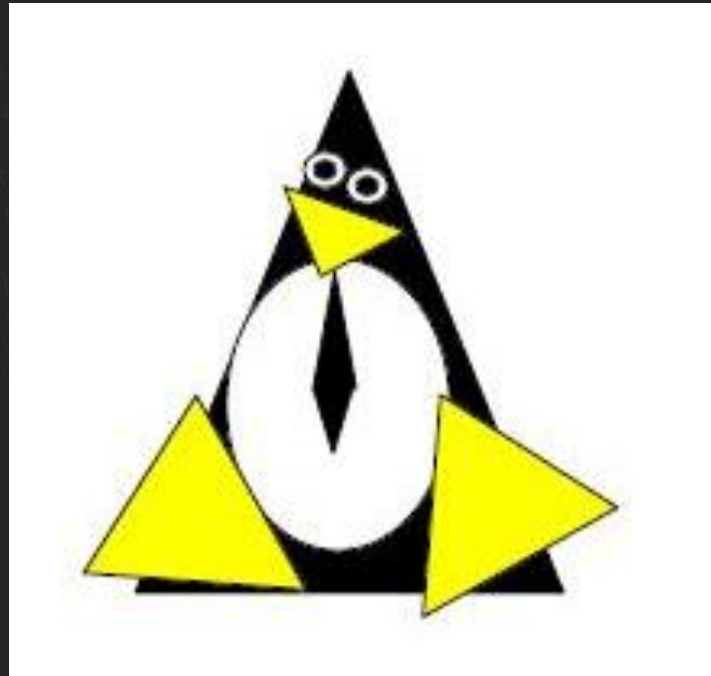


Smack Grows Up a Little

Casey Schaufler



Maturity Isn't (Necessarily) A Bad Thing



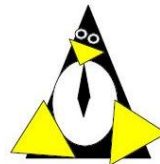
Filling gaps in features

Addressing developer complaints

Real world deployment



Some Things Were Missing



IPv6 host labeling

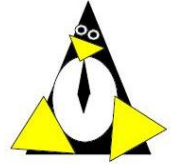
Binary mount data

Read the labels of keys

Netfilter via secmark



Those Developers!



Bringup mode

Not permissive mode!

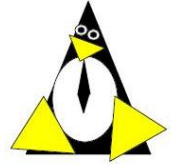
The “b” access

Reports success because of the rule

Unconfined label



Making The Commercial Grade



Multiple labels in onlycap

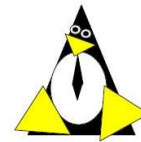
Proper RCU in smackfs

Kernel thread socket labeling

Lock access for floor (“_”) and hat (“^”)



Coming In Smack



Adventures with IPv6

Flexible feature configuration

- Optional IPv4

- Optional old versions of interfaces

- Make Smack smaller

Smack namespaces

- Part of user namespaces?

Maybe kdbus



IPv6!

Tizen

Cynara for Application Privilege controls

Smack namespaces for sandboxing

Integration with kdbus

www.tizen.org



