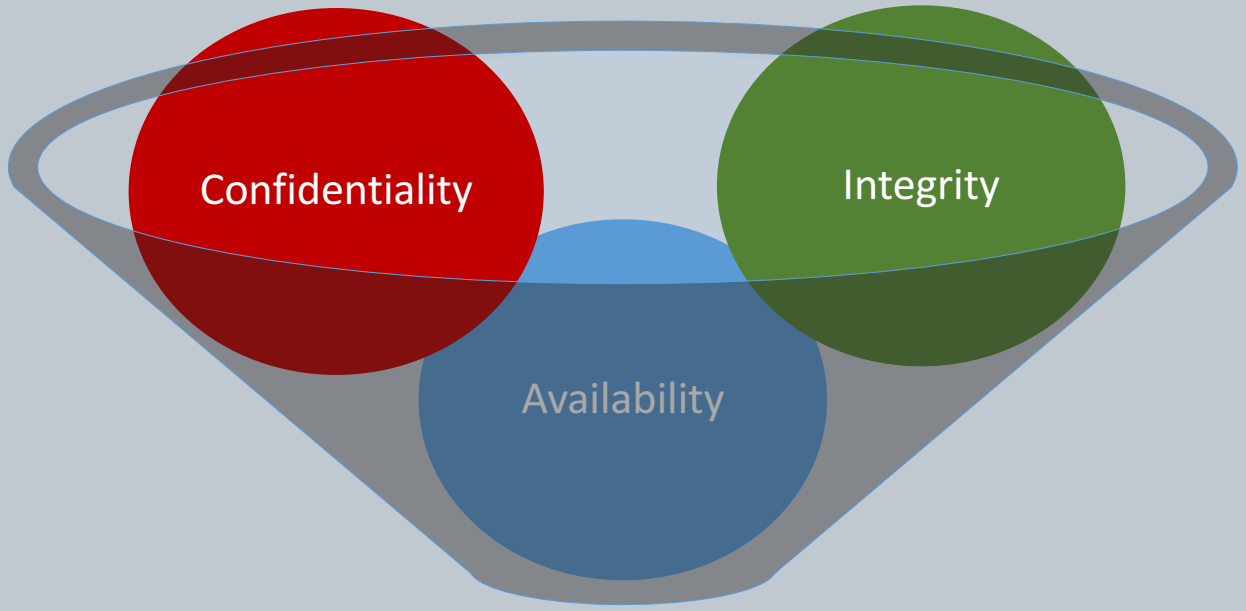
Components of Security (CIA)



Information Systems Security,
Data and Services

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Aspects of the CIA Triad

- Confidentiality
  - Ensuring only those with a ”need to know” can access the data
- Integrity
  - Data and services are complete and accurate
- Availability
  - Ensures the customer actually access the data they are authorized to access

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Two More Aspects to Security…

- Authenticity
  - Ensures that the actions and identities of those making them are authentic
- Non-Repudiation
  - Ensures that when an action is made, the person who made it cannot claim they didn't do it

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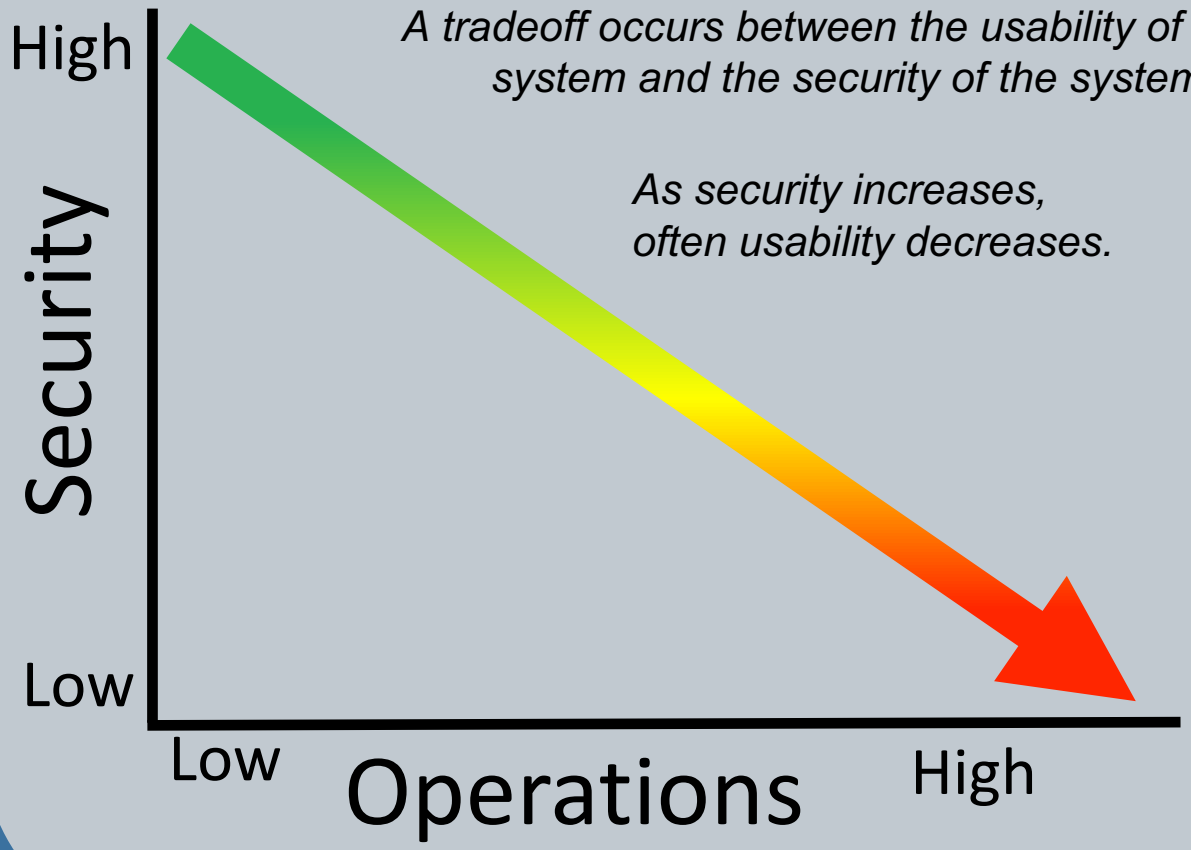
Security versus Operations



A tradeoff occurs between the usability of a system and the security of the system.

As security increases, often usability decreases.

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Bottom Line…

- You can outsource a service, but not the responsibility for it…
- If you outsource things to a third party, ensure the contract specifies they are still responsible for following your IT Security policies
- ISO 27000 is the international standard for Information Security Management

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