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“Stay Ready so you don’t need to Get Ready”

Strategies to stay ahead of threats and drive a proactive posture

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Presenter

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Where to start?

1. Understanding your universe
2. Program assessment
3. The questions to ask
4. Conclusion

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Stay ready so you don’t have to get ready


$180B
Why is cybersecurity getting worse?

Know – Manage - Secure

You Cannot **Manage** What You Don't **Know**

You Cannot **Secure** What You Don't **Manage**

Visibility is Key !!!

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Take an outside in look at the problem

Public
Cloud

Internet Properties
& Private Cloud

Data
Center

So what's your vision?

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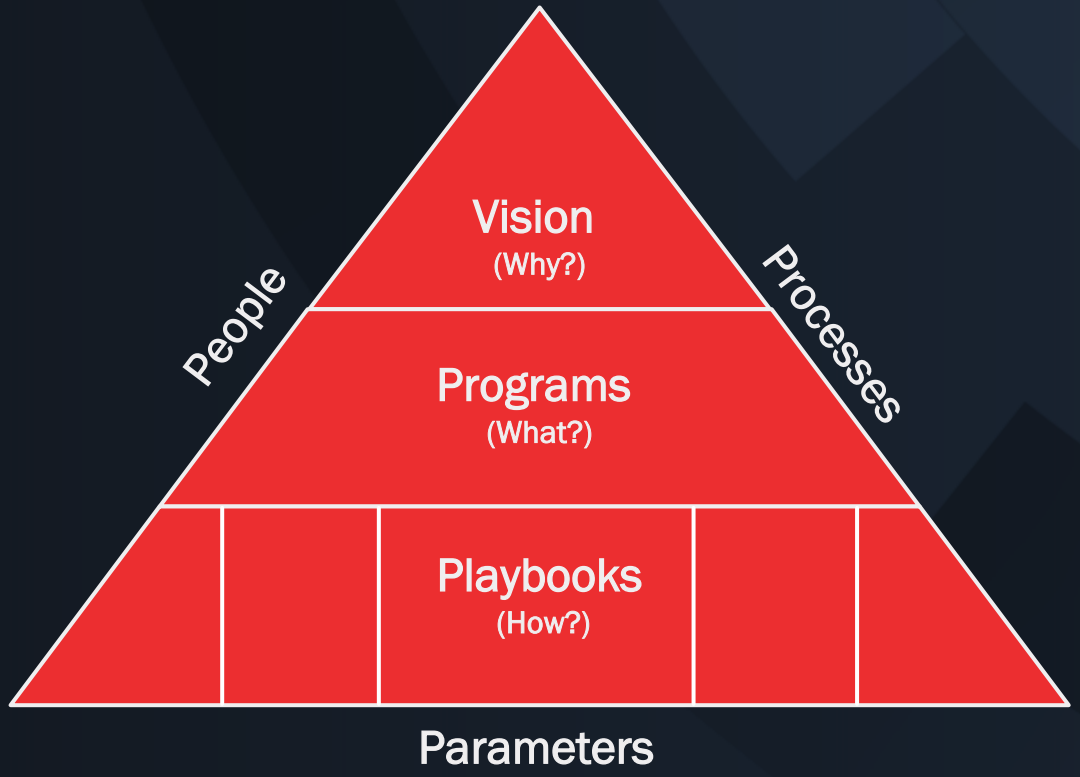
Establishing core readiness programs



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New York DFS 23 NYCRR 500

1. Cyber Security Program & Policy (Section 500.02 - .03)
2. Chief Information Security Officer (Section 500.04)
3. Penetration Testing and Vulnerability Management (Section 500.05)
4. Audit Trail (Section 500.06)
5. Access Privileges (Section 500.07)
6. Application Security (Section 500.08)
7. Risk Assessments (Section 500.09)
8. Cybersecurity Personnel and Intelligence, Third Parties (Section 500.10 - .11)
9. Multi-Factor Authentication (Section 500.12)
10. Training and Monitoring (Section 500.14)
11. Encryption of Nonpublic Information (500.15)
12. Annual Compliance Certification (section 500.16)

Where to start?

4 comprehensive visibility programs to establish

1. **Asset Lifecycle Programs**
   - Accuracy and availability?
2. **Authentication and Authorization Programs**
   - Multi-Factor Authentication
   - How much Friction?
3. **Foundational Programs (CR/PM)**
   - War Games – DR, BCP, CSIRT
   - Active threat hunting
4. **Automation and Scalability Programs**
   - Vulnerability Assessment & Management
   - Patch, Configuration Management, GRC Automation

There is no "Set and Forget" if you want to STAY READY!

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If you know the enemy and know yourself, you need not fear the result of a hundred battles. If you know yourself but not the enemy, for every victory gained you will also suffer a defeat. If you know neither the enemy nor yourself, you will succumb in every battle.

Sun Tzu, The Art of War

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Key questions every IT leader needs to ask & answer!

First level questions:

1. How many assets do I have & what the scope of my network?

2. What is running on all the devices in my network?

3. What is going in and out of our network?

4. What do you look like to an attacker?

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Key questions every IT leader needs to ask & answer!

Next level questions:

5. Are our security controls present and effective?

6. Where does our data come from and where is it stored?

7. Are our teams properly trained and speak a common language?

8. Are their opportunities to scale and automate process to make the job of staying ready easier?

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What does having command of these questions really mean?

Risk

Safe

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Time to stay ready!

Thank You