

FreeBSD Administration - Support #770

Automated Installation of FreeBSD Using pc-sysinstall

03/04/2016 10:49 PM - Daniel Curtis

Status:	Closed	Start date:	03/06/2016
Priority:	Normal	Due date:	
Assignee:	Daniel Curtis	% Done:	100%
Category:	Installation	Estimated time:	1.00 hour
Target version:	FreeBSD 10	Spent time:	2.00 hours

Description

This is a guide on how I manually setup FreeBSD with a ZFS root on a GPT formatted hard drive using the very useful pc-sysinstall utility. This guide is intended to install FreeBSD using the installation DVD and will work offline.

- When the FreeBSD Installer Welcome message appears, choose **Shell**.
- Get a list of available drives:

```
camcontrol devlist
```

- Create a pcinstall.local.cfg file:

```
vi /tmp/pcinstall.local.cfg
```

- And add the following:

```
#$FreeBSD$
# Automatic fresh install
installInteractive=no
installMode=fresh
installType=FreeBSD

# Local Installation Media
installMedium=local
localPath=/usr/freebsd-dist
packageType=dist
distFiles=base kernel lib32
pkgExt=.txz

netSaveDev=AUTO-DHCP

# Disk Setup for ada0
disk0=ada0
partition=ALL
bootManager=none
commitDiskPart

# Partition Setup for ada0 (ALL)
disk0-part=ZFS 0 /, /usr, /var
commitDiskLabel

# Optional Components
#installComponents=

# Root Password
rootPass=SuperSecretRootPassword

# Users
userName=bob
```

```
userComment=Bob Guy
userPass=SuperSecretPassword
userShell=/bin/csh
userHome=/home/bob
userGroups=wheel,operator
commitUser
```

- Run the pc-sysinstall utility with the created config file:

```
pc-sysinstall -c /tmp/pcinstall.local.cfg
```

Resources

- <http://web.pcbsd.org/doc-archive/10.1.2/html/advanced.html>
- <https://www.freebsd.org/cgi/man.cgi?query=pc-sysinstall&sektion=8&n=1>
- <https://github.com/freebsd/freebsd/tree/master/usr.sbin/pc-sysinstall/examples>

History

#1 - 03/04/2016 10:52 PM - Daniel Curtis

- Description updated
- Status changed from New to Resolved
- % Done changed from 0 to 100

#2 - 03/12/2016 02:17 PM - Daniel Curtis

- Status changed from Resolved to Closed