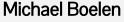


Use Case:

Commercieel gaan met je open source project, hoe doe je dat?



michael@cisofy.com



Michael Boelen

- Security
- Open source
 - Rootkit Hunter (malware)
 - Lynis (security)
- Blog: linux-audit.com





Arnoud Engelfriet

- IT lawyer
- Open source specialist
- blog.iusmentis.com





Use Case: Lynis

Lynis

- 2007
- Security scanner
- Linux / Unix

```
[+] Users, Groups and Authentication
 - Search administrator accounts...
 - Checking UIDs...
                                                             [ OK ]
 - Checking chkgrp tool...
                                                             [ FOUND ]
 - Consistency check /etc/group file...
                                                             [ OK ]
 - Test group files (grpck)...
                                                             [ WARNING ]
- Checking login shells...
 - Checking non unique group ID's...
                                                             [ OK ]
 - Checking non unique group names...
                                                             [ OK ]
                                                            [ NOT ENABLED ]
 - Checking LDAP authentication support
- Check /etc/sudoers file
                                                             [ NOT FOUND ]
Press [ENTER] to continue, or [CTRL]+C to stop ]
[+] Shells
 - Checking console TTYs...
                                                             [ WARNING ]
 - Checking shells from /etc/shells...
  Result: found 6 shells (valid shells: 6).
Press [ENTER] to continue, or [CTRL]+C to stop ]
[+] File systems
 - [FreeBSD] Querying UFS mount points (fstab)...
                                                             [ OK ]
 - Query swap partitions (fstab)...
                                                             [ OK ]
 - Testing swap partitions...
                                                             [ OK ]
                                                             [ WARNING ]
- Checking for old files in /tmp...
 - Checking /tmp sticky bit...
                                                             [ OK ]
```



The Idea: Lynis++

Start

- 2013
- Community
- Business



Build a Business

Easy!

- CoC/VAT
- Website
- Get customers



Belastingdienst



Build a Business

Reality...

- Customers
- Time
- Responsibilities



Customer Segments

Small companies:

- Detection
- Guidance
- Good feeling



Customer Segments

Big companies:

- Reporting
- Save time
- Compliance



Bonus Challenge: Community

- Usage
- Nessus / Tripwire
- Features



Solution

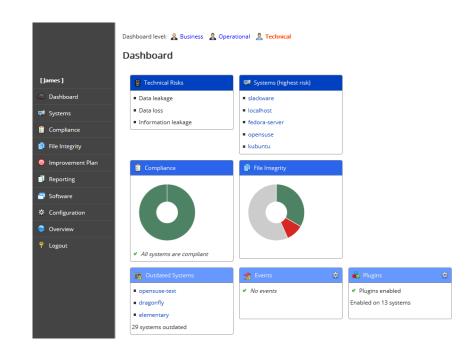
Community	Customers
Lynis	Lynis
	Central management
(data export)	Reporting / Compliance
(some plugins)	Additional plugins
(basic help)	Hardening snippets
(best effort support)	Support



Lynis Enterprise

- Happy community
- Business value

$$1 + 1 = 3!$$



Ownership

- My name or company?
- Contributors?



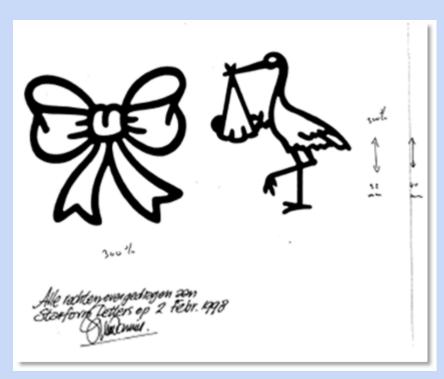
Copyright Owner



- Actual creator
- Employer
- Freelancer
- Assignment only by written and signed instrument



Copyright Assignment



```
$ cat hash.md5

595f44fec1e92a71d3e9e77456ba80d1 filetohashA.txt

71f920fa275127a7b60fa4d4d41432a3 filetohashB.txt

43c191bf6d6c3f263a8cd0efd4a058ab filetohashC.txt
```

```
View Scrollback Bookmarks Settings Help
                                         dboth : bash
dboth@david1 - 15 ls -1
total 2096
ny-ny-r--. 1 dboth dboth
                            7740 2008-06-26 16:49 alice.txt
dnoxnoxr-x. 2 dboth dboth
                          4096 2009-10-28 17:55 bis
-ry------ 1 dboth dboth 421246 2009-07-30 07:02 bookmarks.html
                          76467 2009-01-05 16:39 DavidsAddresses.ldif
                              50 2006-02-26 20:55 dbath.sig
                             4096 2006-11-16 11:02 letel
            1 dboth dboth 196576 2009-10-23 14:28 Kaddressbook ldif
            2 dboth dboth
                             4096 2006-07-23 08:00 ksysquard
                             4096 2009-11-06 17:42 Pictures
inexr-xr-x. 2 dboth dboth
                             1855 2009-06-17 15:01 screen-configurations.xml
nv-nv-r--. 1 dboth dboth
                             362 2008-04-05 09:17 Short.SIG
                              294 2009-03-27 06:44 ShortTech.SIG
                              174 2007-03-26 16:24 SourceForge.SIG
                             4096 2009-06-17 15:00 Templates
                             4096 2009-02-20 12:41 vboxshared
druxr-xr-x. 3 dboth dboth
                             4096 2009-08-24 08:11 Videos
[dboth@david1 ~]$
```

Rb. Den Haag 27 juni 2007, IEF 4262



Assignment or Contributor License?

Assignment:

- All in one hand
- Easy to relicense
- Requires trust from contributors
- Requires managing paper with signatures

Contributor license:

- Contributor retains ownership
- No relicensing without permission
- Easier to contribute



Liability

- Snippet
- Bad advice
- Internationally



Liability

- OSS license protects you
- Negotiate limitation in commercial license
- Consider liability insurance
- Use GTC for professional advice



EULA / license

- Lynis: GPL
- Enterprise: SaaS solution
- Enterprise: On-premise version



Service providers

- White label
- Dual licensing?



Proprietary License

- EULA: Standard license for end users, support maybe/maybe not included
- TOS: Standard license for SaaS
- Enterprise license: large corporations, includes support & service levels

→ Why is paid license more attractive?



Proprietary License

- License scope: per user, per company?
- Payment structure
- Audit rights
- Limitation of liability
- Indemnification
- Term & termination



OSS License Choices

Open source can be used commercially!

Goal:

Make closed version <u>more</u> attractive for businesses than open version



OSS License Choices

• GPLv3: the Big Bad, full copyleft

AGPLv3: the SaaS Big Bad

LGPL/Mozilla: limited copyleft

BSD: no copyleft, free reuse



NDA signing

- Financial company in US
- Sign their NDA
- No NDA = No Business



NDA Signing

- Single- or double-sided?
- Definition of Authorized Purpose
- Definition of Confidential Information
- Ownership of IP
- Obligation to negotiate?

Always review!





Partnerships

- Company in different country
- Wants to be a partner
- How to define contracts?



Partner Agreement

Affiliate

- Brings in leads for a fee
- You own the customer
- How to handle lead quality?

Reseller

- Sells licenses, pays a fee/percentage
- Who handles support?
- What if customer does not pay to reseller?



Investors

- What to share?
- What if they offer €10M?



Investors

- Signing NDA or not?
- Due diligence
- Letter of intent

(this is where you really need a lawyer)





Questions?

More Information

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