

# Mutual Monitoring Update

Final Report

A.J. Stein

OMS Cybersecurity Masters Practicum

Georgia Institute of Technology

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# The Problem

- Cloud computing infrastructure is essentially ubiquitous.
- Cloud service providers must cater to customers, especially regulated ones.
- A major barrier is ongoing evaluation of the provider's cybersecurity posture.
- The results are often centralized bureaucracies.

## The Problem

- Are these bureaucracies the right way?
- Are they the only way?
- Who watches the watchers?



TM

FedRAMP

# The Solution

- Analyze FedRAMP ConMon's strengths and weaknesses.
- Design an alternative model.
  - Stakeholders mutually monitor each other with transparency services.
  - Forgo control-driven assessment, focus measurable security properties.
  - Use a simple quantitative framework for measuring properties.
- Do not authorize, do not score, **only measure *each other***.

# Feedback

- You can provide feedback in multiple ways.
- Post in the class discussion board in Canvas.
- Open issues in my GitHub repo at [github.com/aj-stein/practicum/issues](https://github.com/aj-stein/practicum/issues).



# Conclusion

Et fin.

(Find me on the Internet if you want to learn more.)