

TinyBSD

Marten Vijn

a FreeBSD user

irc freenode #leidenuniv,#occ
info@martenvijn.nl

TinyBSD

Marten Vijn

not a teacher

not a trainer

not from sales

TinyBSD

What you need now is

- Notebook or PC
- FreeBSD booted

TinyBSD

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

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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
```

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

TinyBSD

My Goals

Put you in charge

Find bugs

Feature requests

Get more and better documentation

TinyBSD

This is a workshop!

Where do you want to be in 2,5 hours?

TinyBSD

What is TinyBSD?

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

TinyBSD

Where is used

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

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Fun:

- usb-stick
- cfc card
- sd card

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More Fun:

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

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Learn by doing

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Project examples

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

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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/>

TinyBSD

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

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Documentation

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

europsd2008

TinyBSD

test

build

change

save

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Questions.....

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

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Thanks....