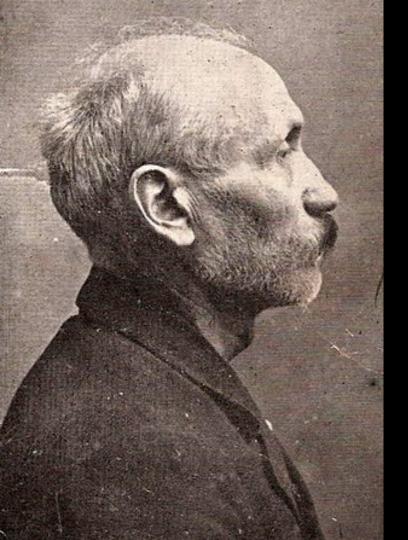






"Egypt's canal chief says human error could be behind ship's grounding."





"Friedrich Wilhelm Voigt masqueraded as a military officer, rounded up soldiers, and 'confiscated' 4,000 marks from a municipal treasury."



Donna-Marie Cullen ♀ . @DonnaCullen85 · May 17, 2021 HSE cyberattack 'stole my end goal', says cancer patient.

I'm just one of thousands of patients effected by this horrible cyberattack on the HSE.

@IrishTimes



irishtimes.com

HSE cyberattack 'stole my end goal', says cancer patient

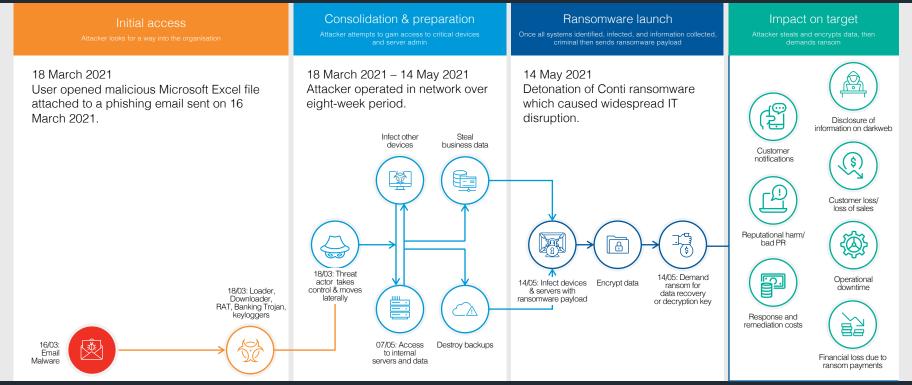
Woman (36) due to finish treatment on May 31st but now has 'no idea' when she'll be seen

"I got a call at lunchtime and was told that my radiation wouldn't be going ahead because of the cyber-attack."

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It started with a phish

Anatomy of the ransomware (or BEC, or data theft) attack





"For me it was the worry. If there was even a minute chance of a crumb of this cancer left in my head, that it would just start to multiply, and my radiation plan would need to be completely revised."

"We got into your network through phishing. The email with the malicious attachment was opened by an employee... the user is asked to include the document's macro to display the content.

#Solution: Make it impossible to perform such an attack! #How? You should figure it out for yourself..."



Systemic risk is people-centric risk.



85% of data breaches involved a human element, just 3% involved a technical vulnerability.

verizon/

75% of ransomware attacks start with email.



95% of security breaches are human related.

WØRLD ECONOMIC FORUM 66

"Had we known that what was true nine years ago would still be true today, we could have saved some time by just copying and pasting some text.

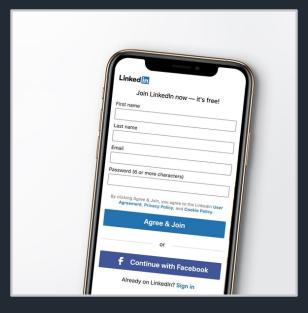
Oh well, maybe in another nine years things will change for the better."

verizon DBIR



Attackers don't hack in... they log in





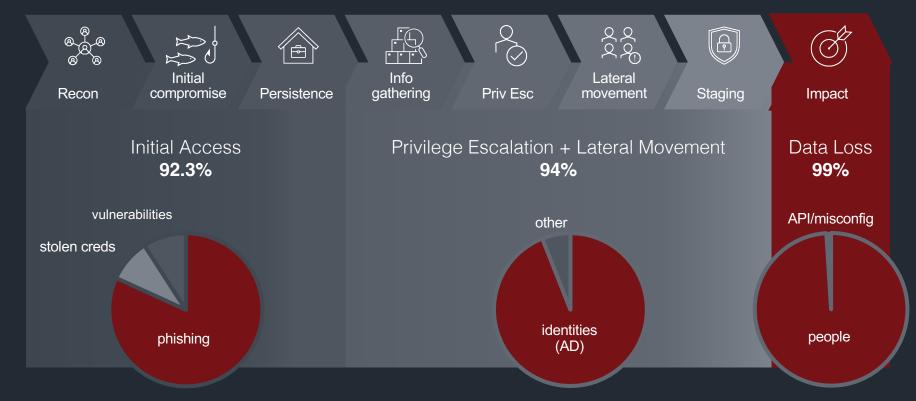


RUNNING ATTACKER'S CODE FOR THEM

HANDING OVER CREDENTIALS TO THEM

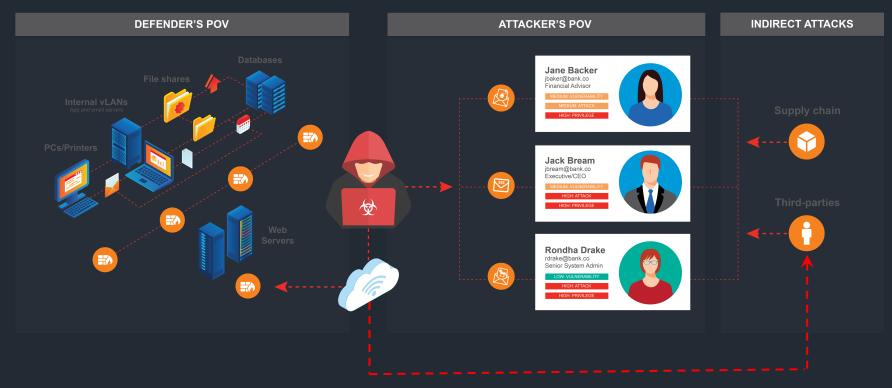
TRANSFER FUNDS OR DATA TO THEM

And they log in with standardized tactics

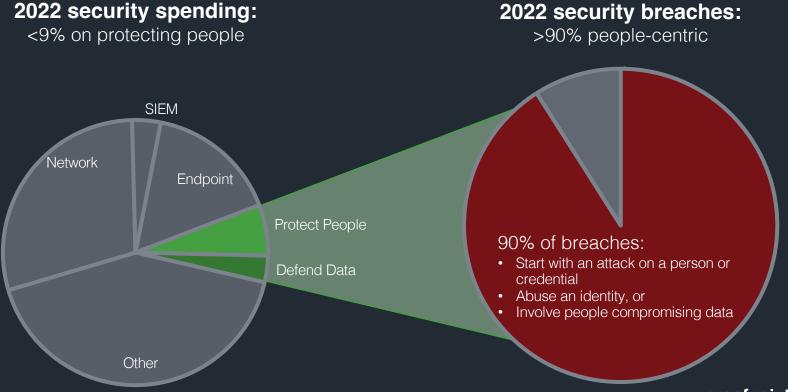


The human has always been the perimeter.

But have we changed our focus?



Risks focused on people... defenders didn't



Breaking the links in the attack chain

















- Initial
 Prevent identity decomptionise
- Block targeted phishing, malware, & social engineering attacks
- Detect + respond to cloud account takeover
- Build user resilience
- Identify compromised suppliers

Info Lateral
Persistence Cutatiféringmmon attack pathosement

- Prevent privilege escalation
- Detect lateral movement

- Detection blocked at a exfiltration attempts
- Gain insight into risky user behaviour

Proofpoint **Aegis**

Proofpoint

Identity Threat Detection + Response

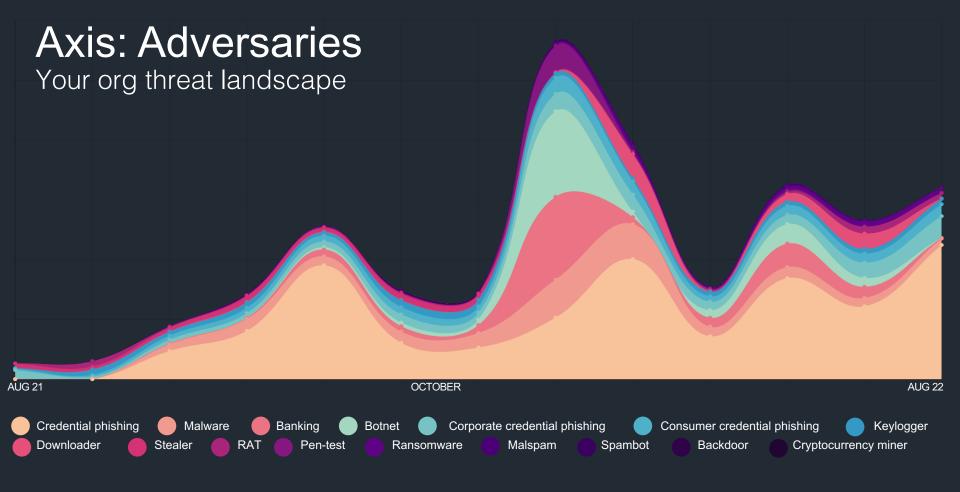
Proofpoint **Sigma**

Answering the questions that matter most





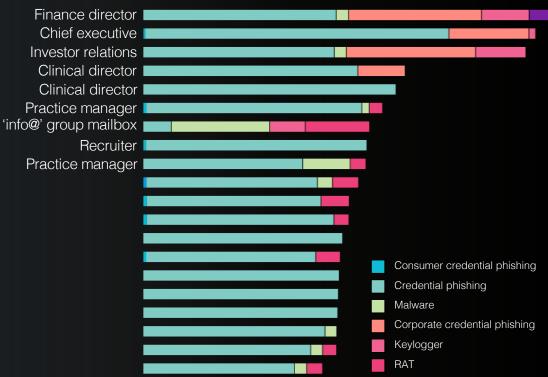




Axis: People

People are different.... but targetable





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Axis: Data

15 patterns cover 95%+ of data loss incidents



Axis: Data

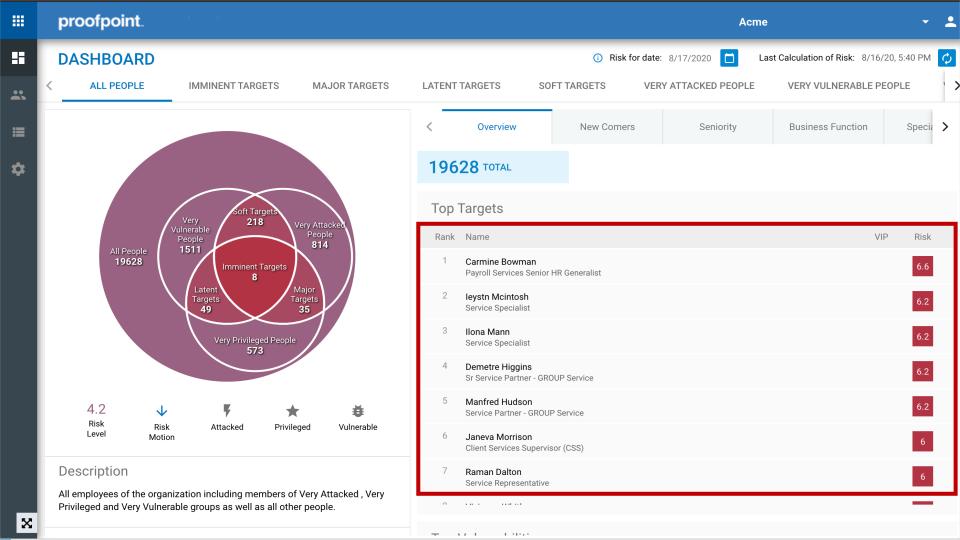
15 patterns cover 95%+ of data loss incidents



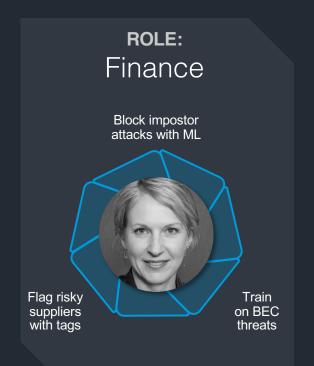




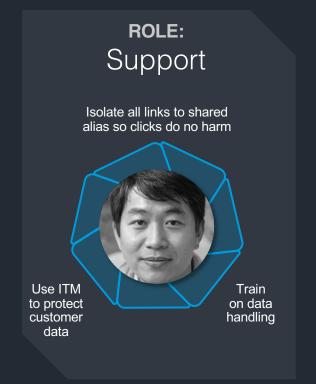
ACCESS	MANIPULATION	EXFILTRATION
Sync/copy cloud file stores	Change file name	Copy to personal cloud storage
Search/copy from file shares	Encrypt file	Share with personal / burner account
Copy structured data from thick client apps	Change file extension	Email to personal / burner account
Export data from web interfaces	Add to archive or compress file	Copy from cloud to unmanaged device
	Create multi-part archive	Copy to USB / external hard drive / AirDrop
		Print



Adaptive controls that protect people









Recon



Initial compromise



Persistence



Info gathering



Priv Esc



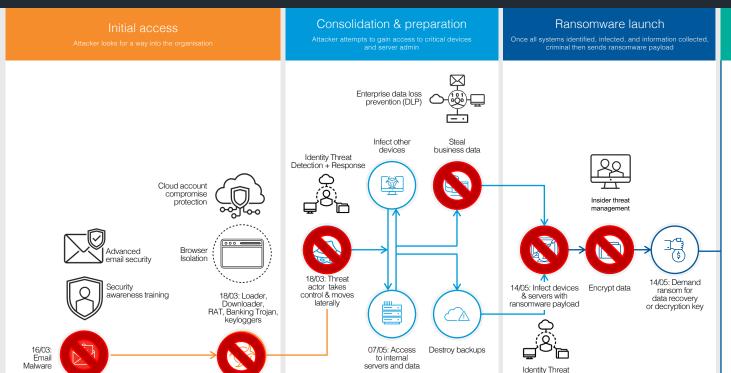
Lateral movement



Staging



Impact



Impact on target





information on darkweb Customer notifications



bad PR

Response and

remediation costs



Customer loss/ loss of sales





Operational downtime



Financial loss due to ransom payments

Detection + Response

proofpoint...

Learn more

Uncover your Very Attacked People

go.proofpoint.com/en-emailsecurity-get-in-touch.html

Securing email. Protecting people. No compromises.

About Proofpoint Email Protection

More than 90% of targeted attacks start with email, and these security threats are always evolving.

Proofpoint Email Protection catches both known and unknown threats that others miss. By processing billions of messages each day, Proofpoint sees more threats, detects them faster, and better protects you against hard-to-detect malwareless threats, such as impostor emails.

GET IN TOUCH WITH US

Business Email*

For more information, please see our <u>Privacy</u> <u>Policy</u>. If you prefer not to receive marketing emails from Proofpoint, you can opt-out of all marketing communications or customise your preferences <u>here</u>.



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