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The modern CISO mindset

Shifting from accountability to action

Ben de Bont
Chief Information Security Officer, ServiceNow

Are government frameworks reducing cyber risk?

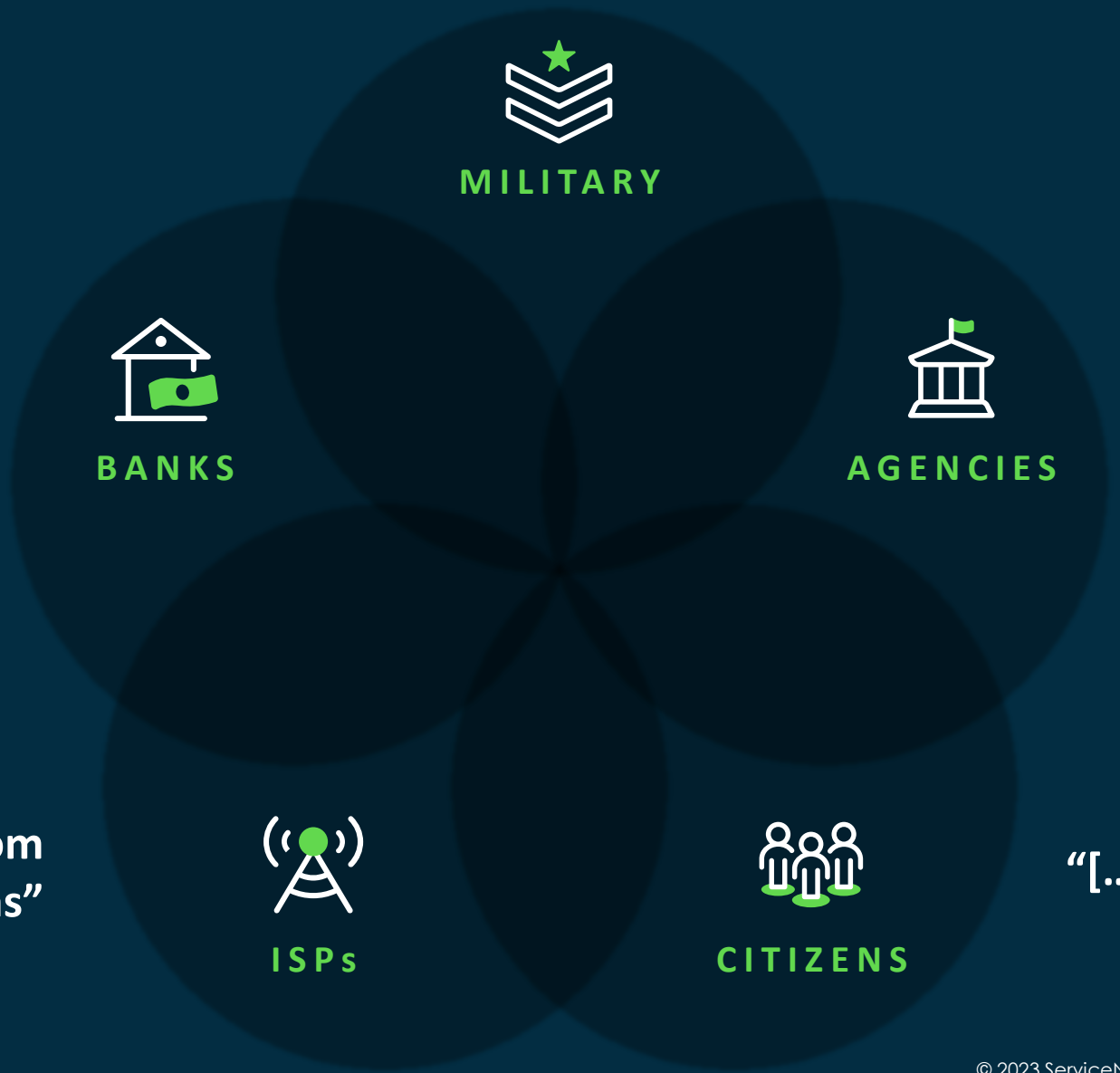
Canadian Cyber Security

- **Privacy Act – (1983)**
- **Personal Information Protection and Electronic Documents Act (PIPEDA) – (2001)**
- **Digital Privacy Act – (2018)**
- **Bill C-26: An Act respecting cyber security, amending the Telecommunications Act – (currently tabled in House of Commons)**
- **Bill C-27 : Digital Charter Implementation Act – (currently tabled in House of Commons)**
- **National Cyber Security Strategy – (In effect since 2010)**
- **National Strategy for Critical Infrastructure (NSCI) – (In effect since 2009)**

Notable ServiceNow global certifications

- **US** – DOD Impact Level 5 (IL5)
- **Singapore** – Multi-Tier Cloud Security (MTCS)
- **Japan** – Information System Security Management & Assessment Program (ISMAP)
- **Germany** – Cloud Computing Compliance Controls Catalog (C5)
- **Korea** – Personal Information Protection Act (PIPA)
- **France** – Health Data Hosting (HDS)
- **UK** – G-Cloud
- **EU** – General Data Protection Regulation (GDPR)

“BLOW UP THE HACKERS”



“We need to satisfy the regulators”

“Jurisdiction of cyber responsibilities”

“Remove users from security decisions”

“[…crickets…]”

US Cyber Security Executive Order

December 2020	March 2021	May 2021	May 2022
SolarWinds	**Microsoft**	**Colonial Pipeline**	**Attestation**
Malicious code discovered in Orion software (Russia)	Announced four zero-days in Exchange; cyber threat actors exploit 250,000 servers	Ransomware attack against company that provides gasoline and jet fuel to Southeastern US (Darkside)	Service providers must attest to all requirement, including:

US EO #14028 rushed into law for all gov agencies, suppliers, and providers

- MFA
- Zero Trust
- Advanced logging & monitoring
- Public/private vulnerability sharing
- Endpoint protection
- Encryption

US Regulation by Enforcement

DOJ Trends

- Holding contractors liable for security failings under the False Claims Act
- Scrutinizing management's role in corporate compliance programs
- Requiring individual accountability for corporate wrongdoing

FTC Trends

- Imposing civil liability on senior executives
- Faulting companies for untimely disclosures or inadequate policies

SEC Trends

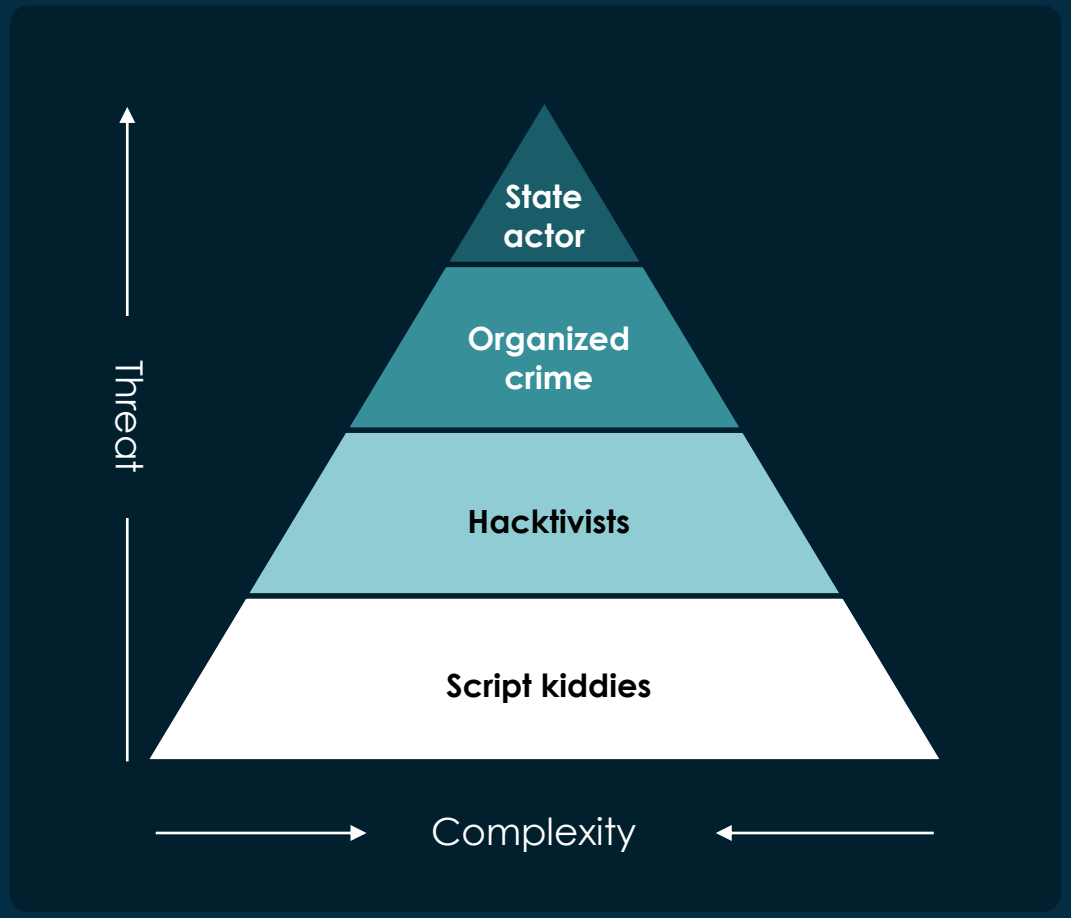
- Fining companies that inadequately protect personal information

Heightened Disclosure Obligations

	Regulation	Timeline
Canada	**PIPEDA**	→ **As soon as feasible**
United States	**SEC Item 1.05**	→ **4 business days** to disclose material incidents
	Cyber Incident Response Critical Infrastructure Act	→ **3 business days** to disclose covered cyber incidents
European Union	**Network and Information Security Directive 2**	→ **24 hours** to provide "early warning" after becoming aware of significant incidents
	Cyber Resilience Act	→ **24 hours** to disclose actively exploited vulnerabilities or incidents impacting security
Australia	**Department of Defence - Defence Security Principles Framework**	→ **As soon as possible within 24 hours** of discovering a cyber security incident
India	**Cert-IN Directive issued as part of IT Act**	→ **Within 6 hours**

Would any of these frameworks have stopped the Okta breach?

Cyber security pyramid of pain is now the Cube of Death



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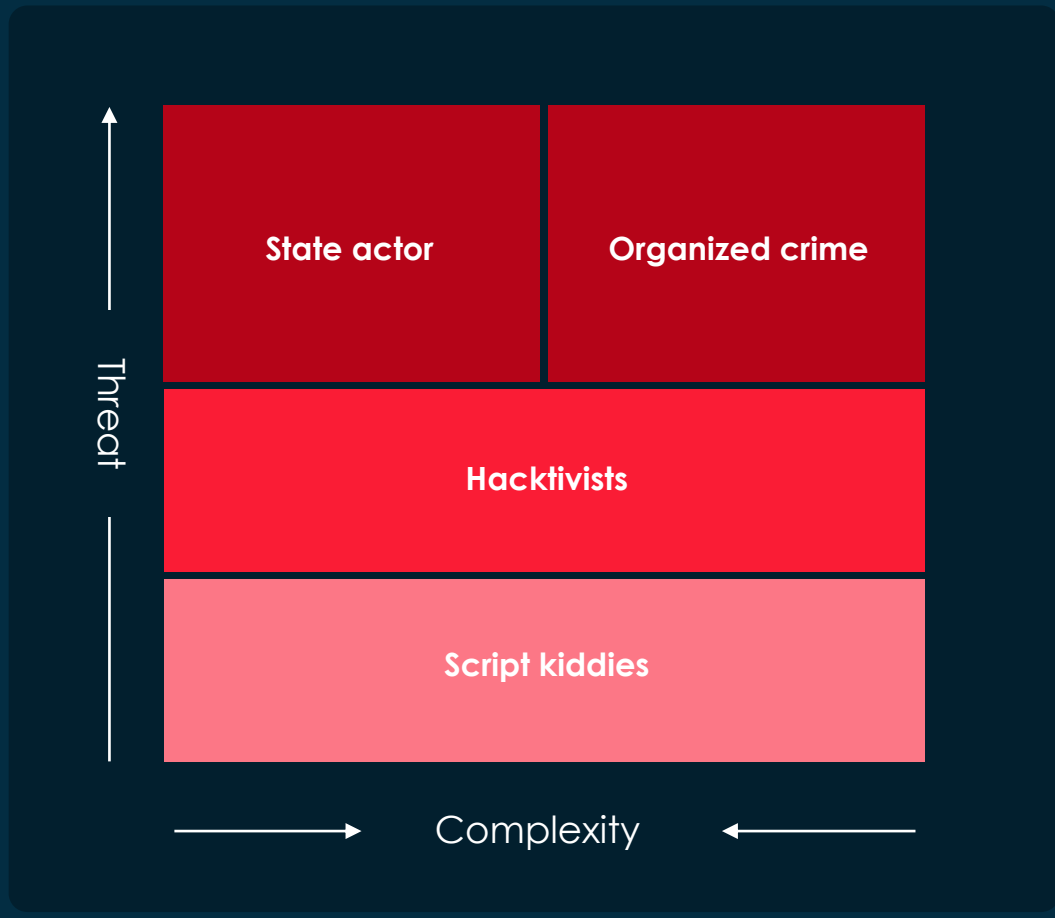

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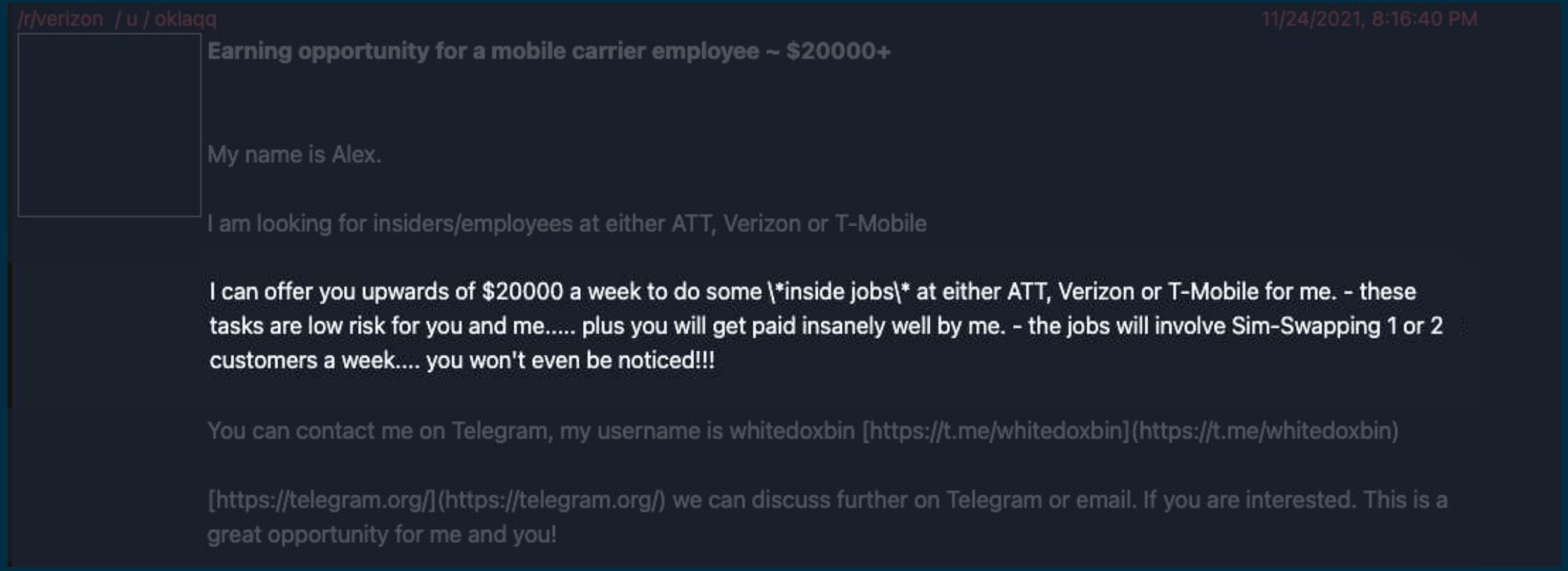
Low tech…high impact

Lapsus$ “call for participants” demonstrates the barrier of entry is much lower



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Earning opportunity for a mobile carrier employee ~ $20000+

My name is Alex.

I am looking for insiders/employees at either ATT, Verizon or T-Mobile

I can offer you upwards of $20000 a week to do some *inside jobs* at either ATT, Verizon or T-Mobile for me. - these tasks are low risk for you and me..... plus you will get paid insanely well by me. - the jobs will involve Sim-Swapping 1 or 2 customers a week.... you won't even be noticed!!!

You can contact me on Telegram, my username is whitedoxbin https://t.me/whitedoxbin

https://telegram.org/ we can discuss further on Telegram or email. If you are interested. This is a great opportunity for me and you!

5 Practical CISO Tips to augment your security frameworks

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1. Understand your entire scope
2. Tap into your team of experts
3. Run practical security tests
4. Optimize tooling to ensure ROI
5. Collaborate to scale security

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2. Invest in asset discovery
3. Don't restrict your scope with perceived boundaries

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