

FreeBSD Administration - Support #774

Convert FreeBSD 10 to PCBSD

03/10/2016 05:12 PM - Daniel Curtis

Status:	Closed	Start date:	03/10/2016
Priority:	Normal	Due date:	
Assignee:	Daniel Curtis	% Done:	100%
Category:	Workstation	Estimated time:	1.50 hour
Target version:	FreeBSD 10	Spent time:	2.00 hours

Description

This is a guide on converting a FreeBSD 10 installation to a PCBSD desktop.

Prepare the Environment

- Make sure the system is up to date:

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

- Then, disable the FreeBSD package repository:

```
mv /etc/pkg/FreeBSD.conf /root/FreeBSD.conf-old
```

- Now create the pkg repos directory:

```
mkdir -p /usr/local/etc/pkg/repos
```

- Then, create the PCBSD repo file:

```
vi /usr/local/etc/pkg/repos/pcbsd.conf
```

- And add the following:

```
pcbsd: {  
    url: "http://pkg.cdn.pcbsd.org/10.0-RELEASE/amd64",  
    signature_type: "fingerprints",  
    fingerprints: "/usr/local/etc/pkg/fingerprints/pcbsd",  
    enabled: true  
}
```

- Next, create the pkg fingerprints directories:

```
mkdir -p /usr/local/etc/pkg/fingerprints/pcbsd/revoked  
mkdir -p /usr/local/etc/pkg/fingerprints/pcbsd/trusted
```

- Then, download the repository's fingerprint file:

```
cd /usr/local/etc/pkg/fingerprints/pcbsd/trusted/  
fetch --no-verify-peer https://raw.githubusercontent.com/pcbsd/pcbsd/master/src-sh/pcbsd-utils/  
pc-extractoverlay/ports-overlay/usr/local/etc/pkg/fingerprints/pcbsd/trusted/pkg.cdn.pcbsd.or  
g.20131209
```

- Update the package database and any installed packages:

```
pkg upgrade -fy
```

Converting FreeBSD to a PC-BSD Desktop

- Once the repository configuration is complete install the base components:

```
fetch --no-verify-peer -o /etc/freebsd-update.conf 'https://github.com/pcbsd/freebsd/raw/master/etc/freebsd-update.conf'  
freebsd-update fetch  
freebsd-update install
```

- Then setup the installation to be a PC-BSD desktop

```
pkg install -fy pcbsd-base  
rehash  
pbreg set /PC-BSD/SysType PCBSD  
pc-extractoverlay ports  
pc-extractoverlay desktop
```

- Install a desktop environment:

```
pkg install pcbsd-meta-lxde
```

- Setup the first boot scripts:

```
touch /var/.runxsetup  
touch /var/.pcbsd-firstboot  
touch /var/.pcbsd-firstgui
```

- Then, reboot the system:

```
reboot
```

NOTE: If you are using NVIDIA video hardware, load the driver before rebooting into the display wizard:

```
pkg install pcbsd-meta-nvidia
```

Resources

- <https://forums.pcbsd.org/thread-20411.html>

History

#1 - 03/10/2016 06:43 PM - Daniel Curtis

- Description updated

- Status changed from New to Resolved

- % Done changed from 0 to 100

#2 - 03/12/2016 04:31 PM - Daniel Curtis

- Status changed from Resolved to Closed

#3 - 04/16/2016 03:48 PM - Daniel Curtis

- Description updated