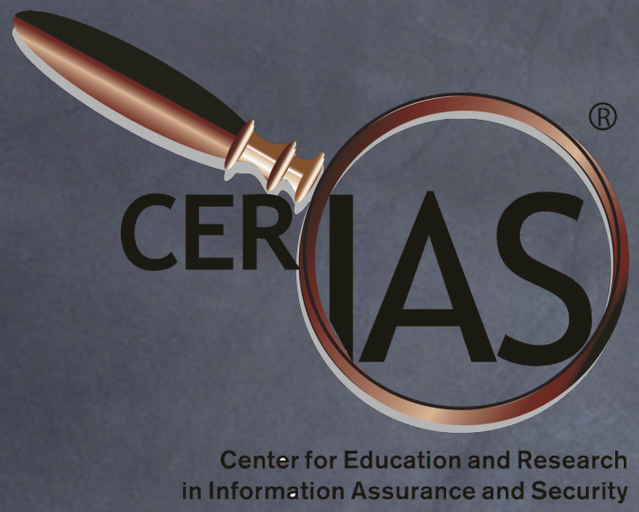
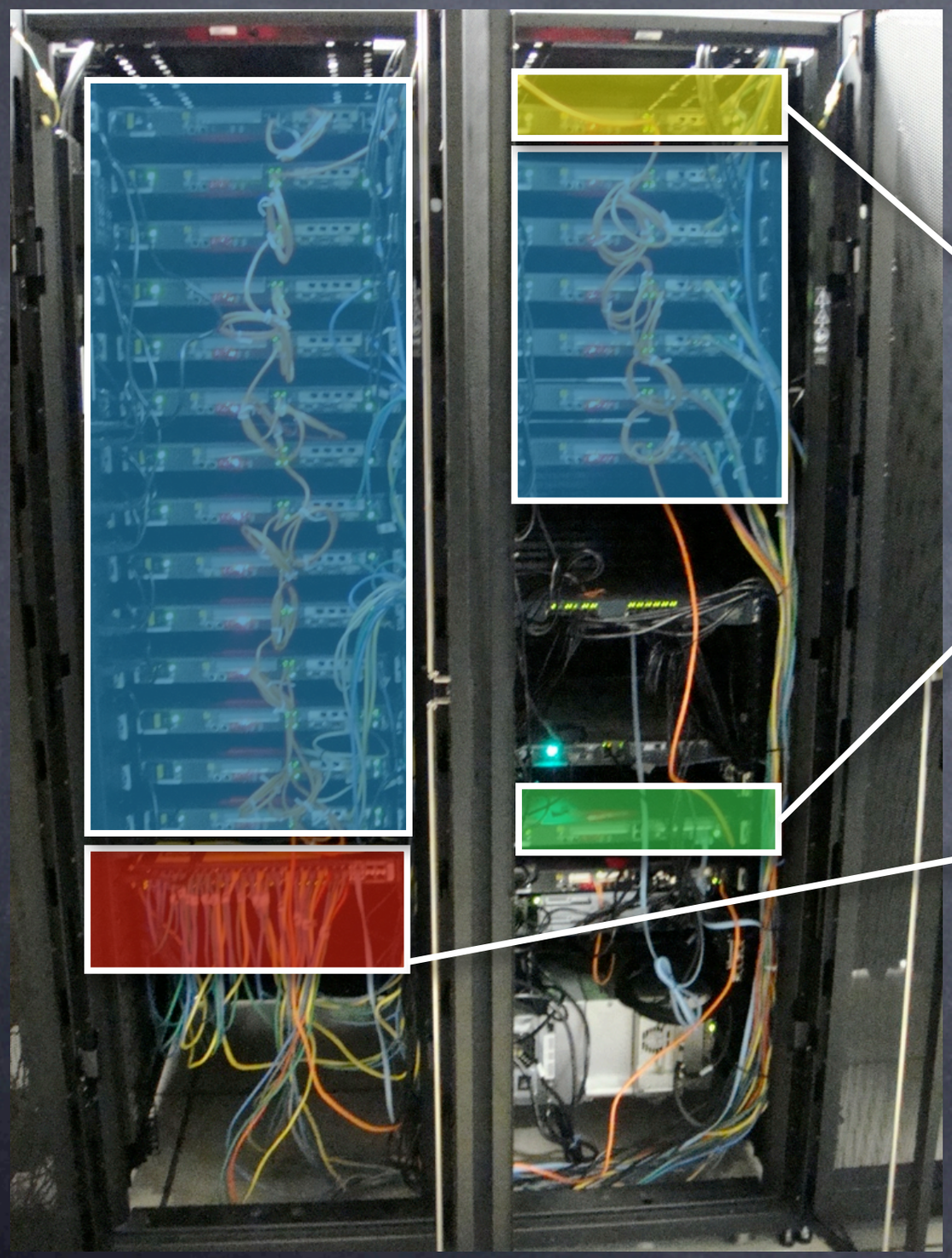


ReAssure & SELinux

PURDUE UNIVERSITY

Jacques Thomas, Pascal Meunier, Patrick Eugster,
and Jan Vitek

ReAssure



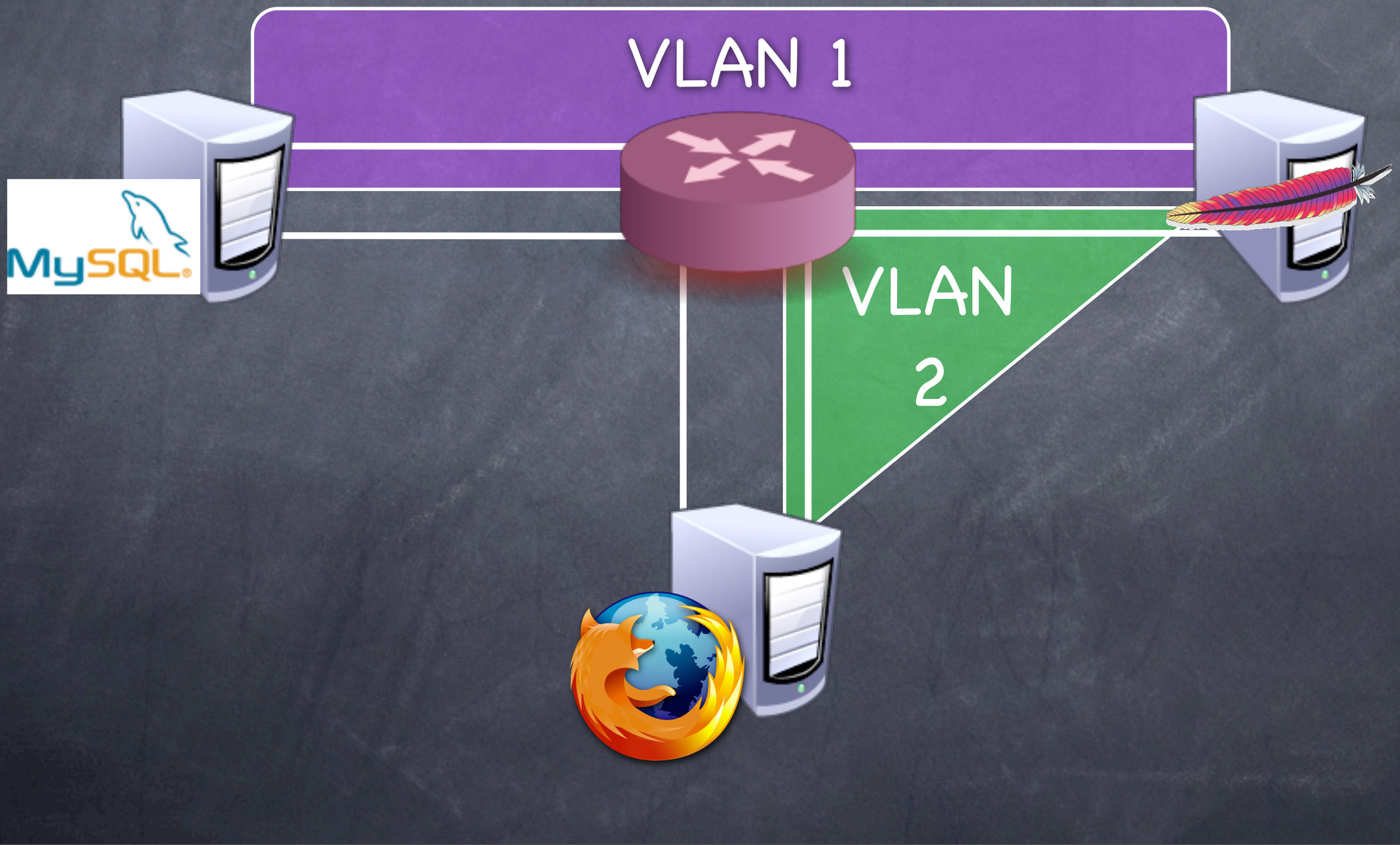
Firewall

Image Server

Managed Switch

Experimental boxes

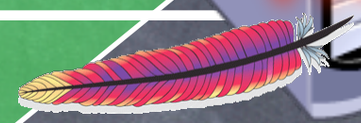
Deploying



Experimenting !

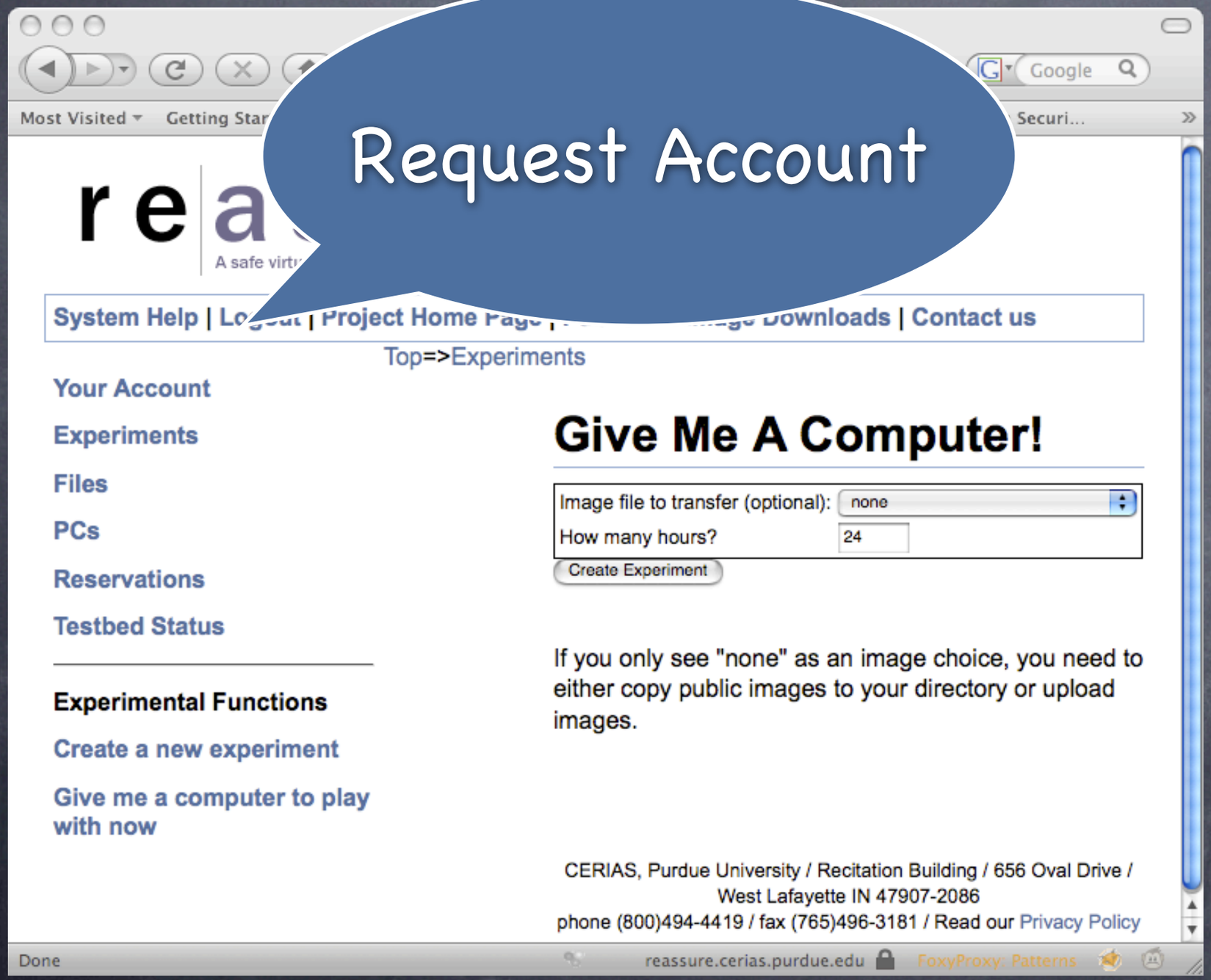
VLAN 1

VLAN 2



https://reassure.cerias.purdue.edu

Request Account



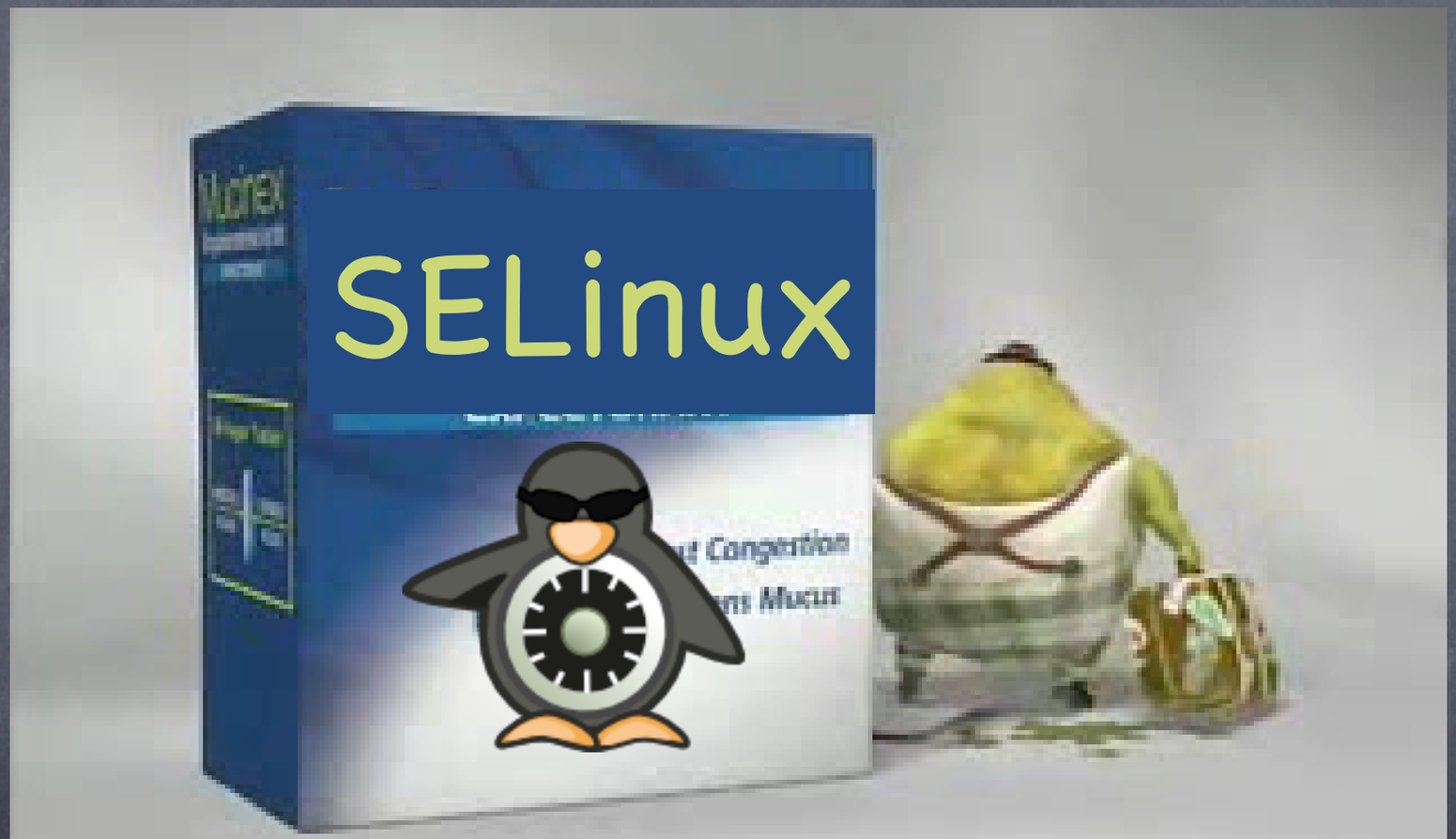
Pascal Meunier

Virtual Machines, Virtual Machines, Virtual Security ?

Accommodative Mandatory Access Control

- Capitalize on SELinux mechanisms
- Administrative model for SELinux
- Custom experiments without VM

Healthy Testbed



SELinux in. Malware out.

Questions

- When is a machine considered clean ?
- How does our SELinux admin model work ?
- Interesting for GENI ?
- Why SELinux ?

Thank you

jthomas@cs.purdue.edu