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Life after A Data Breach – People, Processes, and Technology

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Agenda

- How organizations are defining data breaches
- Discuss 1st year of changes after a data breach
- How to identify and prevent “rinse and repeat” mistakes
- 5 year outlook after a data breach

Life after a Breach

Incident vs. Breach Defined

INCIDENT

"A violation or imminent threat of violation of computer security policies, acceptable use policies, or standard security practices"

** NIST SP 800-61, Computer Security Incident Handling Guide*

BREACH

"It's like a bad parking job. You know one when you see one."

** Not NIST*

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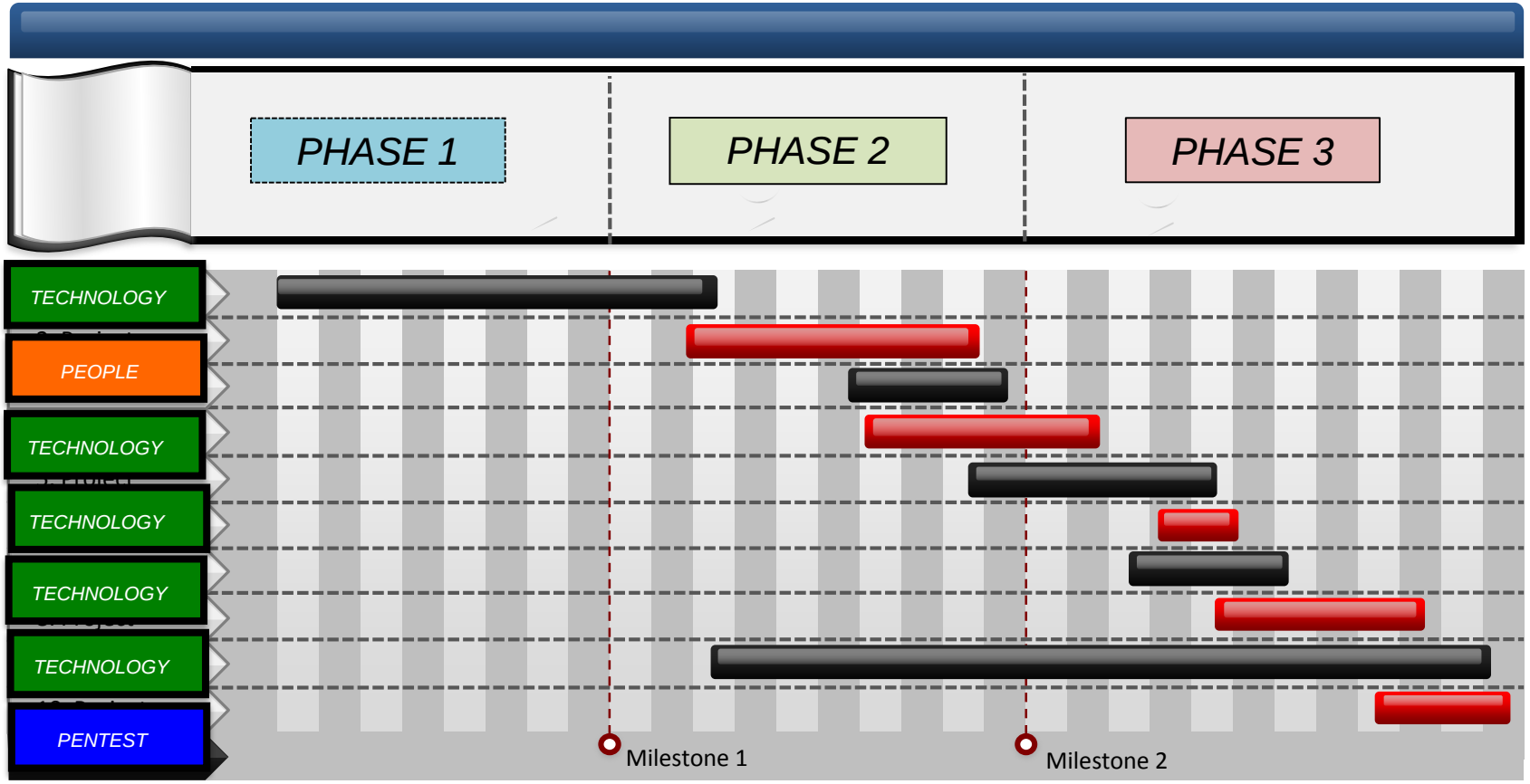
Breach or Incident?

PEOPLE	An IT employee walks up to the supervisor of another department and and says “I think I’ve been compromised.”
PROCESS	During an annual third-party audit, the audit team notices a series of discrepancies with monthly security logs.
TECHNOLOGY	A third-party vendor who is responsible for offsite backup lost a hard-drive with sensitive data on it. Not sure if it was stolen or not, but it was encrypted.

Year One – “Rack and Stack” Security



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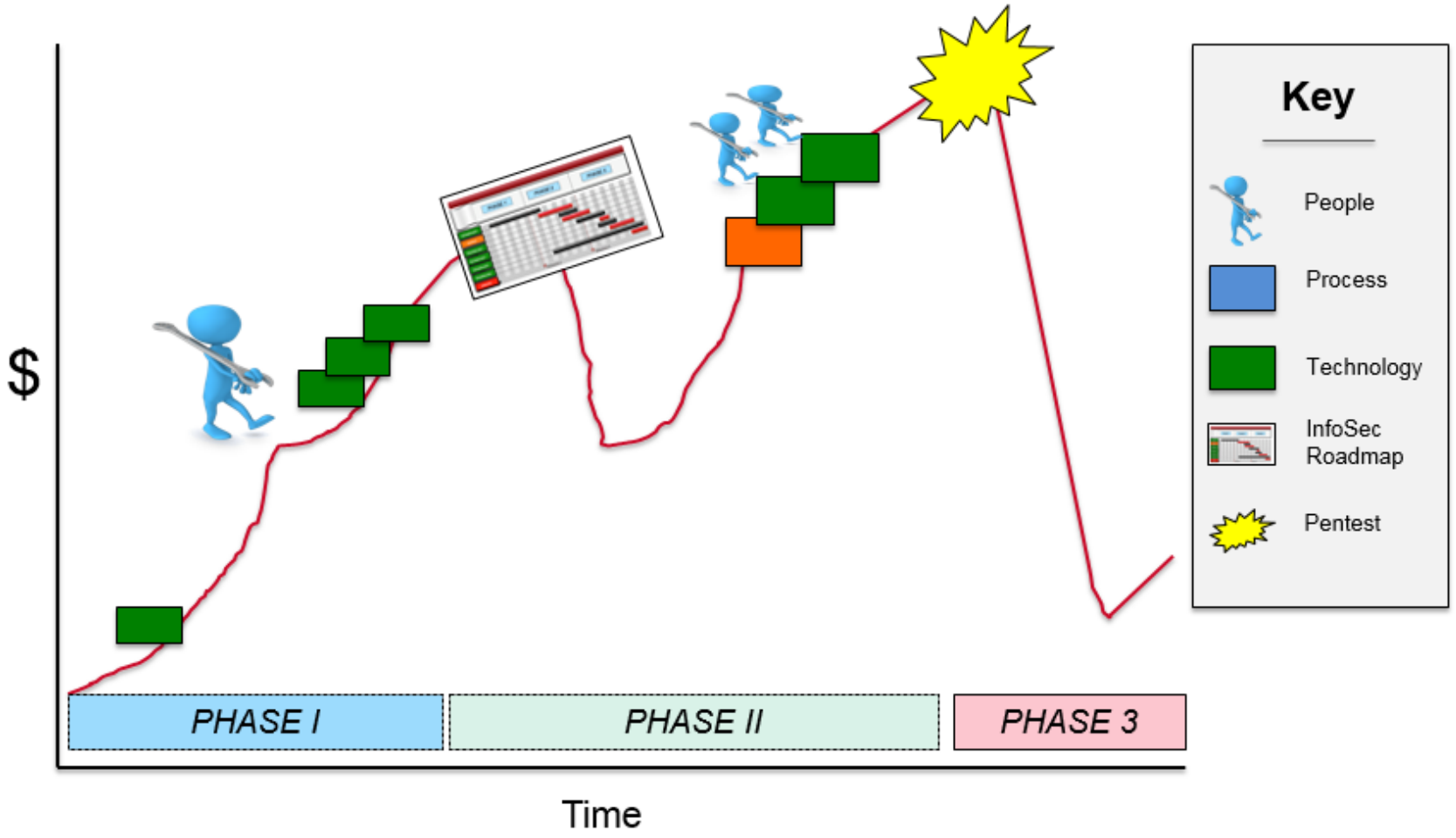
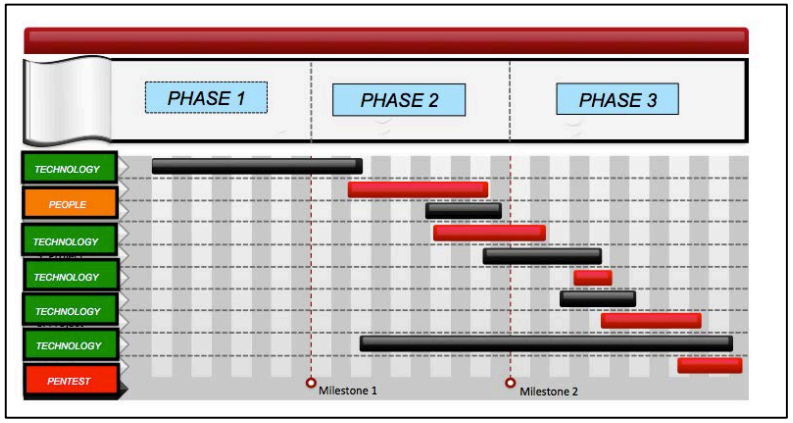
Budget and InfoSec Activity

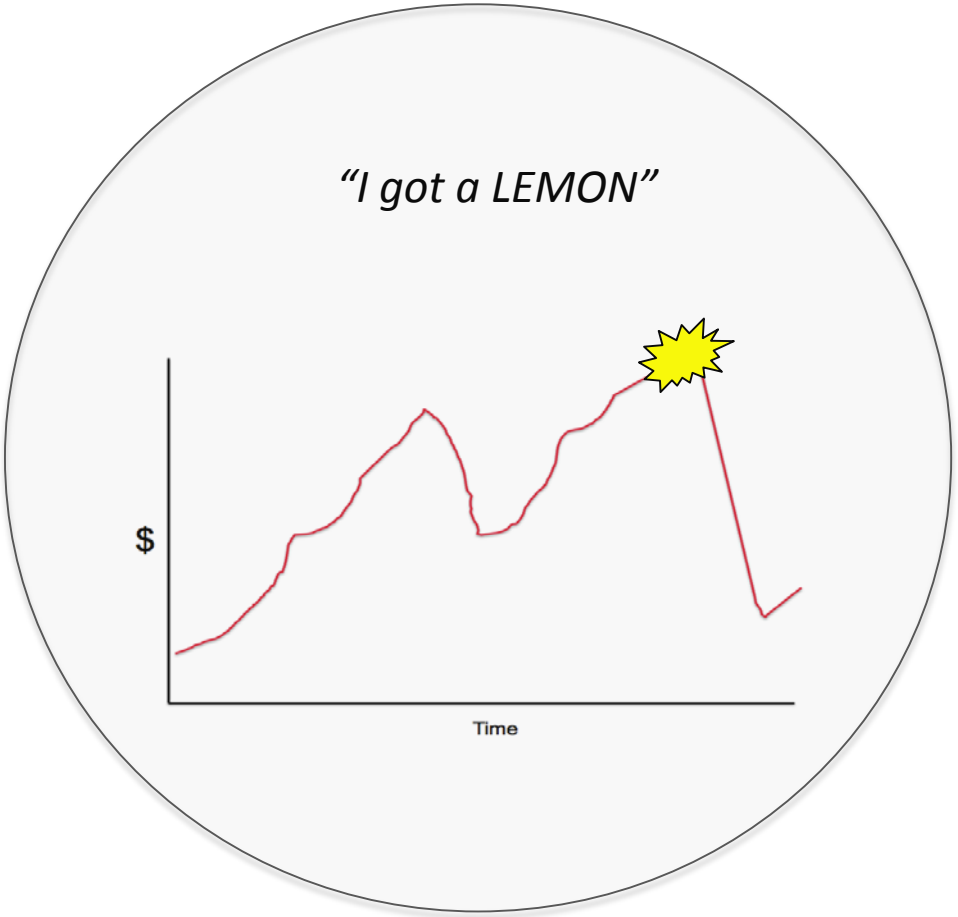


C- Level View

"YOU sold me on THIS"



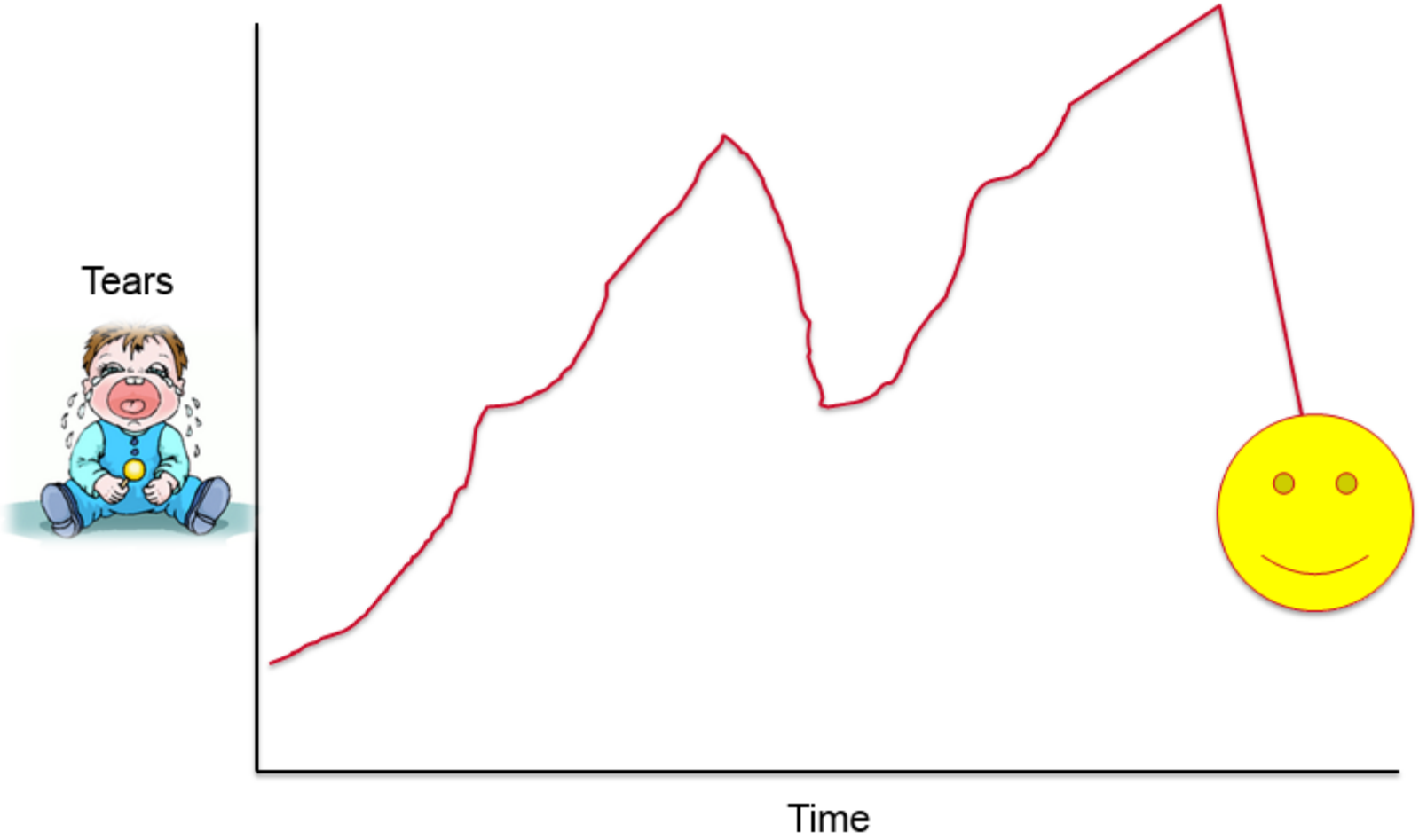
"I got a LEMON"



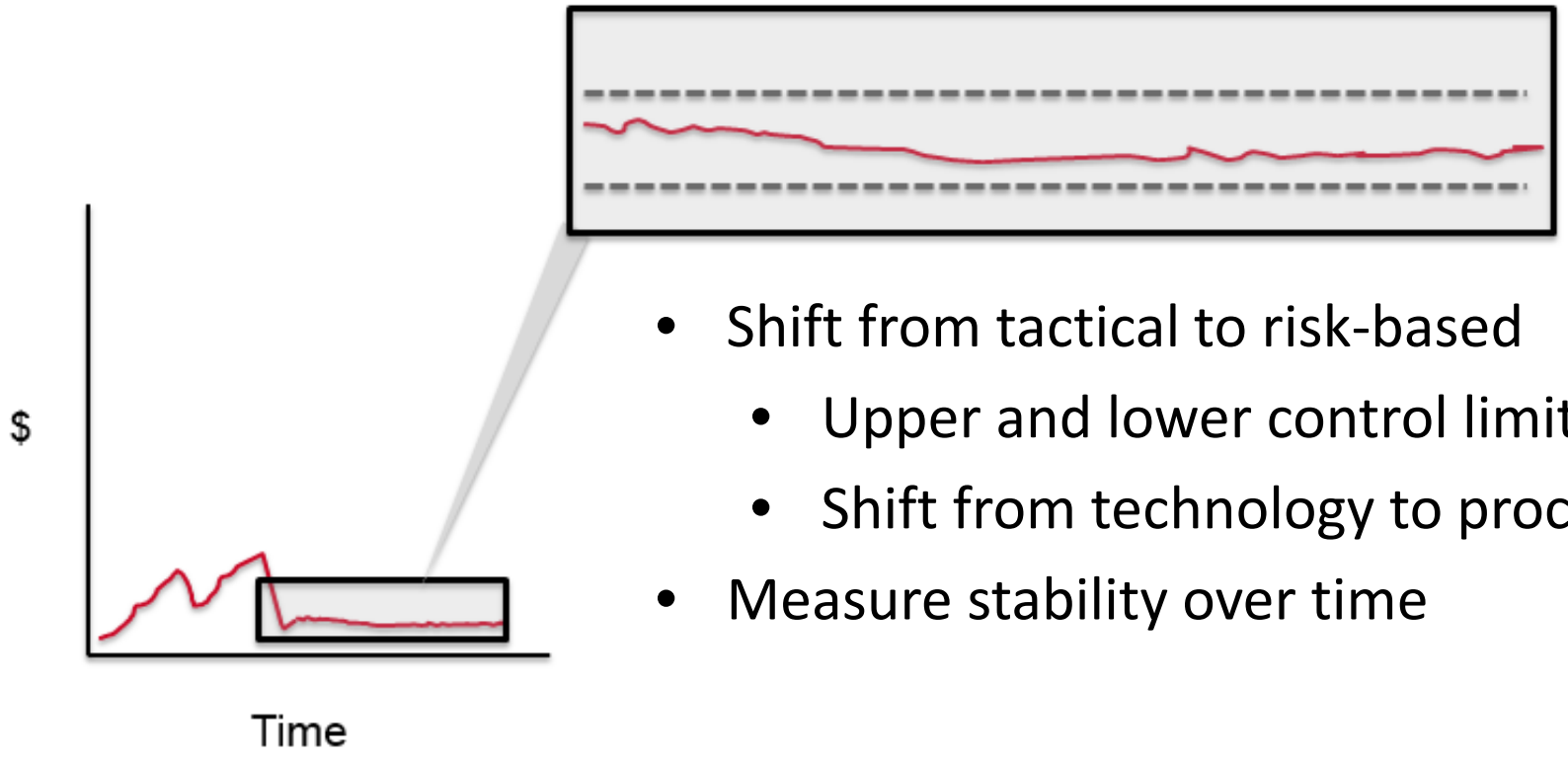
Employee View

- *"I can't do my job."*
- *"Since you installed all the security stuff I can't do my job."*
- *"It takes forever to get IT help; I can't do my job."*

“Baked-in” Security – Tears over Time

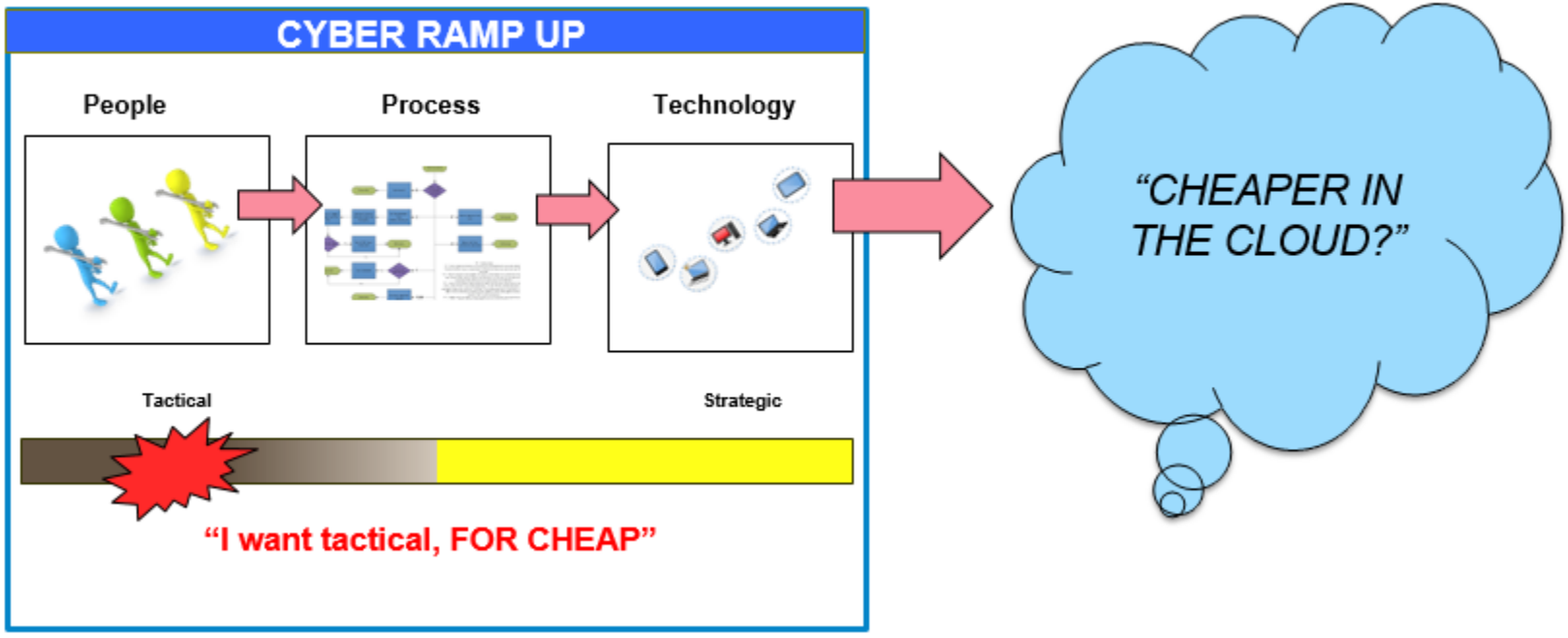


Hackers Aren't Your Enemy – Instability Is



- Shift from tactical to risk-based
  - Upper and lower control limits
  - Shift from technology to process
- Measure stability over time

Five Year Roadmap



Key Takeaways

- Money isn't your enemy, variation is
- Bouncing back is easier than expected
- You will experience a breach
  - You have to control the narrative

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Thank You!

Questions?

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