



SECUREGAP

READY FOR AUDITS, PREPARED FOR BREACHES

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# PROBLEM OVERVIEW



Manual Compliance  
Requirements



Increased Regulation



Strict Requirements for  
Air Gapped Networks



Workforce Constraints



The Need for  
Automation

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# TARGET AUDIENCE

- Government Entities & Prime Contractors
- Small Businesses (SMB)
  - 99% of businesses
  - 43% of high-tech jobs
  - 16 times more patents



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# IMPORTANCE OF THE PROBLEM

- DoD Small Business Strategy:
  - Policies
  - Guidances
  - Initiatives
    - SBIR
    - STTR
- \$85.2 billion spent on SMBs
- Impact on SMBs:
  - %40 declined in the past decade

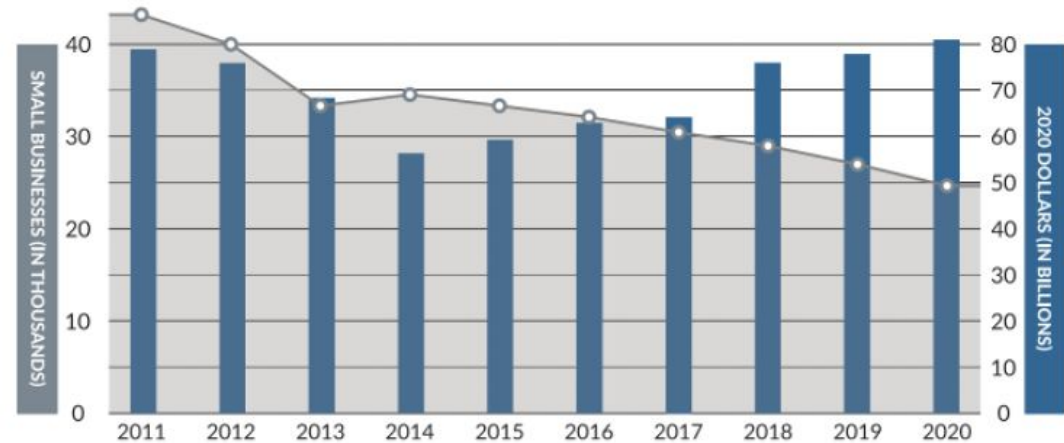


Figure 1. The Department's contract obligations to small businesses and the number of small businesses that received contract awards from the Department (FY 2011 - 2020).

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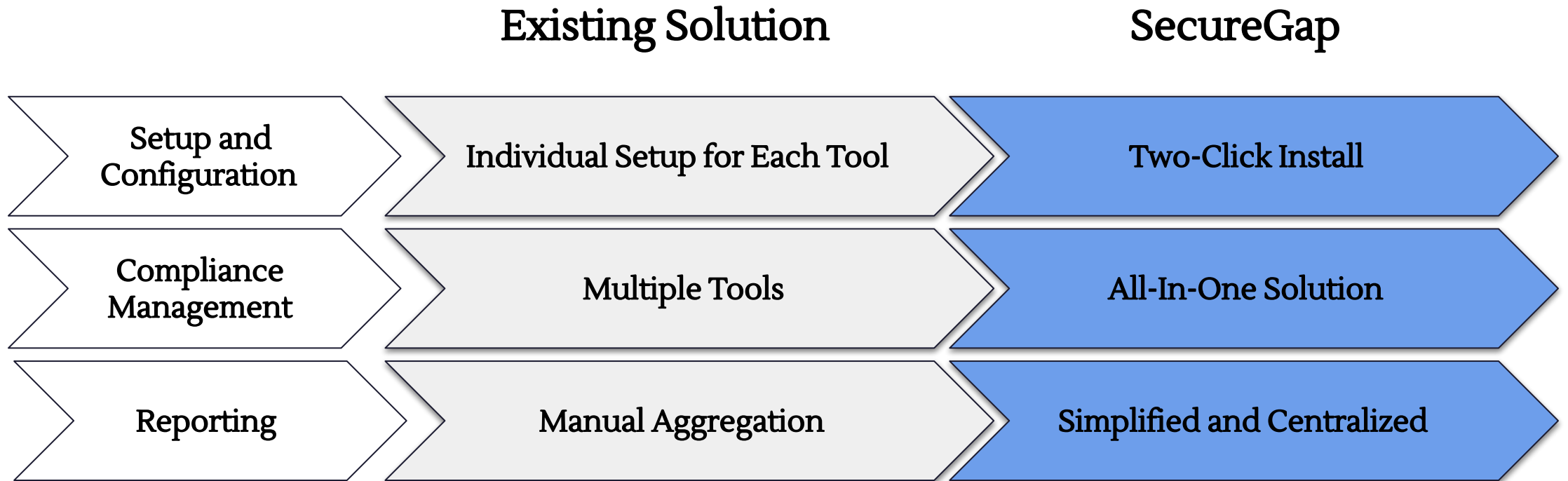
# OVERVIEW OF THE SOLUTION

- Auditing tool for air-gapped network
- Simple tool for any size organization
- Affordable tool for everyone



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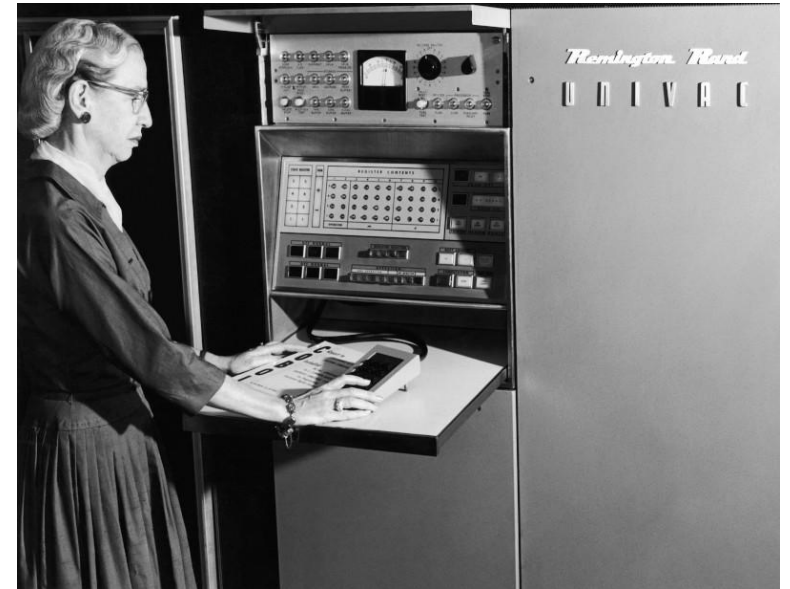
# SECUREGAP ADVANTAGES



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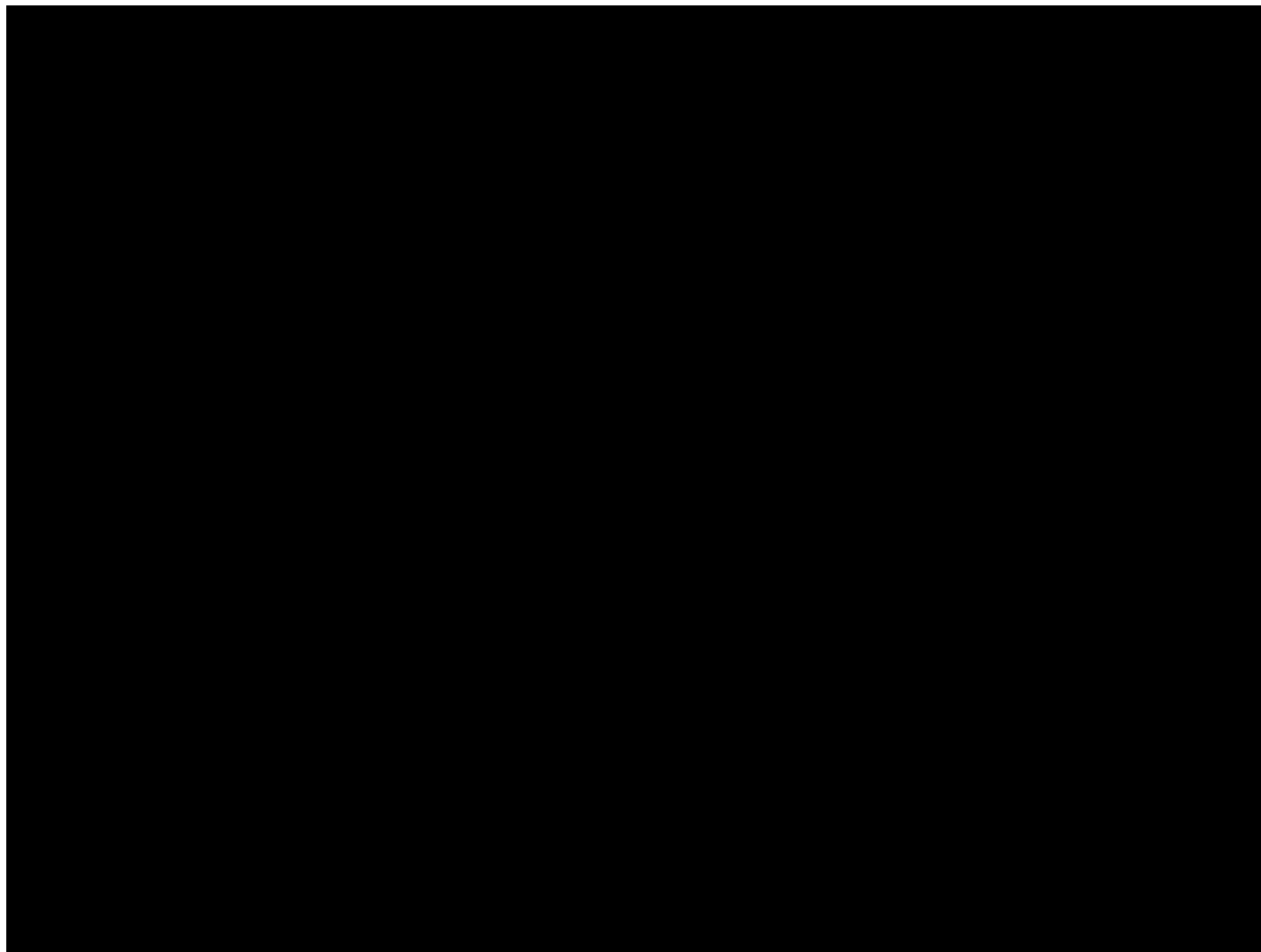
# SECURITY IMPLICATIONS

- Designed with simplicity in mind
- Focused on the professional
- Scalable
- Rapid response and deployment
- Small footprint



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DEMO





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# KEY CHALLENGES AND LESSONS LEARNED

- No network dependent tools or methods
  - Auxiliary tools must comply
  - Definitions loaded at runtime
  - Installer provided
- Open source tools
  - Helper tools need to be worked around
  - Licensing restrictions for distribution



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# THREAT MODELING AND REMEDIATION

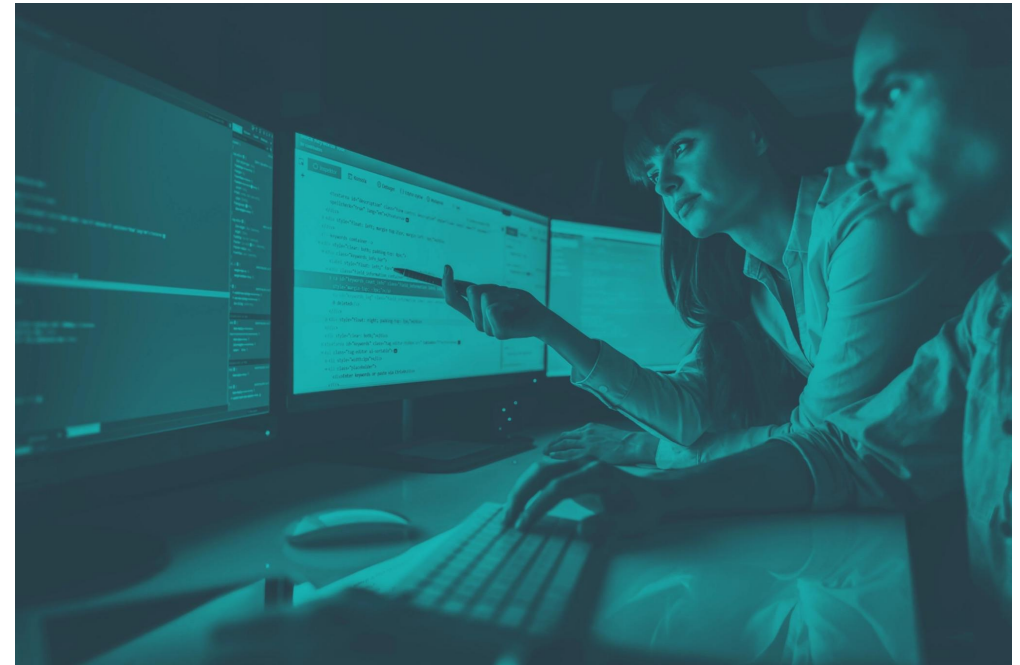
- Inherent security due to air-gapped nature
- Possible threats:
  - Supply-Chain Attack
  - Insider Threat
  - Integrity of Final Reports
  - Privilege Escalation



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# FUTURE IMPROVEMENTS

- Encrypted reports
- Additional post-processing for reports
- Inclusion of additional scanners and auditors
- Capability to fix issues automatically



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# CONCLUSION

- Audits from the government perspective
  - One team approach
  - Sunk cost reduction
- Compact
- Versatile
- Intuitive





SECUREGAP

Thank you!

Q&A

[securegap.us](https://securegap.us)

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