



New Trends and Challenges in Computer Network Security

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- # 1 Technology Trend
 - ❖ Cloud Computing
- # 1 Organizational Trend
 - ❖ Enterprise Information Technology (IT) evolves from technology centric to business centric
- # 1 Information Trend
 - ❖ Speed: increasing
 - ❖ Volume: increasing
 - ❖ Quality: reducing
 - ❖ Social: increasing

- Automation
 - ❖ Get the system/security administrator/analyst out of the loop
 - ❖ Mission-awareness built into the IT infrastructure
- Agility
 - ❖ Deployment and evolution of secure services in minutes not weeks or months
 - ❖ Robust, usable foundational mechanisms, e.g., federated identity management
- Enablement
 - ❖ Security that solves the real problem rather than mindless compliance
 - ❖ Empower the end user to help figure this out