

## FreeNAS - Bug #27548

### Can't dynamically create tun\* devices in iocage jails

01/02/2018 02:00 PM - Daniel Kempkens

<b>Status:</b>	Closed: Behaves correctly	
<b>Priority:</b>	No priority	
<b>Assignee:</b>	Brandon Schneider	
<b>Category:</b>	Middleware	
<b>Target version:</b>	N/A	
<b>Seen in:</b>	11.1	<b>Needs Merging:</b> Yes
<b>Severity:</b>	New	<b>Needs Automation:</b> No
<b>Reason for Closing:</b>		<b>Support Suite Ticket:</b> n/a
<b>Reason for Blocked:</b>		<b>Hardware Configuration:</b>
<b>Needs QA:</b>	Yes	<b>ChangeLog Required:</b> No
<b>Needs Doc:</b>	Yes	

#### Description

Setting up a new VNET iocage jail, installing and configuring OpenVPN (as a client) and trying to start the service results in the following error in /var/log/messages:

```
Jan  2 22:44:24 test openvpn[61265]: Cannot allocate TUN/TAP dev dynamically
Jan  2 22:44:24 test openvpn[61265]: Exiting due to fatal error
```

This has also been discussed over at the [FreeNAS Forums](#).

The proposed solution (adding a devfs rule and "statically" creating the interface on the host) seems to hacky to me and definitely isn't required for Warden-based jails.

I have an old Warden-based jail - with no special configuration whatsoever - and OpenVPN just works.

#### Related issues:

Related to FreeNAS - Bug #40872: Add ability to allocate TUN devices dynamica...

Done

#### History

##### #1 - 01/02/2018 02:04 PM - Dru Lavigne

- Assignee changed from Release Council to Brandon Schneider
- Target version set to 11.3

##### #2 - 01/04/2018 09:51 PM - Brandon Schneider

- Status changed from Unscreened to Closed: Behaves correctly

As noted in that forum post: devfs rule -s 4 add path 'tun\*' unhide in pre-init is the correct solution. iocage is by default secure and limits the devices that a user can create inside the jail.

##### #3 - 01/05/2018 04:22 AM - Dru Lavigne

- Target version changed from 11.3 to N/A

##### #4 - 08/29/2018 12:43 PM - Dru Lavigne

- Related to Bug #40872: Add ability to allocate TUN devices dynamically in iocage added

**#5 - 09/25/2018 08:43 AM - Steve Levey**

Is there any chance this broke in 11.2 Beta 3?

devfs rule -s 4 add path 'tun\*' unhide in pre-init worked in Beta 2, but I am now getting this error again.

**#6 - 09/25/2018 09:07 AM - Coyt Barringer**

I agree with Steve. I'm working through this problem right now and adding that devfs rule is not doing anything. OpenVPN still throws same error on 11.2-BETA3. No clue how to fix it though.

**#7 - 09/25/2018 03:20 PM - Steve Levey**

Confirmed.. went back to Beta 2. OpenVPN came up just fine

On Beta 2

```
freenas# devfs rule -s 4 show
```

```
100 include 1
```

```
200 include 2
```

```
300 include 3
```

```
400 path zfs unhide
```

```
500 path tun* unhide
```

```
600 path bpf* unhide
```

On Beta 3

```
freenas# devfs rule -s 4 show
```

```
100 include 1
```

```
200 include 2
```

```
300 include 3
```

```
400 path zfs unhide
```

**#8 - 09/25/2018 03:40 PM - Steve Levey**

Nevermind... It looks like it has already been reported

<https://redmine.ixsystems.com/issues/45919>