
Subject: [PATCH 3/3] capabilities: reduce current's caps when reducing bset
Posted by [serue](#) on Mon, 01 Oct 2007 14:42:07 GMT

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>From 2a0af2a5364ab568fa603cc9fdaeef67d82dc56 Mon Sep 17 00:00:00 2001
From: Serge E. Hallyn <serue@us.ibm.com>
Date: Fri, 28 Sep 2007 14:07:03 -0500
Subject: [PATCH 3/3] capabilities: reduce current's caps when reducing bset

When a task sets it's capability bounding set, ensure that
pl pE and pP are subsets of the new bounding set.

(note the new bset is a subset of the original)

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

security/commoncap.c | 6 ++++++
1 files changed, 6 insertions(+), 0 deletions(-)

```
diff --git a/security/commoncap.c b/security/commoncap.c
index 324ff2a..dcd5af4 100644
--- a/security/commoncap.c
+++ b/security/commoncap.c
@@ -585,6 +585,12 @@ int cap_prctl_setbset(unsigned long new_bset)
    if (!cap_issubset(new_bset, current->cap_bset))
        return -EPERM;
    current->cap_bset = new_bset;
+ current->cap_effective = cap_intersect(current->cap_effective,
+ new_bset);
+ current->cap_permitted = cap_intersect(current->cap_permitted,
+ new_bset);
+ current->cap_inheritable = cap_intersect(current->cap_inheritable,
+ new_bset);
    return 0;
}
```

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1.5.1.6

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