Who is ResearchSOC?

Project leadership

Project liaison

Virtual Security Teams & CISO Advisory Services

REN-ISAC Threat intelligence

OmniSOC 24x7x365 Eyes on Glass SOC

INDIANA UNIVERSITY

UC San Diego

Training for Higher Ed infosec

Pittsburgh Supercomputing Center

Vulnerability scanning

Duke University

STINGAR decoy computers (honeypots)
ResearchSOC Objectives

Focus on operations & services

- Operational services for NSF Science Cyberinfrastructure
- Threat Intelligence Network and Communities of Practice
- Enabling cybersecurity research
- Outreach to Higher Ed Infosec Professionals
The strategy

1. Learn about researchers’ needs for data and tools
2. Build a secure environment to access data
3. Curate and organize heterogeneous data
4. Create awareness of the data and its potential
ResearchSOC timeline

2019
- Project start
  - Development of tech and contracts
  - Outreach to researchers

2020
- Beta testing
  - Training

2021
- Standard and custom access
What we’re learning

- Many researchers build their own prototypes / simulations to collect data
- Some public datasets exist, but their timeliness, scope and quality vary
- There is an interest in real-world operational data
- Data is useful for both research and education
- Machine learning is common as a method and an application
- Python is a tool of choice
Interested in talking about your data needs? Please reach out!

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