



OWASP
Open Web Application
Security Project

CISO 90 Day Plan

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Agenda

- Why are we here?
- Days 0 – 30
- Days 31 – 60
- Days 61 – 90
- Days 90+
- Infinity & Beyond



Avoiding Really Bad News!



Don't be the Blocker!



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Don't be the Prophet of Doom



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Toughest Part of the Job



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CISO Post-Breach



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Establishing Relationships & Trust



Selling CISO as a Service

- Business enablement
- FUD is not the only pitch
- Education
- Shared responsibility
- Get support and buy-in
- Add Value!



Taking Initial Inventory

- Organizational Structure - Who's who
 - Execs, BU Leaders, IT Ops, Internal Audit
- Existing Policies, Processes, etc.
- Existing Technologies
- Where's the Data?
- Historical Security Incidents
- Shadow IT



Leading Towards Better Security



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Servant Leadership



Find yourself in the
service of others

- Mohandas Gandhi

Security Surrounds us, Penetrates us and Binds us Together



LUCASFILM
Ltd

Prioritizing & Project Kickoff



Back to Basics - CIA Triad

Keeping it
together



Keeping it secret

Keeping it up

[Central Oregon Community College](#)

Fox-in or Fox-out?



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Team or Committee?



Security Team Building

- BU InfoSec Officers – Legal, Finance, Sales, Marketing, HR, Development, IT, etc
- Committee driven
- Executive sponsor
- Internal audit is your friend
- Where are all the resources?



[KissPNG](#)

Security Committee Goals

- Business Security Mission Statement
- Aligning security with each BU
 - what are we protecting?
- Taking detailed inventory
 - Processes, Systems, Data, People
- Budgetize, Prioritize, Projectize
- Reporting directly to C-levels



[KissPNG](#)

Security Assessment & Gap Analysis

- Capability Maturity Model (CMMI)
- Cybermaturity Platform

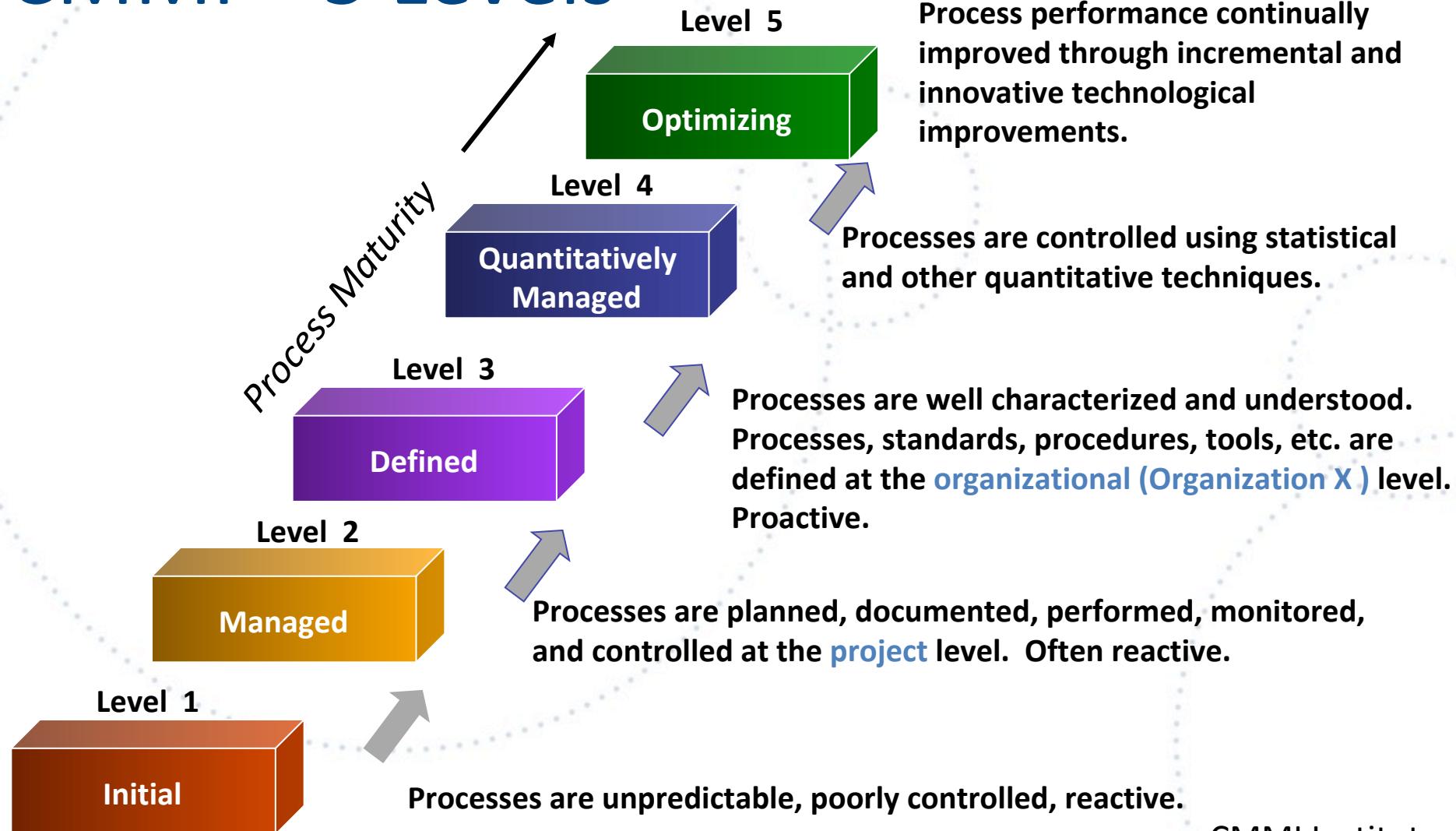


Capability Maturity Model
Integration (CMMI)[®]



Cybermaturity Platform

CMMI – 5 Levels



CMMI Institute



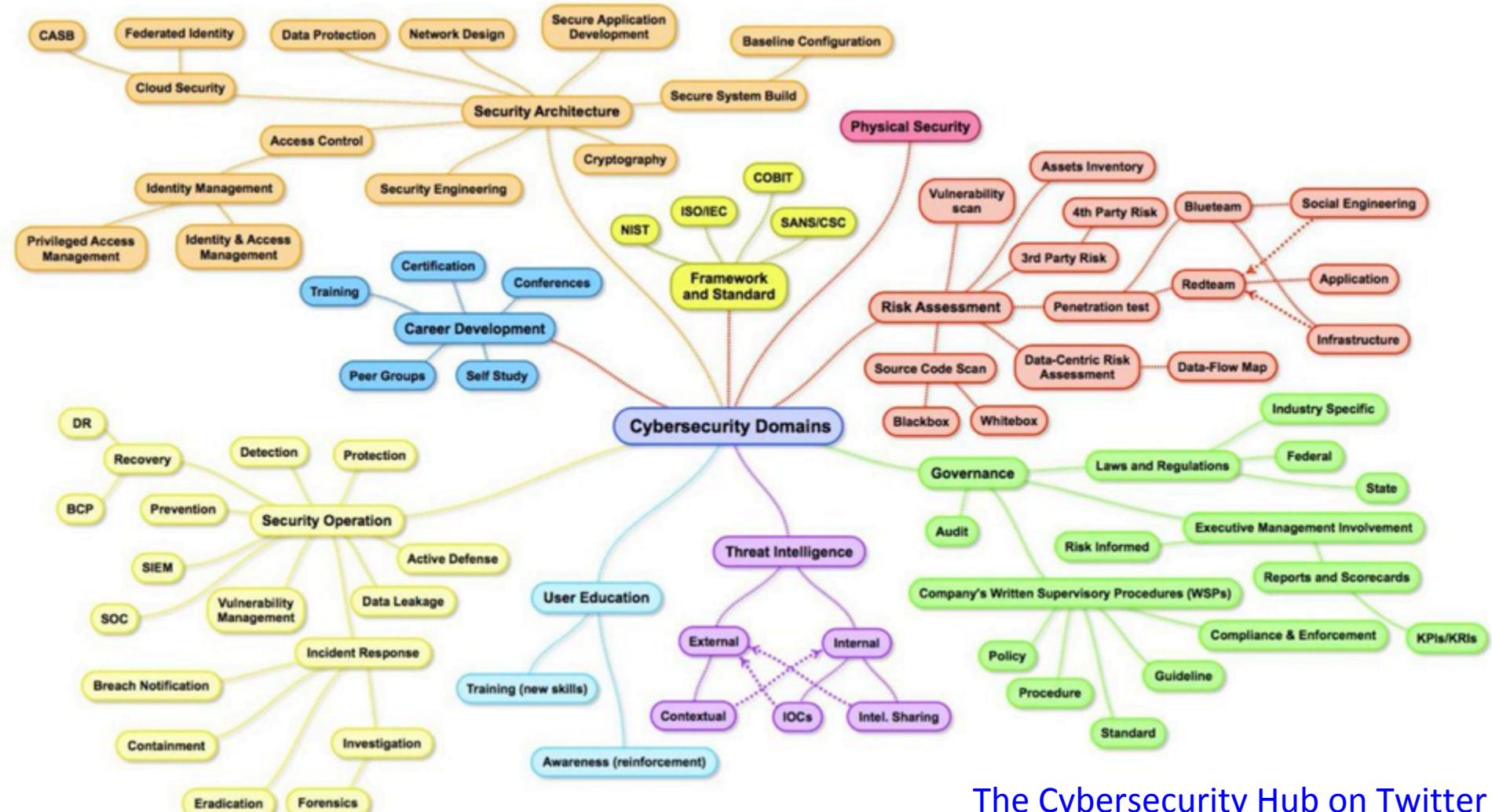
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WTF-OMG Compliance



How and Where to Focus?



[The Cybersecurity Hub on Twitter](#)

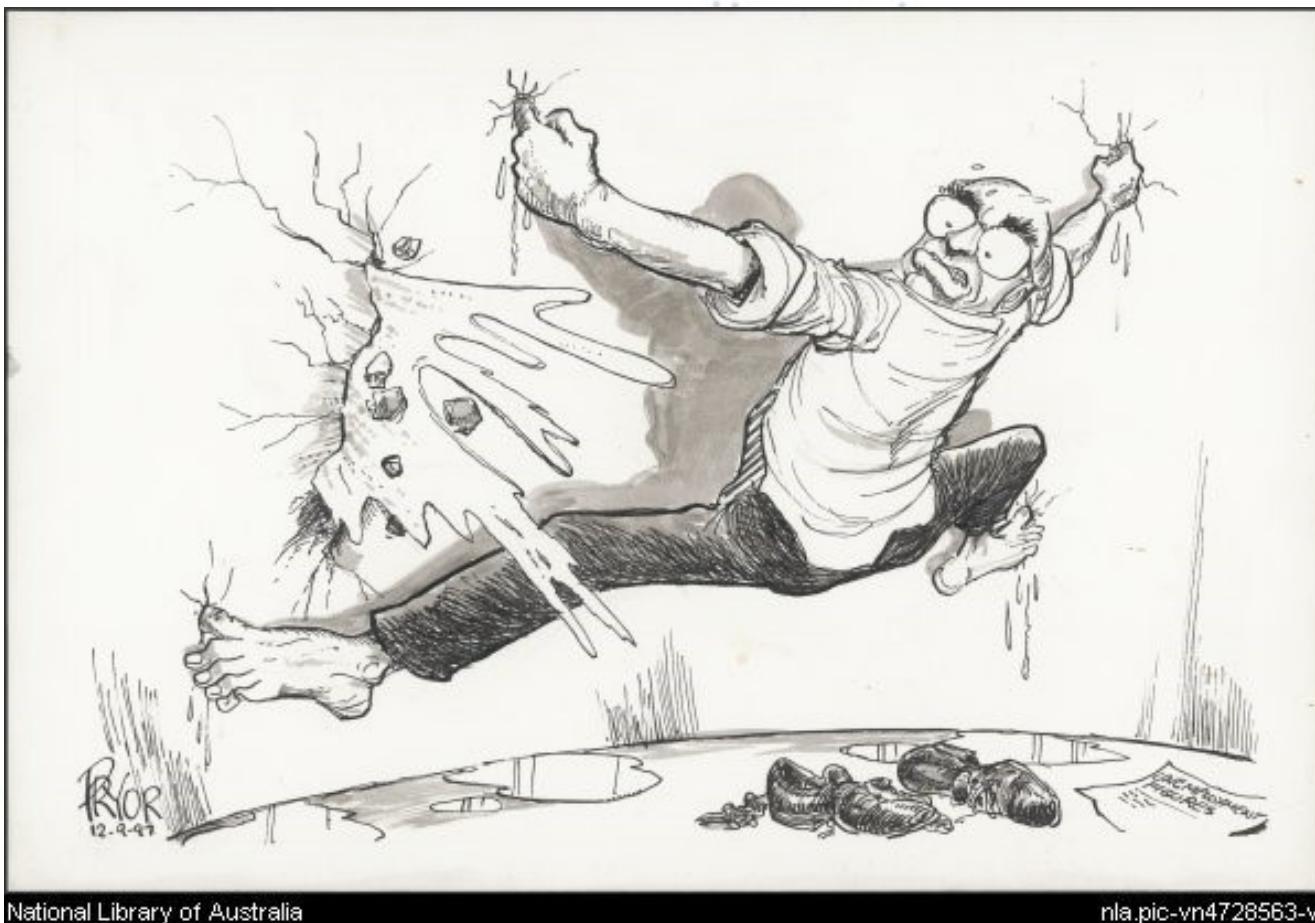


Critical Business Processes

Order to Cash



Patch Management is Paramount!



National Library of Australia

nla.pic-vn4728563-v

National Library of Australia



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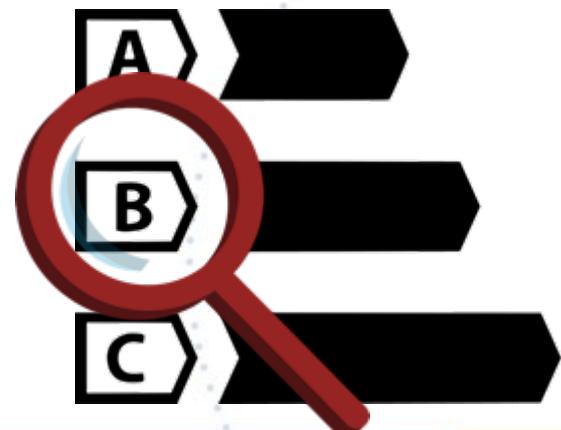
Data Inventory

- What, where, why, when & how
- Follow the data trail
- Backups
- End-user computers
- Storage media
- Archived applications
- What's in the Cloud?



Data Classification

- Public, Internal, Confidential, Secret
- PII: Customer & Employee
- Defined Repositories
- Commensurate Security Levels
- Managed Data Life Cycle



Security Policy

- Compliance Driven
- Business Driven
- Ownership
- 3rd party
- Customer Input
- Training
- Controls Design & Mapping
 - [Cloud Controls Matrix \(CCM\) - Cloud Security Alliance](#)



Building Secure Foundations



Security vs Security Operations



[Wordpress](#)

Security Awareness Training

- Business Unit Relevance
- Joint delivery with BU-ISO
- Compliance driven
- Sec-Dev-Ops Training
- Relevant 3rd Party training



Application Security

- Every company is a technology company
- In-house vs 3rd Party
- Secure SDLC



OWASP your Webapp!

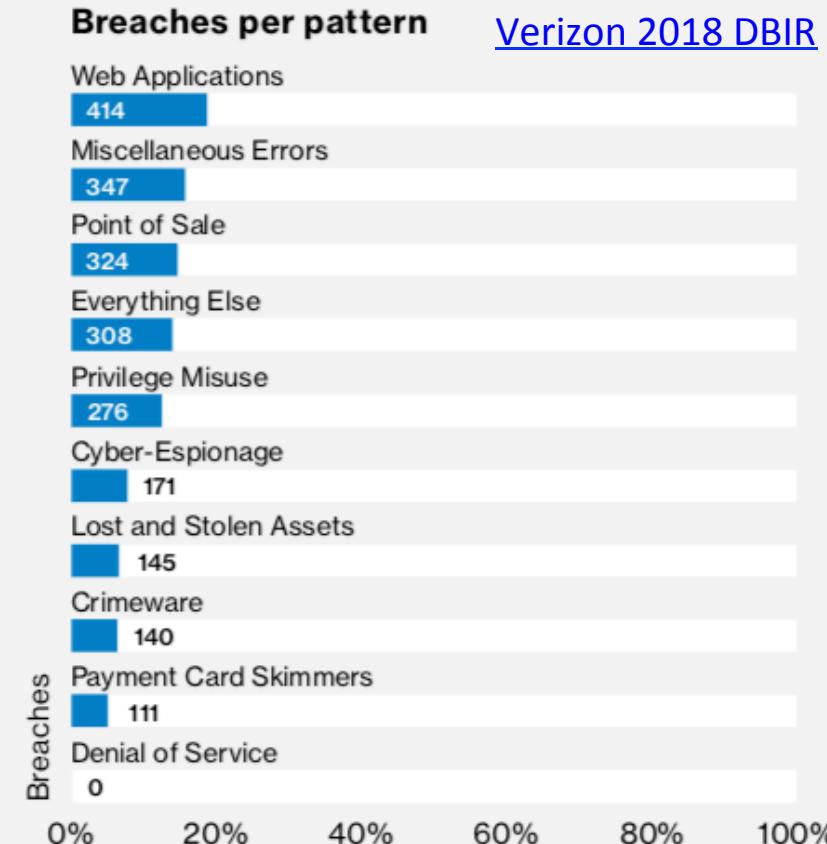


Figure 27. Percentage and count of breaches per pattern (n=2,216)

Business Continuity

- Business Process Driven
- Disaster Recovery
 - Defined RTOs & RPOs
- Backup Strategy
- Denial of Service
- Testing



[Stepup IT](#)

Prepare for the Worst

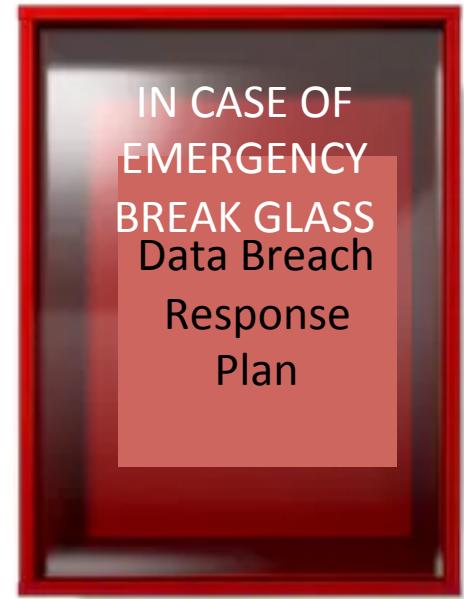


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Data Breach Preparedness

- Breach Scenario Planning
- Table-top Exercises
- Decision Tree
- Detection & Logging
- Contact Lists
- Time-to-Notify
- Bitcoins?!



Customer-Facing Security

- Securing Client Services
- Supporting Sales
- Customer Security Compliance
- Vendor Security Questionnaires
- Legal Agreements – Security Language





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Security is a Board-level Problem



And a message from the



Office of the
Privacy Commissioner
of Canada

- On November 1, 2018, Data Breach Notification Laws will be enforced in Canada



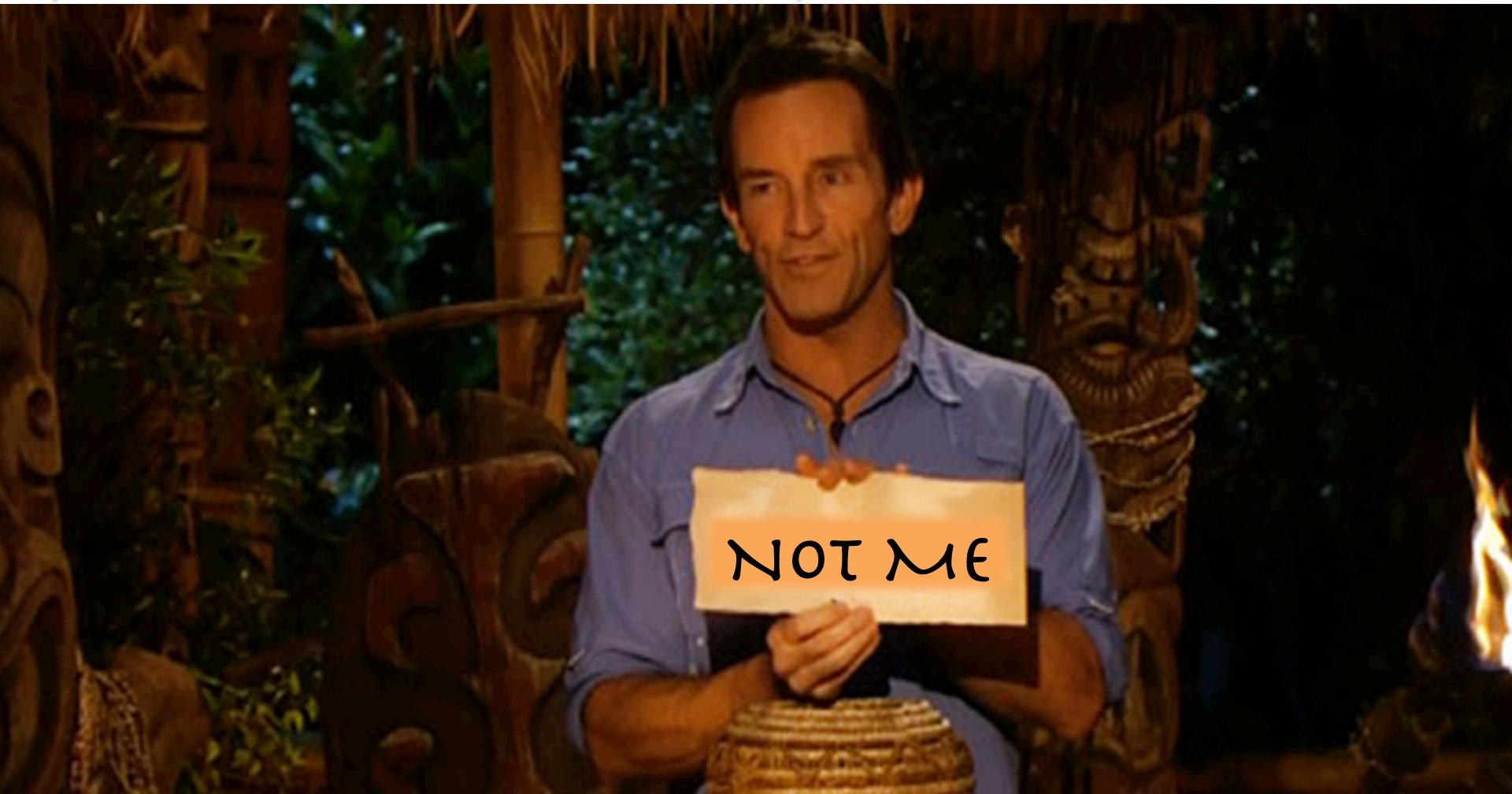
KEEP CALM
DO THE
RIGHT THING
AND CYA



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The Tribe Has Spoken ...



Chief I'm the Scapegoat Officer

