How to Kill Worms and Viruses with Policy Pontifications

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new title (for me)

continuing (Harvard) responsibilities

but now formalized

“University Technology Security Officer”

“technology” because no management of police tasks

helps coordinates ways to ensure compliance to laws

- watches out for new laws

coordinates development, implementation & administration of high-level security policies

helps coordinate security awareness programs

advises CIO

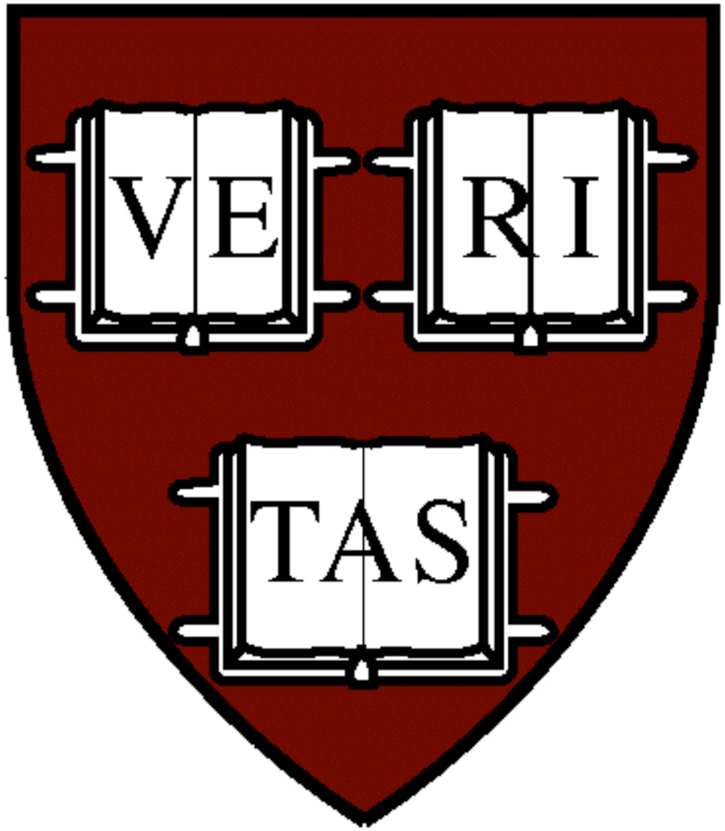
facilitates security & privacy aware culture

monitors security risks

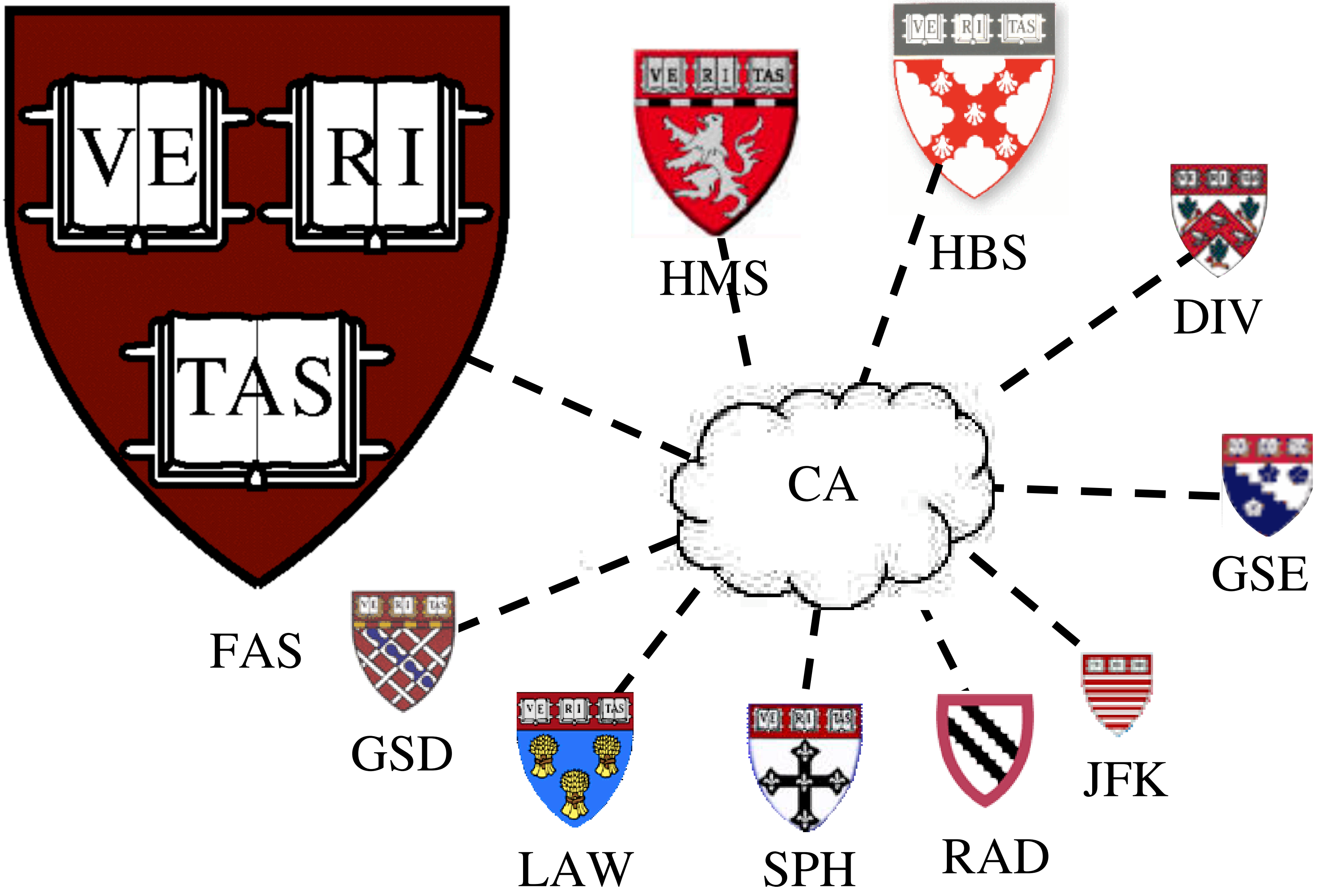
does he actually do anything himself?

Can he?

Harvard looks Like



Reality



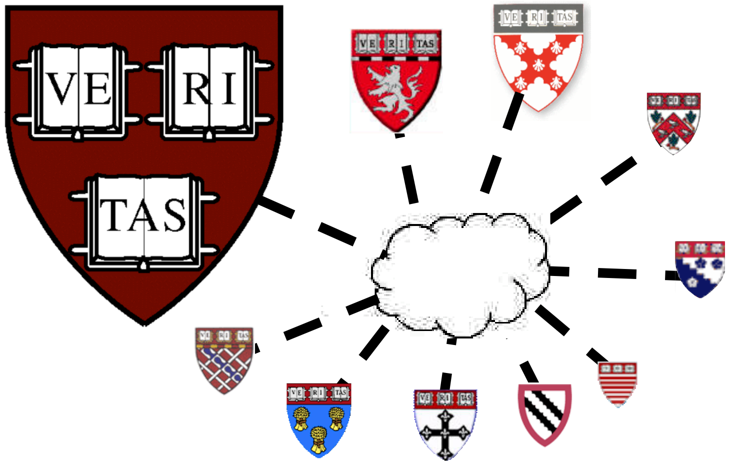
actually, real reality is worse in technology

research lab

research lab

research lab

research lab



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times are changing but are not yet changed

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“ETOB” no longer a legit reason

Lawrence H. Summers

so what can he do?

since assertions of central control falls on deaf ears

chair University Technology Architecture Group (UTAG)

“CIOs” from around the University

vets new technology ideas

e.g. PIN system, LDAP directory

discussion of policies

e.g. wireless nets

work with RMAS & OGC

be a visitor

laws can be used as a stick

FIRPA (Family Educational Rights and Privacy Act) privacy of educational records and directory information

HIPPA (Health Insurance Portability and Accountability Act) privacy of medical records

GLB (Gramm-Leach-Bliley) privacy of financial information

Database Security Breach Act (CA)

DMCA) Digital Millennium Copyright Act - RIAA empowerment act the university technology environment

- no university firewall
  - that would be silly
- some school firewalls
- some internal firewalls

good router ACLs (in some places)

mostly switches

reasonable clue in most official IT groups

near software monoculture on non-student desktops

- mixed server picture

the players

- ca staff
- school staff
- undergrad students
- grad students
- tenants
- researchers
- faculty

my task

  (until Larry changes the culture)

get the schools to think they came up with security and privacy efforts

  use laws as sticks when enthusiasm fades

get buy-in on guidelines

too much
   posture, pontificate & cajole
too little
   “you must”
but I knew what I was getting into
   this bed was already on fire

thanks & have a good lunch