

# Linux – Boot to Root



# What's free software?

Why must you use free software?

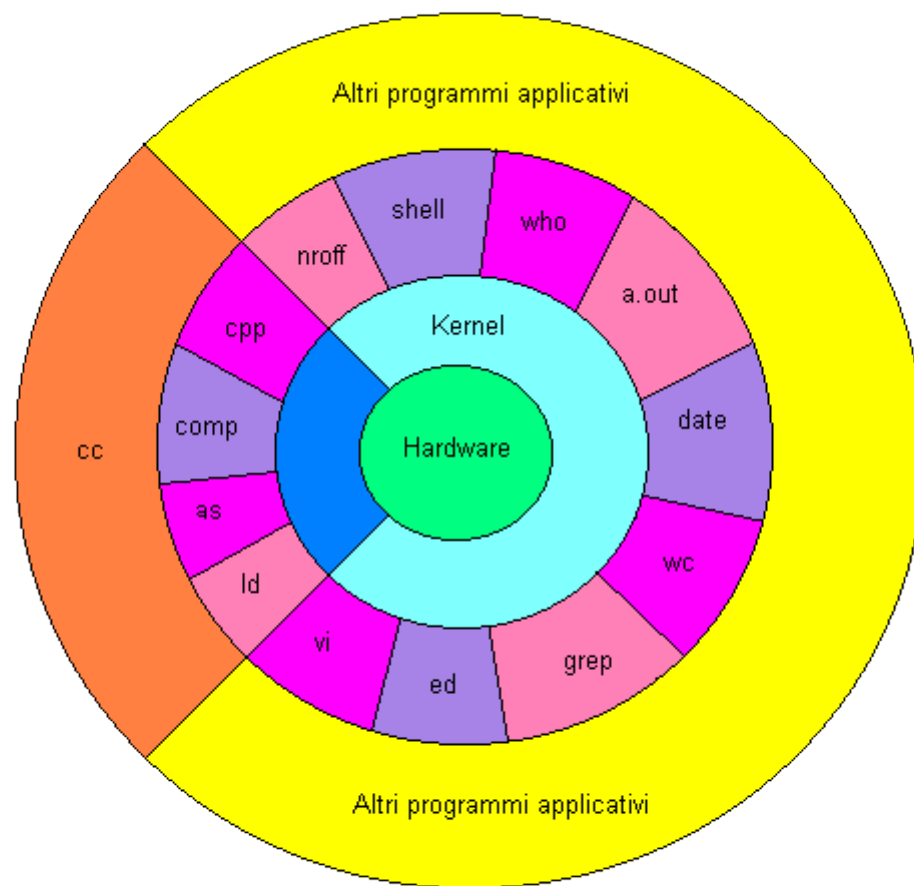
What a student can learn with free software?

Only linux?

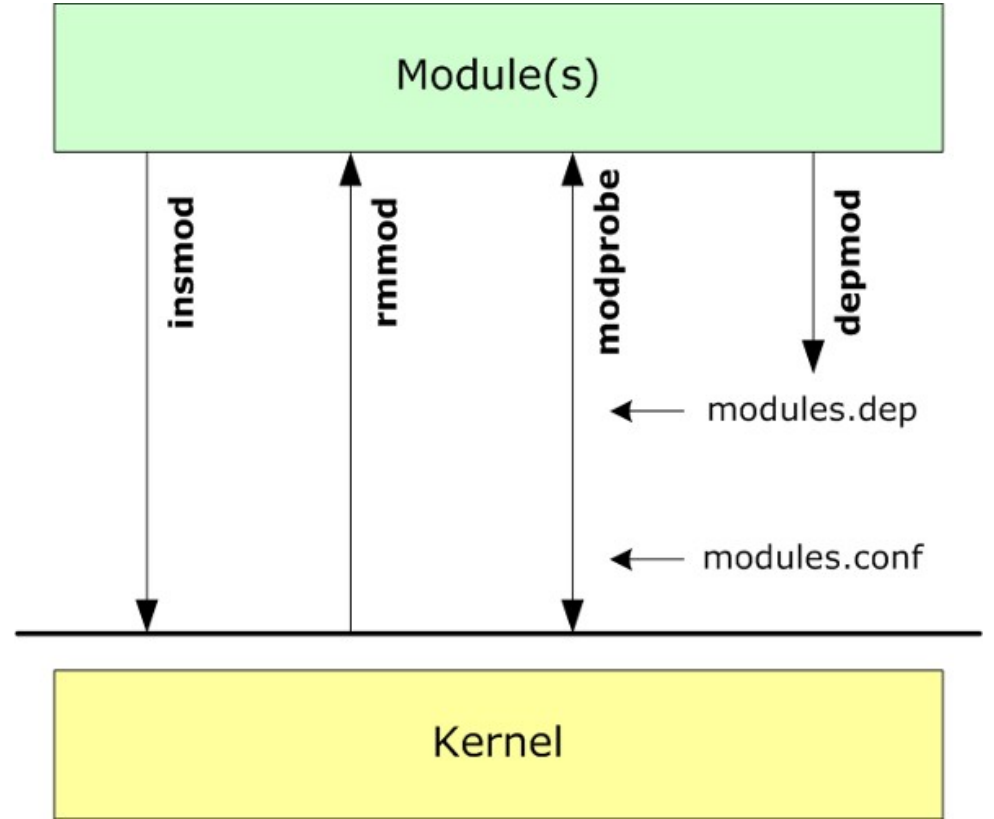
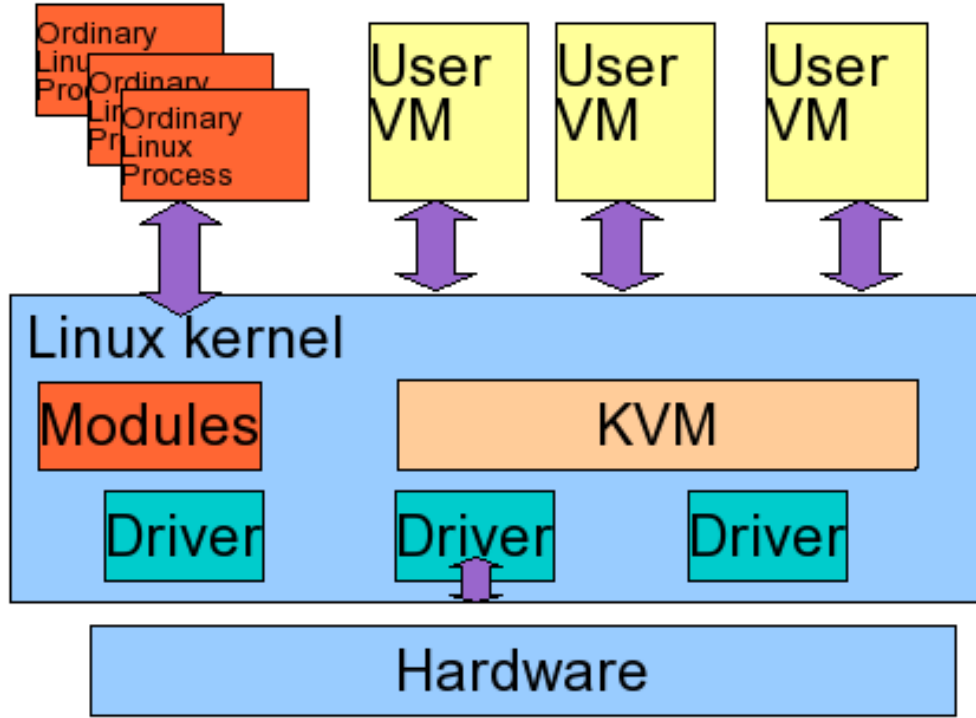
Why can I study and work with free software?

# Linux distributions

- What's different?
  - Ubuntu / Kubuntu / Edubuntu
  - Suse
  - CentOS
  - RedHat
  - Slackware
- What's Linux Kernel?



Architettura dei sistemi UNIX



# Let's start

```
Processes: 123 total, 3 running, 120 sleeping, 552 threads
Load Avg: 1.75, 1.53, 1.49 CPU usage: 25.85% user, 22.23% sys, 55.62% idle
SharedLibs: 3908K resident, 5760K data, 0B linkedit.
MemRegions: 44714 total, 3368M resident, 77M private, 1118M shared.
PhysMem: 921M wired, 5288M active, 758M inactive, 6948M used, 1243M free.
VM: 2380 vsize, 1034M framework vsize, 4797528(2) pageins, 0(0) pageouts.
Networks: packets: 581628/454M in, 462610/68M out.
Disks: 229509/3409M read, 418661/7924M written.
```

PID	COMMAND	%CPU	TIME	#TH	#WD	#PDR	#MREG	RPRVT	RSHRD	RSIZE
1477	top	12.9	00:01.38	1/1	0	24	33	1420K+	244K	1998K+
1466-	cvmsComp_i38	0.0	00:00.04	1	0	18	36	1116K	9528K	5760K
1463	bash	0.0	00:00.00	1	0	17	25	296K	856K	968K
1462	login	0.0	00:00.01	1	0	22	62	616K	3200K	2448K
1459	cvmsComp_x86	0.0	00:00.03	1	0	18	34	1592K	9528K	6220K
1456-	Cathode	8077	00:10.88	5	2	127	267	28M+	92M+	65M+
1454	launchd	0.0	00:00.00	2	0	37	46	236K	428K	660K
1452	quicklookd	0.0	00:00.48	6	2	88-	155	21M-	17M	58M-
1451	ocspd	0.0	00:00.01	2	0	42	40	736K	3192K	2152K
1450	mdworker	0.0	00:00.06	3	1	48	67	1636K	16M	4284K
1294-	Google Chrom	0.3	00:42.07	4	1	93	778	48M	89M	80M
1267-	DashboardCli	0.0	00:01.27	5	2	128	228	14M	26M	21M
1266	DashboardCli	0.0	00:02.39	5	2	129	330	40M	43M	97M
1192-	Google Chrom	8.8	00:10.10	4	1	93	348	19M-	87M	43M-
1014	dd	0.0	00:00.00	1	0	14	23	180K	240K	436K

# OHC – Oeste Hacker Club



# Main threads

Free Software  
Security Information  
Electronics  
Programing languages



Web wiki

<http://oestehc.com.br/>

Mail List

<https://groups.google.com/forum/#!forum/oestehc>

Github

<https://github.com/ohc>

FanPage

<https://www.facebook.com/OesteHC?ref=hl>

# Q&A