Some DHS/S&T perspective on Cyber resilience

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October 16, 2018

Homeland Security

Science and Technology

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Resilience

- Business more than a security perspective
- Systemic, creative, adaptive
- Prioritization
- Digital hygiene, and act to reduce chaos
- Evaluating systems connections
- Get into the data loop
- Common language, metrics and risk
- Play games, exercises, what-if
- Lead the organization towards resilience

Major areas of challenge

- Mobile systems and infrastructure and IoT
- Software complexity/quality
- Data and Information systems and flows
- Privacy engineering
- Testing and evaluation and exploration
- Operations and learning and education
- Probability and most likely/most dangerous
- Complicated, complexity and change dynamics
- “Democratizing Innovation” (Eric von Hippel)