
Subject: [RFC] [PATCH -mm] reiser4: replace uid==0 check with capability
Posted by [serue](#) on Wed, 12 Dec 2007 21:01:07 GMT

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>From c257cb67ce00c8769730cfa92379a53009d99b28 Mon Sep 17 00:00:00 2001
From: serue@us.ibm.com <serue@us.ibm.com>
Date: Wed, 5 Dec 2007 14:02:45 -0800
Subject: [RFC] [PATCH -mm] reiser4: replace uid==0 check with capability

Reiser4 gives root some reserved blocks. Replace the uid==0 check, which is not safe in the face of user namespaces, with a CAP_SYS_RESOURCE check, which seems appropriate.

The per-uid and per-gid reservations appear unimplemented so I'm ignoring them.

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

fs/reiser4/super.c | 2 +-
1 files changed, 1 insertions(+), 1 deletions(-)

diff --git a/fs/reiser4/super.c b/fs/reiser4/super.c
index bc4113e..50e3d09 100644

--- a/fs/reiser4/super.c

+++ b/fs/reiser4/super.c

@@ -144,7 +144,7 @@ long reiser4_reserved_blocks(const struct super_block *super /* super block

```
    reserved += reserved_for_gid(super, gid);  
    if (REISER4_SUPPORT_UID_SPACE_RESERVATION)  
        reserved += reserved_for_uid(super, uid);  
- if (REISER4_SUPPORT_ROOT_SPACE_RESERVATION && (uid == 0))  
+ if (REISER4_SUPPORT_ROOT_SPACE_RESERVATION &&  
capable(CAP_SYS_RESOURCE))  
    reserved += reserved_for_root(super);  
    return reserved;  
}
```

--

1.5.1

Containers mailing list
Containers@lists.linux-foundation.org
<https://lists.linux-foundation.org/mailman/listinfo/containers>

Subject: Re: [RFC] [PATCH -mm] reiser4: replace uid==0 check with capability
Posted by [Edward Shishkin](#) on Wed, 12 Dec 2007 23:36:27 GMT

Serge E. Hallyn wrote:

```
>>From c257cb67ce00c8769730cfa92379a53009d99b28 Mon Sep 17 00:00:00 2001
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>is not safe in the face of user namespaces, with a CAP_SYS_RESOURCE check,
>which seems appropriate.
>
>
>
```

Agreed. Thanks,
Edward.

```
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>them.
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>Signed-off-by: Serge Hallyn <serue@us.ibm.com>
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> reserved += reserved_for_gid(super, gid);
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>+ if (REISER4_SUPPORT_ROOT_SPACE_RESERVATION &&
capable(CAP_SYS_RESOURCE))
> reserved += reserved_for_root(super);
> return reserved;
> }
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```