
Subject: [PATCH 1/3] capabilities: define CONFIG_COMMONCAP

Posted by [serue](#) on Mon, 01 Oct 2007 14:41:20 GMT

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>From 3bba066917dd4a8a7c368ee1d2e163c3d619bb92 Mon Sep 17 00:00:00 2001

From: Serge E. Hallyn <serue@us.ibm.com>

Date: Fri, 28 Sep 2007 10:33:33 -0500

Subject: [PATCH 1/3] capabilities: define CONFIG_COMMONCAP

currently the compilation of commoncap.c is determined through Makefile logic. So there is no single CONFIG variable which can be relied upon to know whether it will be compiled.

Define CONFIG_COMMONCAP to be true when lsm is not compiled in, or when the capability or rootplug modules are compiled. These are the cases when commoncap is currently compiled. Use this variable in security/Makefile to determine commoncap.c's compilation.

Apart from being a logic cleanup, this is needed by the upcoming cap_bset patch so that prctl can know whether PR_SET_BSET should be allowed.

Signed-off-by: Serge E. Hallyn <serue@us.ibm.com>

security/Kconfig | 4 ++++

security/Makefile | 9 +++-----

2 files changed, 7 insertions(+), 6 deletions(-)

diff --git a/security/Kconfig b/security/Kconfig

index 8086e61..02b33fa 100644

--- a/security/Kconfig

+++ b/security/Kconfig

@ @ -103,6 +103,10 @ @ config SECURITY_ROOTPLUG

If you are unsure how to answer this question, answer N.

+config COMMONCAP

+ bool

+ default !SECURITY || SECURITY_CAPABILITIES || SECURITY_ROOTPLUG

+

source security/selinux/Kconfig

endmenu

diff --git a/security/Makefile b/security/Makefile

index ef87df2..7cccc81 100644

--- a/security/Makefile

```
+++ b/security/Makefile
@@ -5,14 +5,11 @@
obj-$(CONFIG_KEYS) += keys/
subdir-$(CONFIG_SECURITY_SELINUX) += selinux

-# if we don't select a security model, use the default capabilities
-ifneq ($(CONFIG_SECURITY),y)
-obj-y += commoncap.o
-endif
+obj-$(CONFIG_COMMONCAP) += commoncap.o

# Object file lists
obj-$(CONFIG_SECURITY) += security.o dummy.o inode.o
# Must precede capability.o in order to stack properly.
obj-$(CONFIG_SECURITY_SELINUX) += selinux/built-in.o
-obj-$(CONFIG_SECURITY_CAPABILITIES) += commoncap.o capability.o
-obj-$(CONFIG_SECURITY_ROOTPLUG) += commoncap.o root_plug.o
+obj-$(CONFIG_SECURITY_CAPABILITIES) += capability.o
+obj-$(CONFIG_SECURITY_ROOTPLUG) += root_plug.o
--
1.5.1.6
```

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Containers@lists.linux-foundation.org
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