

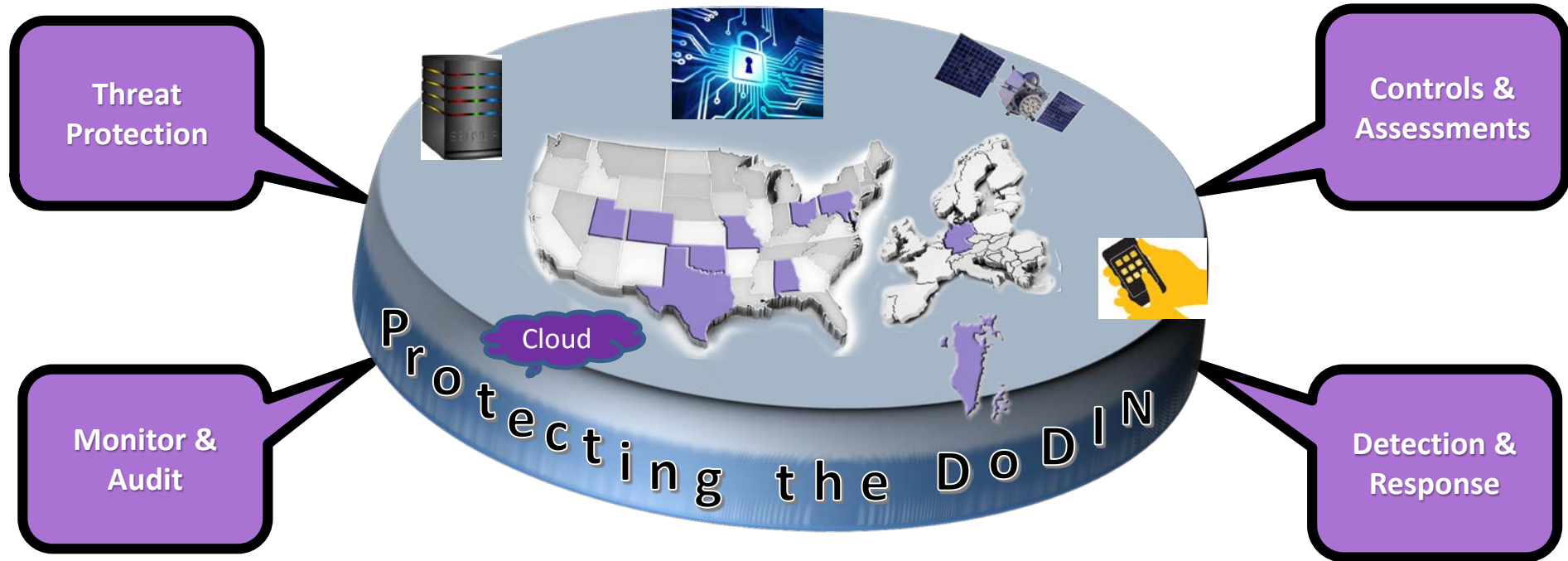


Evolving Cyber Protection for the Computing Ecosystem

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Chief, Cyber Services Line of Business
14 June 2017

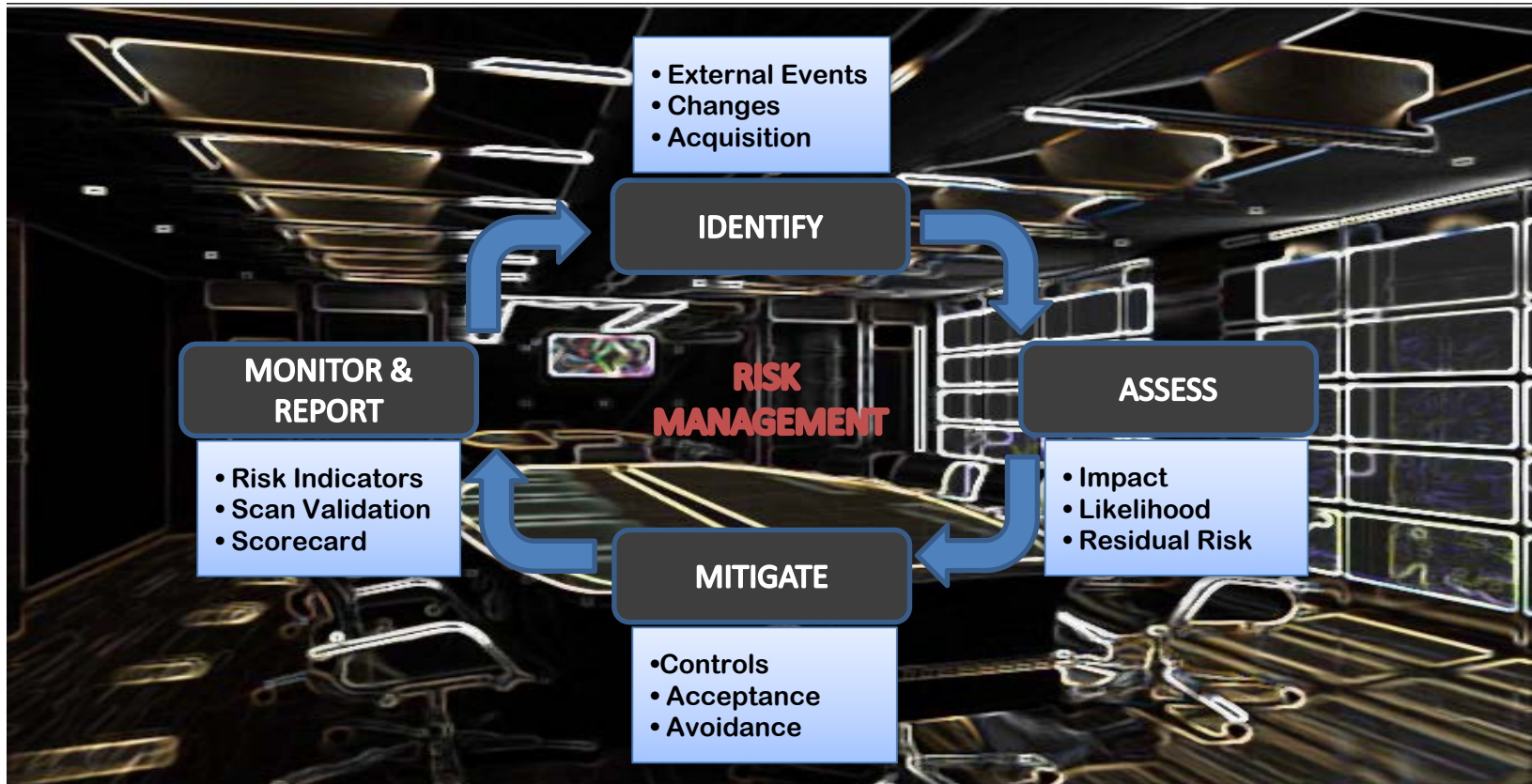


Cyber in the Ecosystem





Continual Protection & Controls





Securing the Ecosystem – Detection & Response

- **Protect**
- **Detect**
- **Respond**





Monitoring Auditing and Reporting



Historical Data		Executive Summary														As of Apr 25 2017 3:12AM	?		
Charts		Assets			Vulnerabilities Open Findings				Compliance				Network Scanner Findings CCRI Scan Grade						
		Total	Reporting / Not Reporting / In Maintenance	Total	Cat 1	Cat 2	Cat 3	Cat 4	Total	Cat 1	Cat 2	Cat 3	Cat 4	Total	Cat 1	Cat 2	Cat 3	Cat 4	
ESPS-9113		Minor Concern (1.71) 3 Assets																	
Total	13	13 / 0 / 0	102	20	79	3	0	98.1%	98.9%	97.6%	98.8%	100%	23	0	19	1	3	Total Certificates / Certs expiring in < 30 days	
Windows Servers	2	2 / 0 / 0	85	20	64	1	0	97.7%	98.6%	97.0%	99.3%	100%	21	0	18	1	2	37 / 0	
Non-Windows Servers	1	1 / 0 / 0	14	0	12	2	0	98.4%	100%	97.4%	97.0%	100%	1	0	0	0	1	Total Accounts / Privileged Accounts (63.5%)	
Databases	10	10 / 0 / 0	3	0	3	0	0	99.6%	100%	99.6%	100%	100%	1	0	1	0	0	85 / 54	
Workstations																			

- Provides a single pane of glass snapshot for the data collected by ESPS



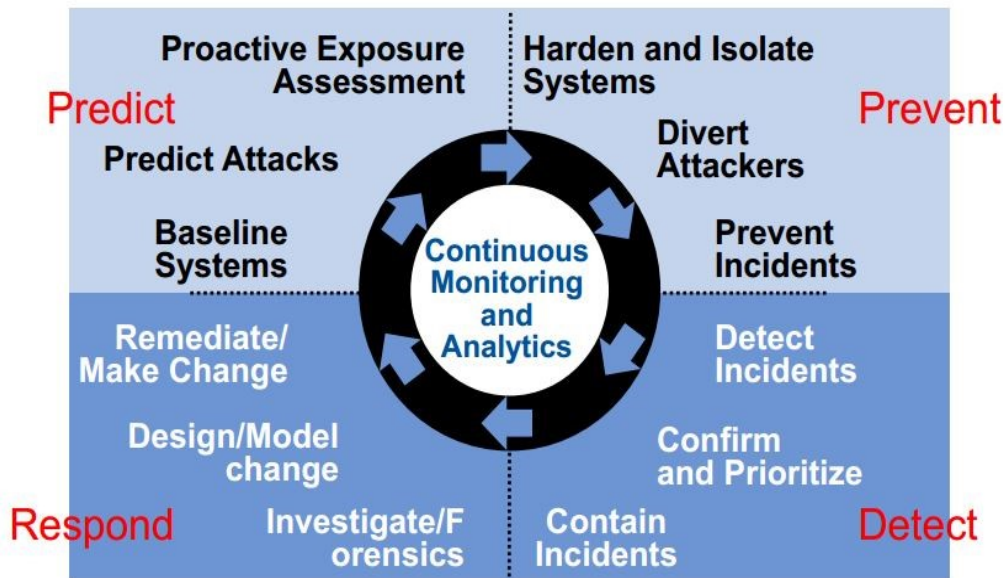
Historical Data		Executive Summary														Delta from Apr 1 2017 3:12AM to Apr 25 2017 3:12AM	?		
Charts		Assets			Vulnerabilities Open Findings				Compliance				Network Scanner Findings CCRI Scan Grade						
		Total	Reporting / Not Reporting / In Maintenance	Total	Cat 1	Cat 2	Cat 3	Cat 4	Total	Cat 1	Cat 2	Cat 3	Cat 4	Total	Cat 1	Cat 2	Cat 3	Cat 4	
ESPS-9113		Total Certificates / Certs expiring in < 30 days																	
Total	0	0 / 0 / 0	-17	+2	-18	-1	0	+0.4	-0.1	+0.6	+0.4	0	0	-1	+1	0	0	0 / 0	
Windows Servers	0	0 / 0 / 0	0	+2	-2	0	0	0	-0.1	+0.1	0	0	-1	-1	0	0	0	Total Accounts / Privileged Accounts	
Non-Windows Servers	0	0 / 0 / 0	+7	0	+6	+1	0	-0.8	0	-1.3	-1.5	0	0	0	0	0	0	+6 / +7	
Databases	0	0 / 0 / 0	-24	0	-22	-2	0	+3.3	0	+3.3	+5.7	0	+1	0	+1	0	0		
Workstations																			

- Stores 14 months of data to allow comparative analysis between specific dates



- Risk versus Compliance
- Real-time Risk Assessments
- Proactive Exploit Management
- Application Level Protections
- Isolation and Remediation
- Secure Cloud Offerings
- Multifactor Authentication

The Adaptive Security Architecture



Transition from Compliance to Risk Management



Cyber Protection Panel Experts

- **Dave Nameroff, Cyber Security Services Portfolio Manager**
- **Michael Sandell, Deputy Chief, Server Line of Business**
- **James Travis, Chief, Cyber/NetOps Solutions Division**



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