

FreeNAS - Bug #10159

Jails that have long names fail to autostart

06/11/2015 07:58 AM - Hans Woithe

Status:	Resolved		
Priority:	Important		
Assignee:	John Hixson		
Category:	Middleware		
Target version:	N/A		
Seen in:	9.3-STABLE-201506042008	Needs Merging:	Yes
Severity:	New	Needs Automation:	No
Reason for Closing:		Support Suite Ticket:	n/a
Reason for Blocked:		Hardware Configuration:	
Needs QA:	Yes	ChangeLog Required:	No
Needs Doc:	Yes		

Description

Jails that have long names fail to autostart.

The ix-jail startup script is supposed to start all jails marked with autostart. If the script is not given a list of jails it will try to find the jails to start. It does this by calling jail_get defined in /etc/rc.freenas

<https://github.com/freenas/freenas/blob/master/src/freenas/etc/ix.rc.d/ix-jail#L126>

```
...
126: jails=$(jail_get|awk '{ print $1 }')
...
```

The jail_get function then calls warden to list the jails.

<https://github.com/freenas/freenas/blob/master/build/nanobsd-cfg/Files/etc/rc.freenas#L599>

```
...
599: ${WARDEN} list|tail +3
...
```

Warden calls listjails.sh

<https://github.com/freenas/freenas/blob/master/src/pcbsd/warden/bin/warden#L910>

```
...
910: lockf "/var/tmp/.wlist" ${PROGDIR}/scripts/backend/listjails.sh "$@" ;;
...
```

The listjails.sh does not guarantee a separator when printing out the jail's name. This is the case in both FreeNAS and PC-BSD.

<https://github.com/freenas/freenas/blob/master/src/pcbsd/warden/scripts/backend/listjails.sh#L245>

```
...
245: warden_printf "%-24s%-12s%-12s%-12s\n" "${JAILNAME}" ${AUTO} ${STATUS} ${TYPE}
...
```

<https://github.com/pcbsd/pcbsd/blob/master/src-sh/warden/scripts/backend/listjails.sh#L185>

```
...
185: printf "%-24s%-12s%-12s%-12s\n" ${JAILNAME} ${AUTO} ${STATUS} ${TYPE}
...
```

So you can have a list that contains entries such as:

```
jailname-jailname-jailnameEnabled   Stopped   standard
```

This will not allow the `jail_get_autostart` function in `/etc/rc.freenas` to correctly identify if the jail needs to be automatically started, because it will get an incorrect jail name as the input string.

There are many ways to fix this of course.

For example, Warden could guarantee a separator.

If you are paranoid that this will break something else then, at the very least, the web and REST interfaces should limit the length of the Jail's name.

Associated revisions

Revision 58b451b1 - 06/18/2015 11:51 AM - John Hixson

Use a space delimiter in warden list output

Ticket: #10159

Revision 9fcb2963 - 06/18/2015 11:54 AM - John Hixson

Use a space delimiter in warden list output

Ticket: #10159

(cherry picked from commit 58b451b10148b5babec62749f352c64274b70a43)

Revision 46e2072f - 06/18/2015 11:54 AM - John Hixson

Use a space delimiter in warden list output

Ticket: #10159

(cherry picked from commit 58b451b10148b5babec62749f352c64274b70a43)

History

#1 - 06/11/2015 01:16 PM - Jordan Hubbard

- Assignee changed from John Hixson to Kris Moore

- Target version set to Unspecified

Warden issue, and one which also affects PC-BSD at that, over to Kris.

#2 - 06/12/2015 05:34 AM - Kris Moore

- Assignee changed from Kris Moore to John Hixson

Bouncing this over to John Hixson, we've already begin the process of ripping out warden in favour of "iocage", so this won't be fixed on PC-BSD.

#3 - 06/15/2015 01:24 PM - John Hixson

- Status changed from Unscreened to Screened

#4 - 06/16/2015 02:02 PM - John Hixson

I expect to look at this some time this week.

#5 - 06/17/2015 02:29 PM - John Hixson

- Status changed from Screened to Closed: Behaves correctly

What problem is occurring because of this? I got a chance to look at this, and there isn't an issue here. Yes, a warden list will mangle the output from long jail names, however, if you look at the very code you've pasted, it does a warden list -v, which was designed for this very issue. Run the same code posted with a long jail name and there is no problem. The desired output is obtained correctly.

#6 - 06/18/2015 10:49 AM - Hans Woithe

The problem that is occurring because of this is that jails fail to automatically start when the FreeNAS machine is rebooted.

The "-v" you are referring to is from jail_get_autostart, I assume.

<https://github.com/freenas/freenas/blob/master/build/nanobsd-cfg/Files/etc/rc.freenas#L543>

```
...
543: ${WARDEN} list -v "${name}"|awk '/^autostart:/ { print $2 }'
...
```

The input string for \${name} is invalid and would be "jailname-jailname-jailnameEnabled" instead of "jailname-jailname-jailname." Warden would fail to print the verbose description of the jail because it cannot find the matching jail name since it is mangled.

#7 - 06/18/2015 11:52 AM - John Hixson

- Status changed from Closed: Behaves correctly to Screened

My apologies. I see what you are saying. Setting ix-jail with set -x clearly shows this as well. Fixed in [58b451b10148b5babec62749f352c64274b70a43](https://github.com/freenas/freenas/blob/master/build/nanobsd-cfg/Files/etc/rc.freenas#L58b451b10148b5babec62749f352c64274b70a43).

#8 - 06/18/2015 11:55 AM - John Hixson

- Status changed from Screened to Ready For Release

#9 - 06/21/2015 01:06 PM - Jordan Hubbard

- Priority changed from No priority to Important

#10 - 06/22/2015 06:43 PM - Jordan Hubbard

- Status changed from Ready For Release to Resolved

#11 - 08/26/2016 01:42 PM - Kris Moore

- Target version changed from Unspecified to N/A