Smack Veers Mobile
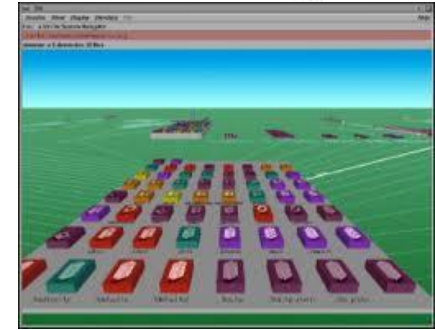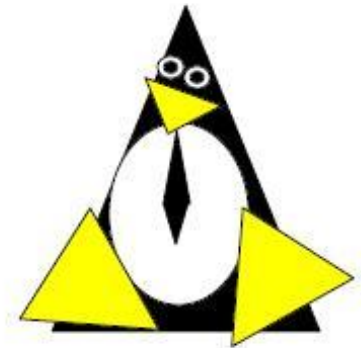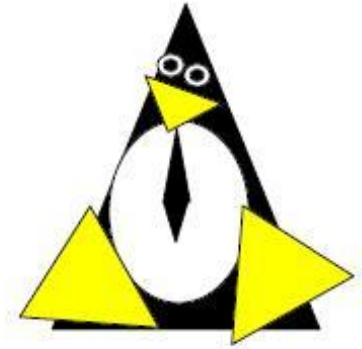
Casey Schaufler

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New Security Models

Distros, sysadmins, users and files are out

Operating systems, user experience, apps and resources are in

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What's New in Smack

Interface for user space access checks

`/smack/access, /smack/access2`

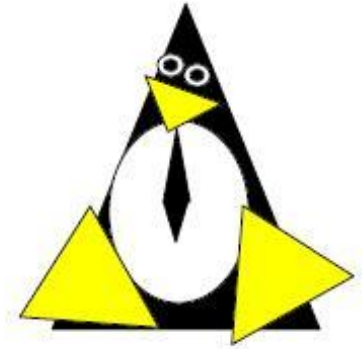Write a rule, read the access check result

Support for **`getsockopt(…, SO_PEERCRED, …)`** for UDS

Liberal policy on waiting for children

Change all rules with a subject label

`/smack/revoke-subject`

What's Changed in Smack

Maximum label size is 255 characters

In support of generated label names

Additional care required if you go off-box
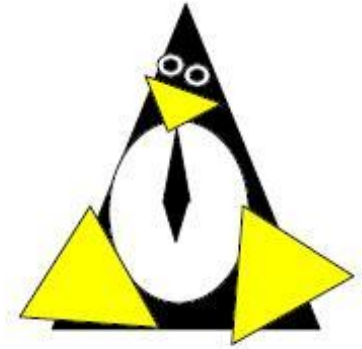
Friendlier rule setting interface

`/smack/load2`

Don't show "basic" rules

"subject object –" won't show in `/smack/load` or `/smack/load2`

Transmuting directories are now recursive

CAP_MAC_ADMIN controlled by `/smack/onlycap`

What's Fixed in Smack

Rule list searching performance

    30% – 95% improvement with 40,000 rules

Removed unnecessary Locking and repaired bounds checks
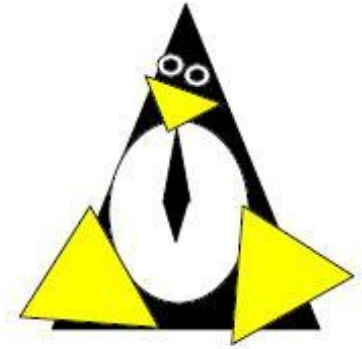
Inconsistency in `fcntl()`
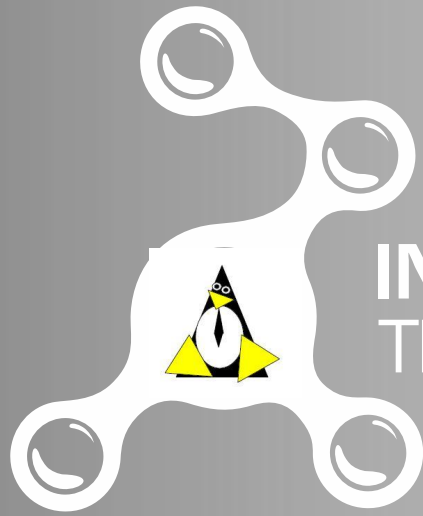
What's Coming For Smack

Tizen

Even better rule list searching performance

True list entry removal

Probably a surprise or two

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