

TinyBSD

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1

TinyBSD

Marten Vijn

not a teacher

not a trainer

not from sales

2

TinyBSD

What you need now is

- Notebook or PC
- FreeBSD booted

3

TinyBSD

```
cd /usr/local/tools/tinybsd  
sh ./tinybsd
```

4

TinyBSD

Install from package or ports

- subversion
- qemu

```
# pkg_add -r subversion qemu kqemu-kmod
```

```
# cd /usr/ports/devel/subversion  
# make install  
# cd /usr/ports/emulators/qemu  
# make install
```

5

TinyBSD

Program

- First buildsession
- Install some packages
- Intro TinyBSD
- What it is and what not
- Tools and Background info
- Do a small project
- Documentate project
- Share knowlegde

6

TinyBSD

My Goals

- Put you in charge
- Find bugs
- Feature requests
- Get more and better documentation

7

TinyBSD

This is a workshop!

Were do you want be in 2,5 hours?

8

TinyBSD

What is TinyBSD?

- stripped FreeBSD
- > 18 Mb
- runs readonly
- can run in memory
- no packaging system
- Jean Milanez Melo & PatrickTracanelli
- <http://www.tinybsd.org/tinybsd>

9

TinyBSD

Where is used

- firewalls
- mp3 player
- bluetooth
- wifi accesspoints
- City wide wireless networks
- noise monitoring (geluidsnet.nl)

10

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Fun:

- usb-stick
- cfcard
- sdcard

11

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More Fun:

alix /soekris/wrap
nullmodem cable
(usb 2 serial adapter)

12

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Learn by doing

13

TinyBSD

Project examples

- usbstick with gpg **
- accesspoint *
- simple firewall **
- firewall (carp+pf) ***
- bluetooth box ***
- tiny webserver **
- mp3 player **

14

TinyBSD

Resources :

<http://www.tinybsd.org/tinybsd>

Howto:

<http://www.martenvijn.nl/trac/wiki/TinyBSD>

Samples:

<http://www.martenvijn.nl/svn/tinybsd/>
<http://bsd.wifisoft.org/svn/projects/nek/>
<http://bluespot.wifisoft.org/svn/trunk/>

15

TinyBSD

Pick up project (or create one)
Work in alone or groups

16

TinyBSD

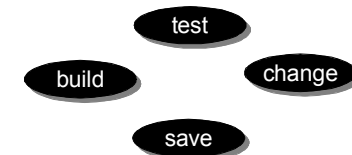
Documentation

http://martenvijn.nl/trac/wiki/TinyBSD_samples

eurobsd2008

17

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18

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Questions.....

19

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What have you done?
What did you learn?
What were the issues?
How did you handle issues?

20

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Thanks....

21