



SILICON PLAINS

IT - Cybersecurity - Compliance



Herb Miner

B.S. Computer Systems Engineering

MBA

Co-Founder and Chief Operations Officer

Silicon Plains, LLC

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About

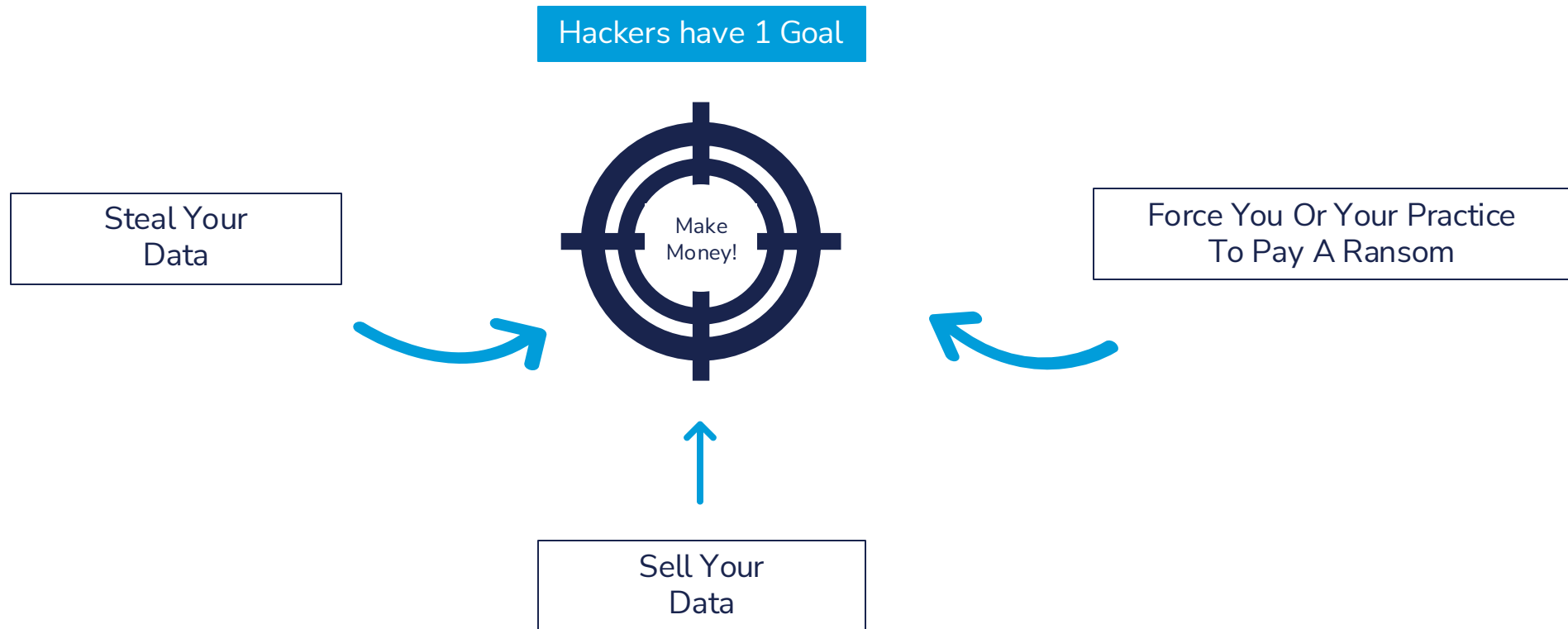
- 35 Space Shuttle missions
- 16 satellite missions
- Instrument-rated with a private pilot's license
- Lockheed Martin
- NASA
- Department of Defense
- National Oceanic and Atmospheric Administration
- Silicon Plains, LLC - founded in 2009
 - Virtual Chief Information Officer services
 - Cyber Security and Compliance services
 - Consulting
- Prior Experience
 - Transportation and Logistics
 - Retail
 - Service industries



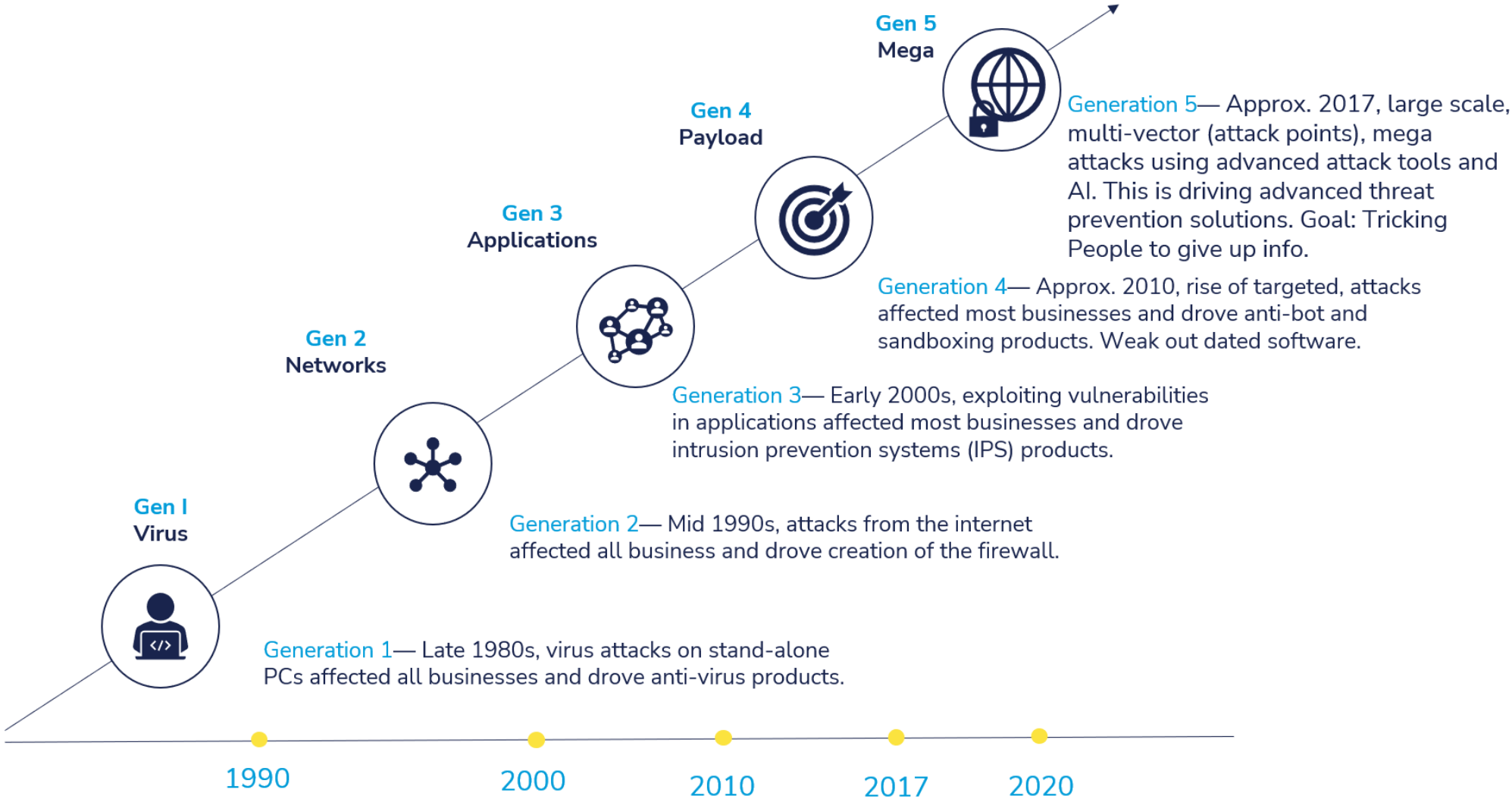
Cybersecurity and Compliance

Why Should I Care?

Your Business is At Risk!

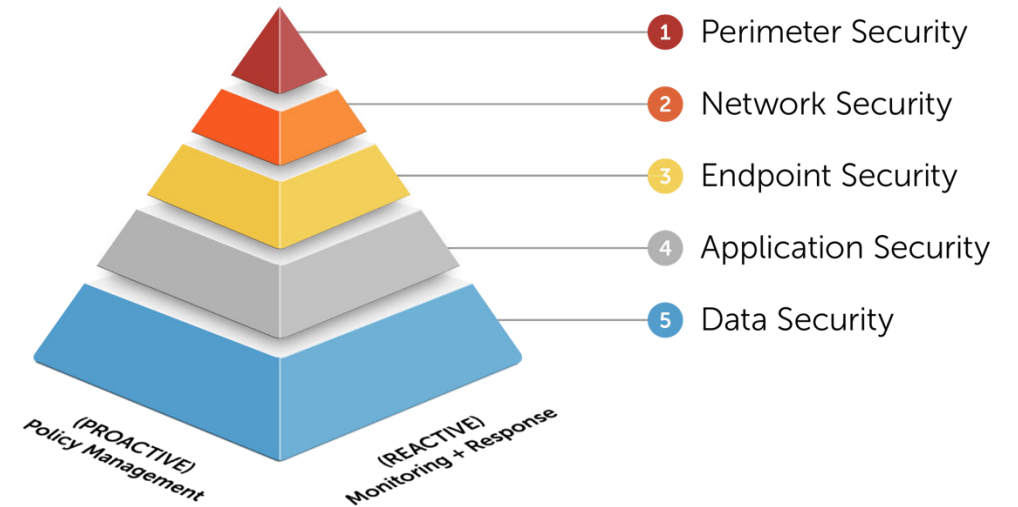


Current Cybersecurity Threats



Layers of Cybersecurity

- We implement 35 controls to protect clients and keep them compliant
 - Some are Technical Controls
 - NGAV
 - Zero-Trust
 - Some are Administrative Controls
 - Physical Security
 - Regular Audits
 - Company Policies



Cybersecurity

What should I do next?

Top 4

- Phishing Training
- Implement Zero-Trust
- MFA/2FA
- Eliminate Saved Sessions



Compliance

- Most Common
 - SOC 2 – SaaS Companies, Cloud Providers
 - ISO 27001 – Very rigorous, 114 controls
 - PCI-DSS – Credit Card requirement
 - FedRAMP – Cloud Service Providers
 - StateRAMP
 - TX-RAMP
 - CMMC – DoD – Comprehensive
 - HITRUST – Health-related organizations
 - ISO/IEC 42001 – AI Systems
 - DORA – European Union



CMMC

CMMC Model	Model	Assessment
LEVEL 3	134 requirements based on NIST SP 800-171 & 800-172	Government-led assessment every 3 years & annual affirmation
LEVEL 2	110 requirements aligned with NIST SP 800-171	Third-party assessment every 3 years & annual affirmation; self-assessment every 3 years & annual affirmation for select programs
LEVEL 1	15 requirements	Annual self-assessment & annual affirmation

CMMC Compliance Domains

Access Control (AC) - All Levels

Awareness & Training (AT) - Level 2, 3

Audit & Accountability (AU) - Level 2, 3

Configuration Management (CM) - Level 2, 3

Identification & Authentication (IA) - All Levels

Incident Response (IR) - Level 2, 3

Maintenance (MA) - Level 2, 3

Media Protection (MP) - All Levels

Personnel Security (PS) - Level 2, 3

Physical Protection (PE) - All Levels

Risk Assessment (RA) - Level 2, 3

Security Assessment (CA) - Level 2, 3

System and Communications Protection (SC) - All Levels

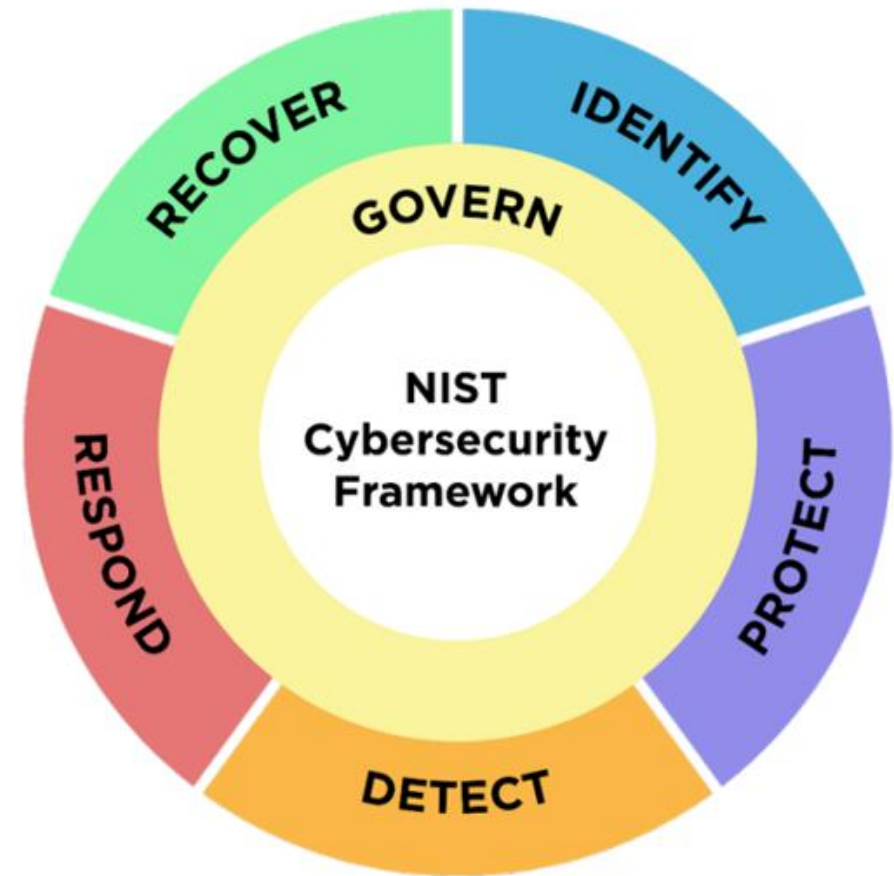
System and Information Integrity (SI) - All Levels

Compliance

What should I do next?

NIST CSF 2.0

Function	Category	Category Identifier
Govern (GV)	Organizational Context	GV.OC
	Risk Management Strategy	GV.RM
	Cybersecurity Supply Chain Risk Management	GV.SC
	Roles, Responsibilities, and Authorities	GV.RR
	Policies, Processes, and Procedures	GV.PO
	Oversight	GV.OV
Identify (ID)	Asset Management	ID.AM
	Risk Assessment	ID.RA
	Improvement	ID.IM
Protect (PR)	Identity Management, Authentication, and Access Control	PR.AA
	Awareness and Training	PR.AT
	Data Security	PR.DS
	Platform Security	PR.PS
	Technology Infrastructure Resilience	PR.IR
Detect (DE)	Continuous Monitoring	DE.CM
	Adverse Event Analysis	DE.AE
Respond (RS)	Incident Management	RS.MA
	Incident Analysis	RS.AN
	Incident Response Reporting and Communication	RS.CO
	Incident Mitigation	RS.MI
Recover (RC)	Incident Recovery Plan Execution	RC.RP
	Incident Recovery Communication	RC.CO





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