

## pfSense - Bug #10978

rc.initial tries to execute rc.local.running even if it doesn't exist, and even if it is already running.

10/15/2020 12:01 PM - alzee bum

<b>Status:</b>	Resolved	<b>Start date:</b>	10/15/2020
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Renato Botelho	<b>% Done:</b>	100%
<b>Category:</b>	Console Menu	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.5.0	<b>Affected Version:</b>	
<b>Plus Target Version:</b>		<b>Affected Architecture:</b>	
<b>Release Notes:</b>	Default		

### Description

See code here: <https://github.com/pfsense/pfsense/blob/master/src/etc/rc.initial#L33>

Lines 33-46 check for rc.local and if it exists, try to execute it as well as rc.local.running if rc.local is not currently running. If rc.local is currently running, then rc.local.running is executed.

This results in an error on the console every time you log in if rc.local is present and rc.local.running is not, as well as executing the rc.local every time you log in via SSH -- instead of just once at boot as would be expected on a BSD based system. This point should probably be reported as a separate bug, I only just discovered the behavior while filling out this report.

### Associated revisions

#### Revision 449fdf25 - 10/15/2020 12:43 PM - Renato Botelho

Fix #10978: Run rc.local and rc.local.running

Fix the logic used to detect if rc.local and/or rc.local.running are or not running and execute them only when it's needed

### History

#### #1 - 10/15/2020 12:44 PM - Renato Botelho

- Category set to Console Menu
- Status changed from New to Feedback
- Assignee set to Renato Botelho
- Target version set to 2.5.0

#### #2 - 10/15/2020 12:50 PM - Renato Botelho

- % Done changed from 0 to 100

Applied in changeset [449fdf250171616d4865bfd5c865c64035e14496](https://github.com/pfsense/pfsense/commit/449fdf250171616d4865bfd5c865c64035e14496).

#### #3 - 10/15/2020 12:52 PM - alzee bum

Renato Botelho wrote:

Applied in changeset [449fdf250171616d4865bfd5c865c64035e14496](https://github.com/pfsense/pfsense/commit/449fdf250171616d4865bfd5c865c64035e14496).

Thanks Renato, that looks like it will work.

Should I open a different PR regarding .profile and rc.initial (and thus rc.local) being executed every time you log in on the console? I don't know why this is the case, but from a purely BSD perspective, its not what anyone would reasonably expect rc.local to do.

**#4 - 10/15/2020 12:56 PM - Renato Botelho**

- Status changed from *Feedback* to *Resolved*

alzee bum wrote:

Renato Botelho wrote:

Applied in changeset [449fdf250171616d4865bfd5c865c64035e14496](#).

Thanks Renato, that looks like it will work.

Should I open a different PR regarding `.profile` and `rc.initial` (and thus `rc.local`) being executed every time you log in on the console? I don't know why this is the case, but from a purely BSD perspective, its not what anyone would reasonably expect `rc.local` to do.

To be honest with you I just realized it happens after you mentioned. There must be some historical reasons and we will need to figure it out. Please open a different bug for this one.

**#5 - 10/19/2020 09:34 AM - Jim Pingle**

`.profile` is expected to be executed at each login, which it is.

`.profile` runs `rc.initial` during an interactive session for `admin/root` to present the menu, which is also expected.

I don't recall why `rc.initial` tries to run `rc.local`, though. At least not the way pfSense is currently running.

In the past I think it might have been set that way because `rc.initial` runs when the menu is displayed on the console at the end of the boot process, so it was a way to let users run custom commands at boot. Probably before we had things like `shellcmd` and so on.

It's probably safe to kill, but does need its own separate issue.

**#6 - 10/19/2020 09:36 AM - alzee bum**

I did create another issue for it a few days ago as requested.

<https://redmine.pfsense.org/issues/10980>