AUUG Presentation to CEGACT

11 June 2003



Martin Schwenke

















2/8

ullet Australian UNIX igotimes and Open Systems User Group.













П

- AUU Ç
 - 2/8

- ullet Australian UNIX igotimes and Open Systems User Group.
- Unix.













AUUĞ

- ullet Australian UNIX igotimes and Open Systems User Group.
- Unix.
- Open Systems.













Λυυ<u>ς</u>

- ullet Australian UNIX igotimes and Open Systems User Group.
- Unix.
- Open Systems.
- Open Standards.













AUUĞ

- ullet Australian UNIX igotimes and Open Systems User Group.
- Unix.
- Open Systems.
- Open Standards.
- Open Source Software.













AUUĢ

- ullet Australian UNIX igotimes and Open Systems User Group.
- Unix.
- Open Systems.
- Open Standards.
- Open Source Software.
- Linux and *BSD.













Proprietary Software

Λυυς.

- Non-trivial purchase cost.
- Restrictive license.













Proprietary Software

- ΛUUĞ.
 - 3/8

- Non-trivial purchase cost.
- Restrictive license.
- Executables only difficult to modify (even if license permits):

```
00000350: e8ab 7cfb f783 c410 c9c3 9090 5589 e583
                                                   00000360: ec08 83e4 f0b8 0000 0000 29c4 83ec 0c68
                                                   ....h
00000370: d483 0408 e813 ffff ff83 c410 83ec 0c6a
                                                   . . . . . . . . . . . . . . . . . 1
00000380: 00e8 16ff ffff 9090 5589 e553 52a1 bc94
                                                   .......U..SR...
00000390: 0408 83f8 ffbb bc94 0408 740c 83eb 04ff
                                                   ........t...t...
000003a0: d08b 0383 f8ff 75f4 585b c9c3 5589 e553
                                                   ....u.X[..U..S
                                                   000003b0: 83ec 04e8 0000 0000 5b81 c318 1100 00e8
000003c0: 30ff ffff 8b5d fcc9 c300 0000 0300 0000
                                                   0....
000003d0: 0100 0200 4865 6c6c 6f20 776f 726c 6421
                                                   ....Hello world!
000003e0: 0d00 0000 0000 0000 0000 0000 c894 0408
                                                   . . . . . . . . . . . . . . . . . . .
. . . . . . . .
```















Open Source Software/Free Software

Λυυς

- No required purchase cost.
- Licenses encourage sharing.















Open Source Software/Free Software

- AUUÇ
 - 4/8

- No required purchase cost.
- Licenses encourage sharing.
- Source code provided 'easy' to modify (encouraged):

```
#include <stdio.h>
#include <stdlib.h>

int
main()
{
        printf("Hello world!\n");
        exit (0);
}
```















5/8

• One of the more 'restrictive' licenses.















- One of the more 'restrictive' licenses.
- If you modify the source and distribute resulting executables, then you must distribute your modified source.















- One of the more 'restrictive' licenses.
- If you modify the source and distribute resulting executables, then you must distribute your modified source.
- Redistribution is encouraged.















- One of the more 'restrictive' licenses.
- If you modify the source and distribute resulting executables, then you must distribute your modified source.
- Redistribution is encouraged.
- You can sell this Free Software but the thing being sold tends to be a service. . .















- One of the more 'restrictive' licenses.
- If you modify the source and distribute resulting executables, then you must distribute your modified source.
- Redistribution is encouraged.
- You can sell this Free Software but the thing being sold tends to be a service. . .
- http://www.gnu.org/licenses/gpl.html















6/8

• Linux is an operating system kernel originally written by Linus Torvalds in 1991 and released under the GPL.















- Linux is an operating system kernel originally written by Linus Torvalds in 1991 and released under the GPL.
- A Linux distribution is a Linux kernel bundled with other software.













- Λυυg
 - 6/8

- Linux is an operating system kernel originally written by Linus Torvalds in 1991 and released under the GPL.
- A Linux distribution is a Linux kernel bundled with other software.
- Some software developed separately, sometimes predating the Linux kernel: GNU software, X Window System, BIND, Sendmail, . . .













- AUUĞ
 - 6/8

- Linux is an operating system kernel originally written by Linus Torvalds in 1991 and released under the GPL.
- A Linux distribution is a Linux kernel bundled with other software.
- Some software developed separately, sometimes predating the Linux kernel: GNU software, X Window System, BIND, Sendmail, . . .
- Estimated development cost of Red Hat Linux 7.1:
 - Total Physical Source Lines of Code (SLOC) = 30,152,114.
 - Estimated Development Effort in Person-Years = 7955.75.
 - Total Estimated Cost to Develop = USD 1,074,713,481.
 Generated using 'SLOCCount' by David A. Wheeler.

















7/8

• Choice.













AUUĞ

- Choice.
- Cost-effective.















AUUĞ

- Choice.
- Cost-effective.
- Accessible.















AUUÇ

- Choice.
- Cost-effective.
- Accessible.
- Teach.















AUUĞ

- Choice.
- Cost-effective.
- Accessible.
- Teach.
- Contribute.















Program

		Į	
Λ	U	U	Ğ

18:05	Linux in Extremadura, Spain	Rusty Russell (Linux hacker)
18:20	Linux and Open Source Software	Martin Schwenke (CAUUG)
18:45	Sun's StarOffice education scheme	Laurie Wong (Sun)
19:05	Break	
19:30	Teaching Linux at CIT	Judy Adams,
		James Hamilton (CIT)
19:50	Linux/OSS at Hawker College	Andrew Bartlett
	,	(Hawker College)
20:05	Open Source at DCS, ANU	Chris Johnson (ANU)
20:15	About Linux Australia	Andrew Tridgell
		(Linux Australia)
20:25	Close	,











