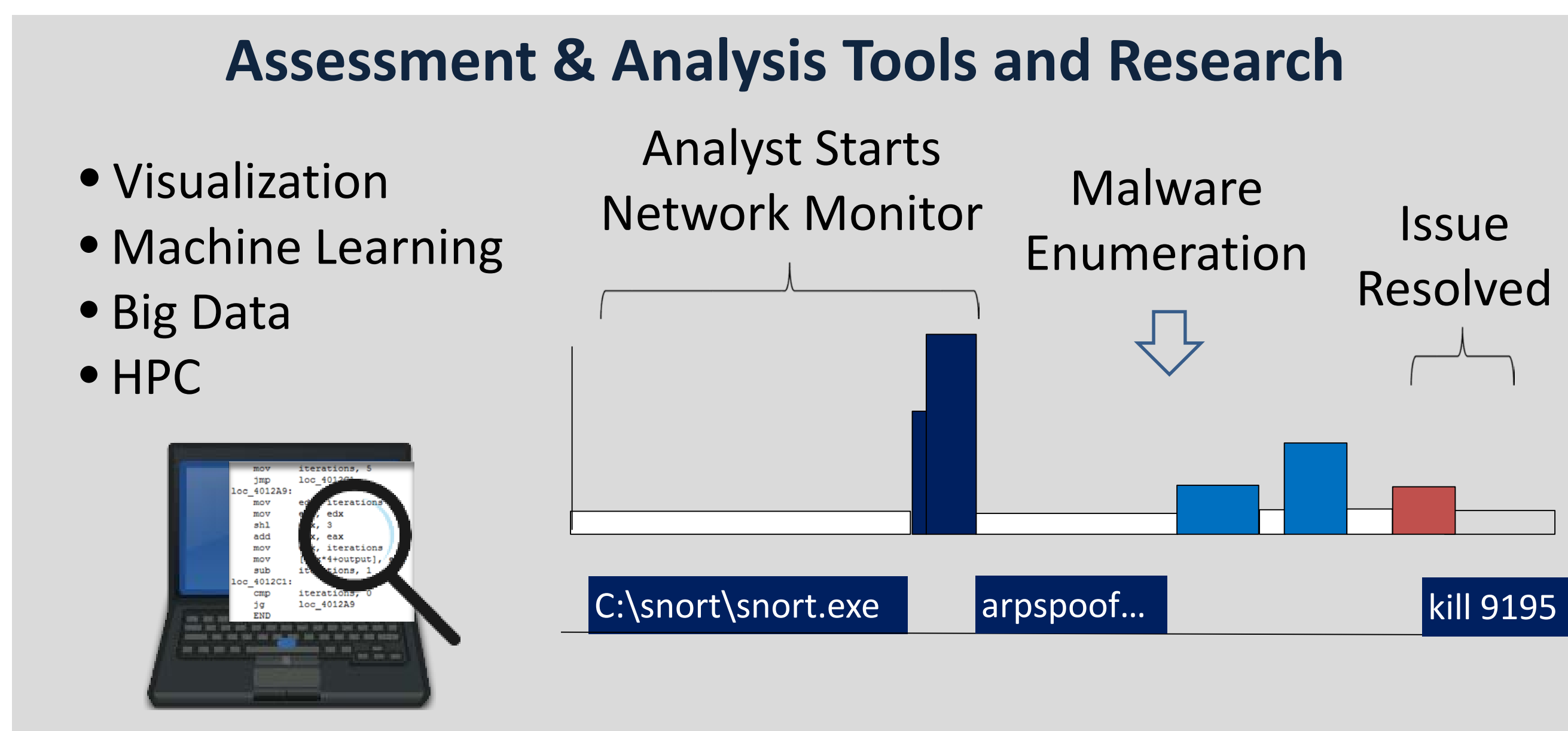


S&T Campaign: Assessment and Analysis
Developing Tools, Techniques, and Methodologies
Cyber SLV

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Background

- Cyber threats emphasize need for collaboration among cyber analysts to develop innovative cyber assessment and defense strategies
- Empirical research from the “analyst” perspective must be included and is currently limited



Concept of Operation

- Develop collaborative hands-on workshops focused on cyber forensics, advancement of fundamental theory, models, and algorithms for cybersecurity community
- Collect and analyze analyst-centric data during workshops to include screenshots, mouse clicks, system calls and tool interaction
- Establish a collaborative network to enable collection and sharing of datasets and methodologies with partners

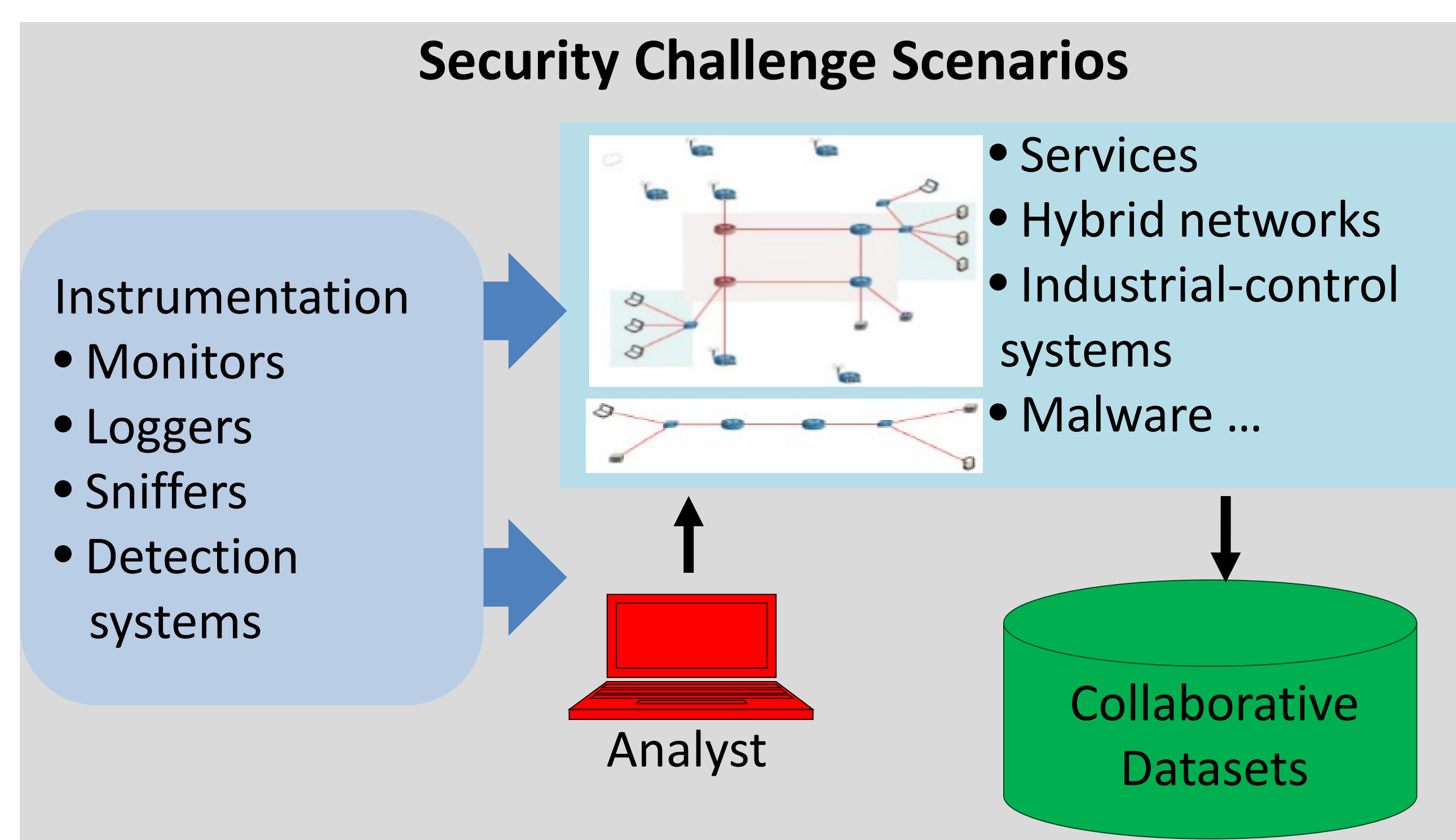
Participants

- Open to all government, academia, and industry with interest in cybersecurity assessment and analysis



Collaborative Focus

- Target cybersecurity research problems by leveraging empirical data from the analyst viewpoint along with the defender viewpoint
- Improve security evaluation, remediation, and defense capabilities
- Identify cross-domain vulnerabilities, potential impacts, and remediation strategies in systems and networks



Benefits

- Notional scenarios for analyst-centric training and analysis
- Collaboratively developed tools and acquired data
- Environment with cross-domain academics, professionals, and students
- Exclusive technical workshops and exercises
- Opportunities for joint proposals

Unique Facilities/Capabilities

- A hybrid and portable platform that uses hardware, emulation, and simulation for hosting small to large-scale cybersecurity scenarios
- Access to cybersecurity experts from operational and academic backgrounds
- Analyst-centric datasets to enable collaborative, cross-domain empirical-based research