

Who am I?

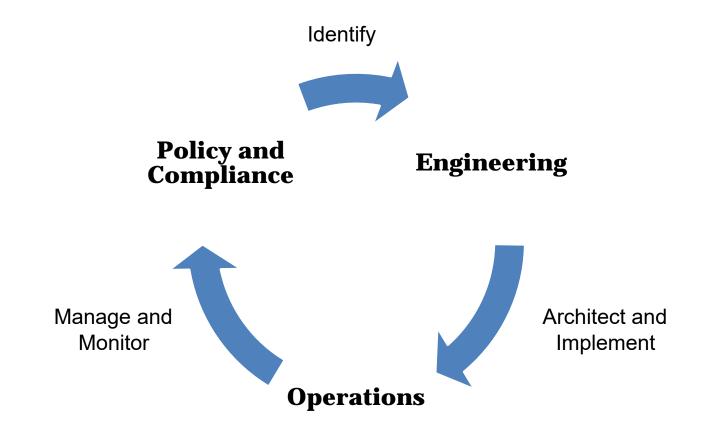
Brian Pasquini

- Assistant Director of Information Security
- Interim CISO
- Some guy who learned from mistakes

Security Team

- Policy and Compliance
- Engineering
- Operations

Interaction



Mindset

- Confidentiality
- Integrity
- Availability

RESEARCHERS WANT TO RESEARCH

Comparison

Enterprise

- Project Manager
- Detailed Budget
- Hard Requirements
- Mostly Technical

Research

- PI
- General Budget
- Soft Requirements
- Mostly Non-Technical

Define the WHAT

Map Data Flow

- Source
- Transfer
- Storage
- Compute
- Publish

Define the WHO

- Researcher
- Systems
- Network
- Security
- Applications

Define the HOW

Centralize Authentication

- Active Directory
- LDAP
- RADIUS

Multifactor

- Duo
- Deepnet

Single Sign On

• Shibboleth

Log Centralization

- Hadoop
- Syslog Cluster

WHERE do I capture all of this?

System Security Plan (SSP)

Tips

- Set Expectations
- Clearly Layout Processes
- Understand Timelines
- Expect to Educate AND Learn

Work in progress and making mistakes

Security Metrics

- Automatic
- Available
- Actionable

