SECURING DATA IN AN UNSECURE WORLD

Sarath Geethakumar
LANDSCAPE

“Perimeter/Endpoint breach is imminent. What happens after, defines the maturity & state of an organization”
PROBLEM OF ONE

Low Value Assets
Corp Tools
Web Pages/Blogs
Production Systems
Remote Access/ICS
Gateways
Workstations
Prod Systems
ATTACK SURFACE
WEAKEST LINK

Harder

Easier
LANDSCAPE

RISK

STRATEGY
“Most organizations affected by breach were compliant to regulatory requirements!!!”
Attack Analysis

- **Exploit:**
  - Malware/Phishing/Drive-by-downloads
  - Vulnerable applications and systems

- **Post-exploitation:**
  - Weak security architecture
  - Weak secure software development
  - Lack vulnerability management
  - Non-existent security monitoring
Convergence of Data + Functionality

Name
Address
Email
SSN
PAN
Purchase.Behavior
Medical
Bank.Account
“Only the paranoid survive”

ANDREW GROVE
PRIORITIZATION

Risk

Value
Beyond Firewall

Think Beyond Firewalls
HYGIENE

Beyond-Firewalls, Access, Patching, Processes...
PREPARE TO FAIL
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