

Breakout discussions

- **Data Integrity issues**
Help the user protect their data
- **Idea to provide a sandbox environment**
Sandbox provides the appropriate security
- **Anomaly Detection**
Need automated, intelligent tool to detect anomalies in users, jobs/processes and services
- **Incident Response**
Need better coordination and sharing (tools?)

Data Integrity

- **Data Integrity issues**
 - In file systems
 - In archival systems
 - In data transit
- **Expected at exascale that true cryptographic methods must be used**

This is expensive computationally

Sandbox

- **Idea to provide a sandbox environment**
- **Need sandbox policies to be articulated**
- **Need standard schema of threat models**
- **Need vocabulary of security controls**
- **Need the sandbox technology**
 - **System could be C&A moderate and could provide moderate and low sandboxes**
 - **Filters**
 - **Access control**
 - **Definition of virtual org “end points”**
- **Does VM work here?**

Anomaly Detection

- **Need automated, intelligent tool to detect anomalies in users, jobs/processes and services**
- **Tool should not replicate (log) data but use it in place**
- **Intelligent index agent**
- **Intelligent search agent**
- **Detection anomalous user, process, application and service behavior**

Incident Response

- **Need better coordination and sharing tools for**
 - **Communication/message passing**
 - **Information sharing**
 - **encryption**