Smack Hits Tizen
Tizen Hits Back

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Tizen the operating system
Smack the security module

People Have To Make Their Own Mistakes

Security domains based on installation package

• Fine for 3rd party applications
• Not so great for coreutils

Turn security on late to make development easier

• It all falls apart when you turn it on
• Smack got blamed for everything

Tizen 3 fixing these issues
What’s New in Smack

Modify existing access rules

/sys/fs/smackfs/change-rule

IPv6 controls on the loopback interface

Mount option for making filesystem root transmuting
What’s Changed in Smack

Mount point moved to /sys/fs/smackfs

Multiple rules per write in load2
  Delimited by newlines
  Significantly faster

Friendlier kernel configuration
What’s Fixed in Smack

Rule list load performance
Access check performance
Several minor memory leaks
What’s Coming For Smack

Tizen 3

Lock access mode

• Setting a read lock is a write operation
• Granting write access to allow read locks would be unfortunate

Support in systemd, dbus, wayland

Probably a surprise or two