

FreeBSD Administration - Support #937

Setup Linux Emulation on FreeBSD

05/23/2018 03:03 PM - Daniel Curtis

Status:	Suspended	Start date:	05/23/2018
Priority:	Normal	Due date:	
Assignee:	Daniel Curtis	% Done:	0%
Category:	Jails / Containers	Estimated time:	1.00 hour
Target version:	FreeBSD 11	Spent time:	0.00 hour

Description

This is a guide for setting up Linux emulation on FreeBSD 11.

Prepare the Environment

- Make sure the system is up to date:

```
pkg update && pkg upgrade
```

Install Linux base

- Load the Linux kernel module:

```
kldload linux
```

- Check that it was loaded:

```
kldstat
```

- Install the CentOS 7 Linux base:

```
pkg install linux-c7
```

- Edit /etc/fstab:

```
vi /etc/fstab
```

- And add the following:

```
linprocfs /compat/linux/proc linprocfs rw 0 0
linsysfs /compat/linux/sys linsysfs rw 0 0
tmpfs /compat/linux/dev/shm tmpfs rw,mode=1777 0 0
```

- Mount the Linux filesystems:

```
mount /compat/linux/proc
mount /compat/linux/sys
mount /compat/linux/dev/shm
```

Resources

- <https://fleximus.org/howto/setup-linux-emulation-in-freebsd>
- <https://www.freebsd.org/doc/handbook/linuxemu-lbc-install.html>

History

#1 - 05/23/2018 03:04 PM - Daniel Curtis

- *Description updated*

#2 - 02/18/2022 08:06 PM - Daniel Curtis

- *Status changed from New to Suspended*