



12th Annual Insider Risk Management Symposium

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**Carnegie
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What's New from the SEI in Insider Risk

Bob Ditmore

Team Lead, Insider Risk

Carnegie Mellon University Software
Engineering Institute

Recent Publications

- Aggregate Indicator Measurement Method Characterization
<https://insights.sei.cmu.edu/library/aggregate-indicator-measurement-method-characterization/>
- Insider Threat Indicator Cost Matrix
<https://insights.sei.cmu.edu/library/insider-threat-indicator-cost-matrix/>
- Developing Insider Risk Metrics from Host-Based Monitoring
<https://insights.sei.cmu.edu/library/developing-insider-risk-metrics-from-host-based-monitoring/>
- The Processes of Insider Threat Analysis
<https://insights.sei.cmu.edu/library/the-processes-of-insider-threat-analysis/>
- Practical Supervised Machine Learning Classification of Highly Imbalanced Text
<https://insights.sei.cmu.edu/library/practical-supervised-machine-learning-classification-of-highly-imbalanced-text/>
- Leveraging LLMs for Data Coding
<https://insights.sei.cmu.edu/library/leveraging-llms-for-data-coding/>
- Dangers of AI for Insider Risk Evaluation (DARE)
<https://insights.sei.cmu.edu/library/dangers-of-ai-for-insider-risk-evaluation-dare/>



Case / Incident Management Standardization

- Actively supporting requirements elicitation and technical evaluation efforts for insider case / incident management systems
- Refreshed tech stack used internally to collect and analyze incident data
- Public release of Insider Incident Data Expression Standard
- Adoption by vendor community



<https://github.com/cmu-sei/IIDES>

<https://github.com/cmu-sei/PyIIDES>

AI: Insiders Are No Longer Just Humans

- Establish boundaries for human-machine teams in insider risk analysis
- Build threat models from incident data



ASPIRE

- Asset Scoping and Prioritization for Insider Risk Environments
- Supports new IRMPs with establishing program scope and fosters enterprise-wide collaboration
- Supports maturing IRMPs with modifying the scope of their programs (different networks, endpoints, use cases, workforce populations)
- Coming soon: public release of ASPIRE framework



Open-Source Releases for ITVA, ITPE

Available online:

- ITVA: <https://resources.sei.cmu.edu/library/asset-view.cfm?assetid=983683>
- ITPE: <https://resources.sei.cmu.edu/library/asset-view.cfm?assetid=983664>

Released materials include:

- Capability and indicator workbooks
- Process documentation
- Sample briefings for planning, execution, and reporting of assessment findings

Community feedback is welcomed and appreciated!

Insider Risk Management: Measures of Effectiveness

- Training on how to conduct [ITVAs](#), [ITPEs](#), and [IRMPEs](#)
- Frameworks for developing custom measures and metrics
- Next offering: Oct. 28-30 (live online)
 - For details, see:
<https://www.sei.cmu.edu/education-outreach/courses/course.cfm?courseCode=P148>



Questions



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