

# Training evaluation report

**Training session:** Embedded Linux Training  
**Training dates:** Feb. 1-5, 2010 (5 days)  
**Country:** France

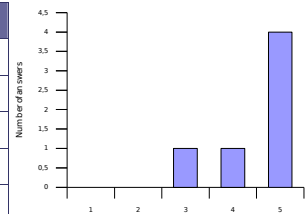
**Number of participants:** 6  
**Returned evaluation forms:** 6

Thank you for having organized a Free Electrons training session!  
 Here is a wrap-up of evaluations from participants.

## Learning objectives

### 1. How well did the course meet your learning objectives?

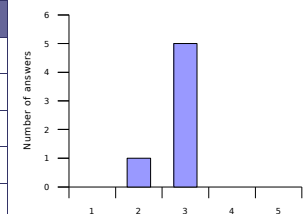
Rating	Answers	Description
1	0	Not met
2	0	
3	1	
4	1	
5	4	Fully met



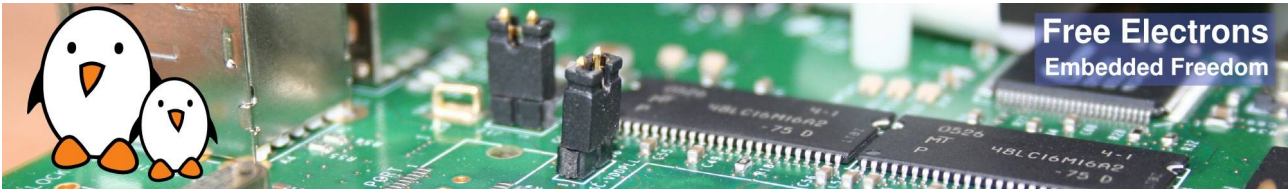
3 - Total beginner on Linux and the command line -> a lot of time wasted, at the expense of the heart of the topic.  
*Free Electrons note: you should have done some self training on this topic ahead of time. This was a prerequisite in the training agenda and it was also highlighted in the confirmation document that you received.*  
 4 - Last day was the most needed for me

### 2. How was the duration of the course?

Rating	Answers	Description
1	0	Too short. Couldn't learn enough in such a short time.
2	1	A little too short
3	5	Just fine
4	0	A little too long
5	0	Definitely too long. The concepts could be learned in much less time.



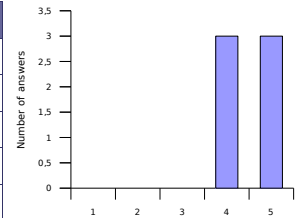
2 - Too short for me, or perhaps too dense (lack of prerequisites).



## Lecture materials

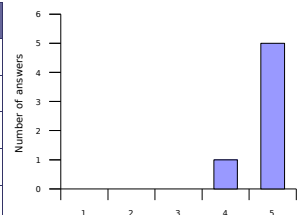
3. How helpful were the lecture materials?

Rating	Answers	Description
1	0	Not helpful. Made things more difficult to learn and understand.
2	0	
3	0	
4	3	
5	3	Really made things easier to understand and learn.



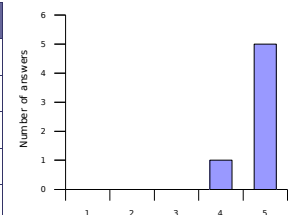
4. Will you recommend these materials to others?

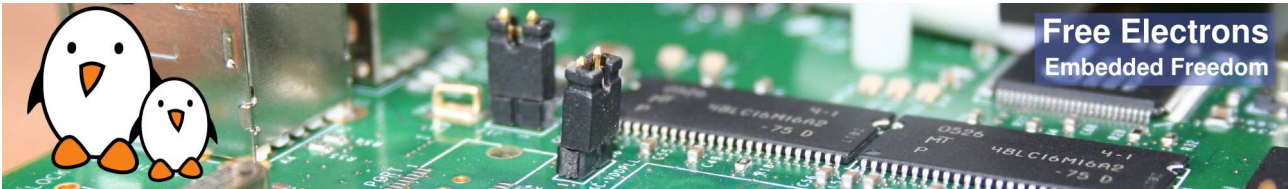
Rating	Answers	Description
1	0	No. Not helpful without following the sessions.
2	0	
3	0	
4	1	
5	5	Definitely



5. If you have Linux project opportunities, will you use these materials again?

Rating	Answers	Description
1	0	No. I will look for other sources of information.
2	0	
3	0	
4	1	
5	5	Definitely

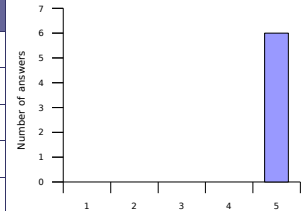




## Instructor added value

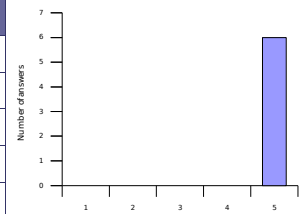
6. How knowledgeable was the instructor?

Rating	Answers	Description
1	0	Not enough for my own technical experience.
2	0	
3	0	
4	0	
5	6	More than enough for my own experience.



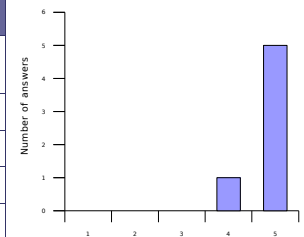
7. Did instructor oral explanations add value to the lecture materials?

Rating	Answers	Description
1	0	No added value to reading the materials.
2	0	
3	0	
4	0	
5	6	Yes. The instructor really made very useful oral explanations.



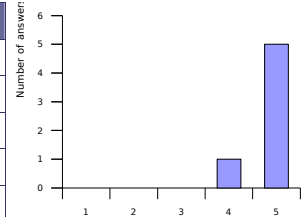
8. How well did the instructor answer questions from the audience?

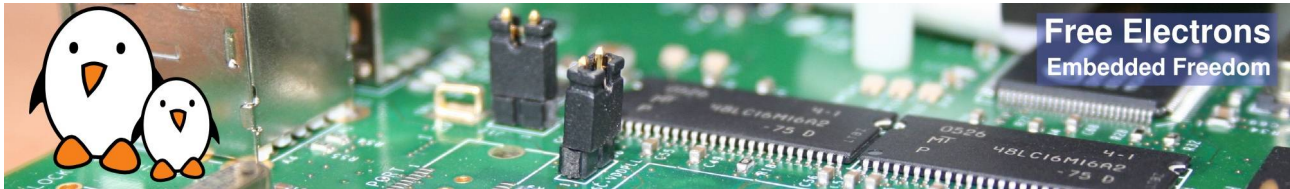
Rating	Answers	Description
1	0	Poorly. Didn't try to understand the questions well or rarely managed to find useful answers.
2	0	
3	0	
4	1	
5	5	Answered very well to questions from the audience



9. Was the instructor helpful with practical labs?

Rating	Answers	Description
1	0	No, not enough available and helpful during the labs.
2	0	
3	0	
4	1	
5	5	Yes. The instructor definitely helped to make labs a learning opportunity.

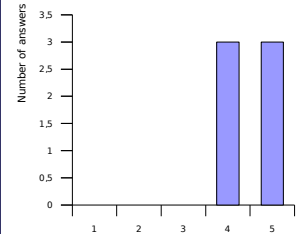




## Training labs

### 10. How useful were the training labs?

Rating	Answers	Description
1	0	Not useful. Didn't add significant value to the lectures.
2	0	
3	0	
4	3	
5	3	Very useful. Helped to highlight things not understood and build useful experience.

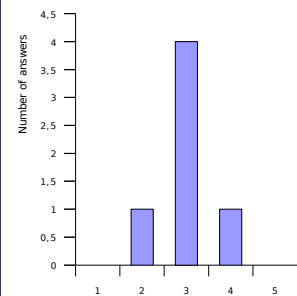


4 - Solutions were already written in materials. Looking for solutions by ourselves would have been way too time consuming.

*Free Electrons note: this could be true for some details not given during the lectures. For all other details, we let people find solutions by themselves.*

### 11. How difficult were the training labs?

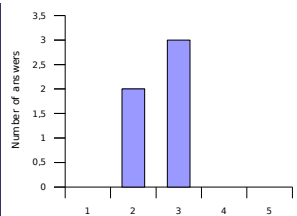
Rating	Answers	Description
1	0	Too difficult. Didn't help or even discouraged a beginner to get more familiar with the tools and concepts.
2	1	A bit too difficult. Would be better if the lab instructions gave a bit more details about explanations.
3	4	Just fine. Prompted me to look for answers, get my own experience and find my own solutions.
4	1	Too easy for my own technical level.
5	0	Too easy for everyone. Should challenge participants more and help everyone to practice on real issues.



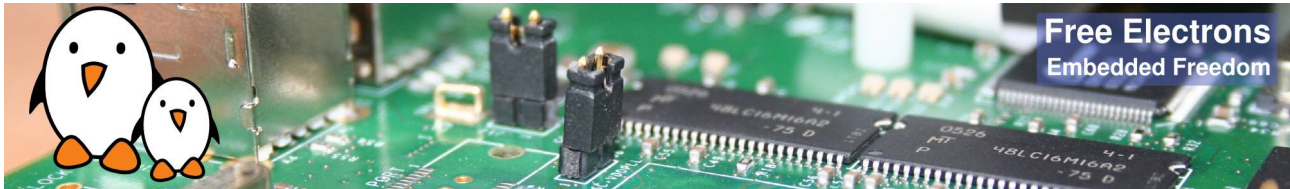
2 - Too much experience gap between my colleagues and myself.

### 12. Was enough time dedicated to the practical labs?

Rating	Answers	Description
1	0	No. More practice is needed
2	2	A little bit more time would help.
3	3	Just fine
4	0	A little bit less time would be enough.
5	0	Don't need to spend so much time on labs. On-the-job practice is best

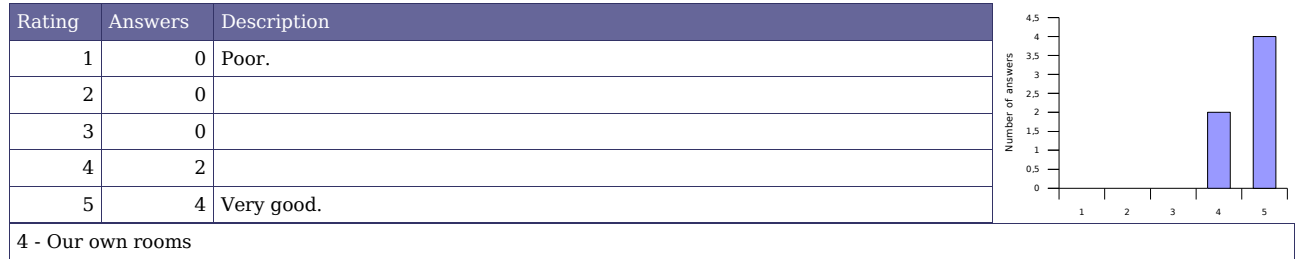


2 - But this is so dependent on everyone's knowledge on Linux. Lost some time on pasting from PDF (hidden bad characters), Ubuntu 9.10 install instead of 9.04.

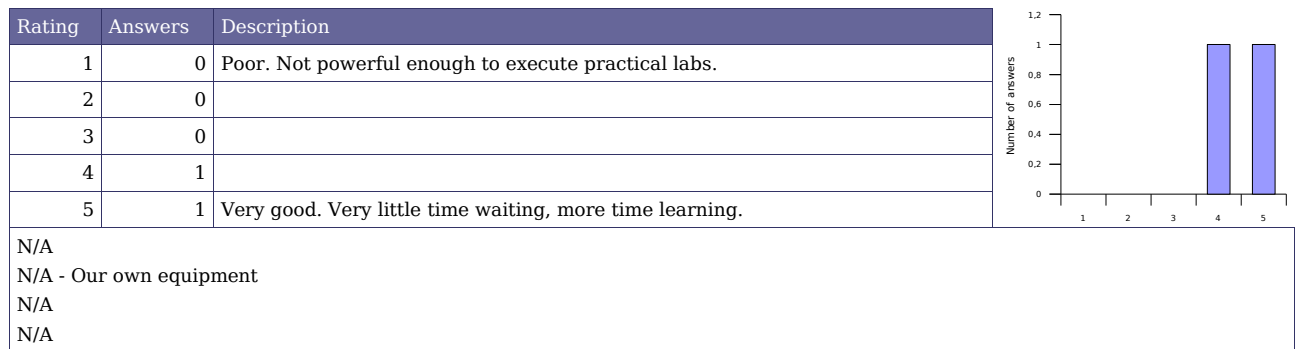


## Training conditions

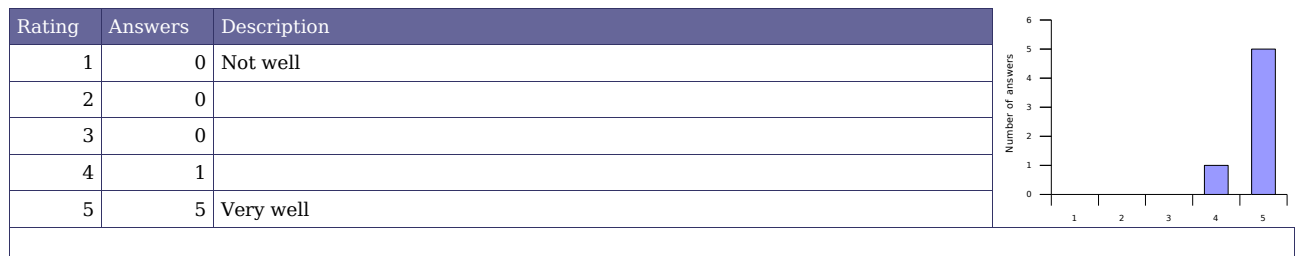
13. How do you rate training conditions (room size, equipment, environment...)?

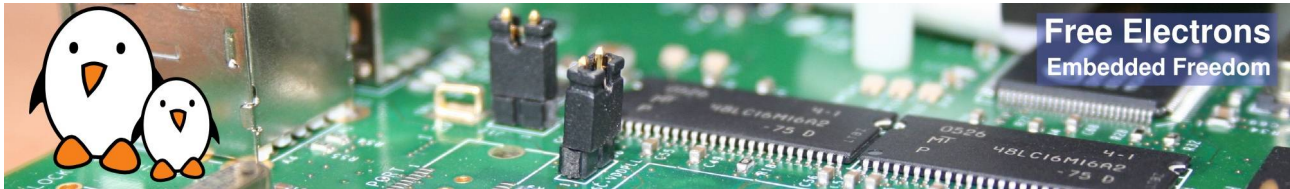


14. How do you rate the training equipment (mainly computers)?



15. How well was the course organized (program, registration, meeting the schedule...)?

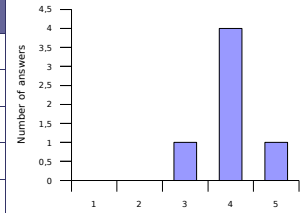




## Overall rating

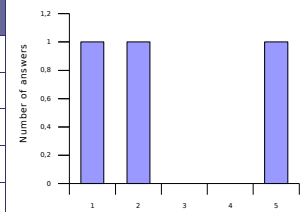
16. How much did you learn?

Rating	Answers	Description
1	0	Definitely not much
2	0	
3	1	
4	4	
5	1	Definitely more than I expected.



17. How useful will this course be in your daily job?

Rating	Answers	Description
1	1	Not useful.
2	1	
3	0	
4	0	
5	1	Very useful. Will make my job easier and more productive.



2 - My goal for this course was to gain general culture.

N/A - ? Depends on the next job :-)

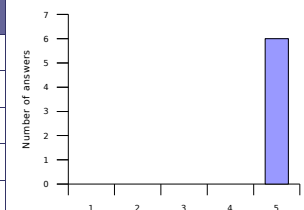
N/A - Hope this will help in my future job.

1 - Not my job...

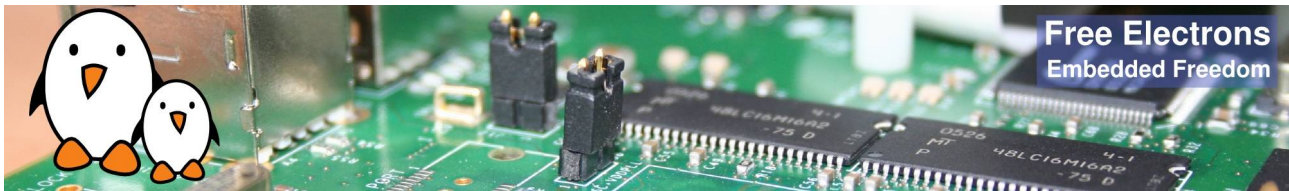
N/A - I don't have a job anymore :-)

18. Would you recommend this course to others?

Rating	Answers	Description
1	0	No.
2	0	
3	0	
4	0	
5	6	Yes, definitely

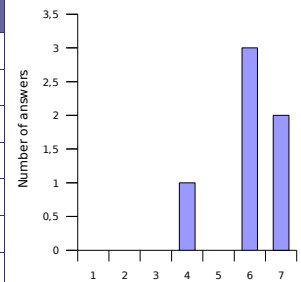


5 - Excellent trainer. I would just give a recommendation for the prerequisites.



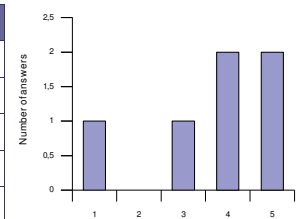
## 19. Overall rating

Rating	Answers	Description
1	0	Very disappointing
2	0	Disappointing
3	0	A little bit disappointing
4	1	OK
5	0	Pretty good
6	3	Very good
7	2	Excellent



## 20. An extra session?

Rating	Answers	Description
1	1	No
2	0	
3	1	Why not?
4	2	
5	2	Yes, definitely



1 - No Linux development project as a developer.

4 - BSP

5 - Kernel and driver development.

## Number of votes for topics in an extra session

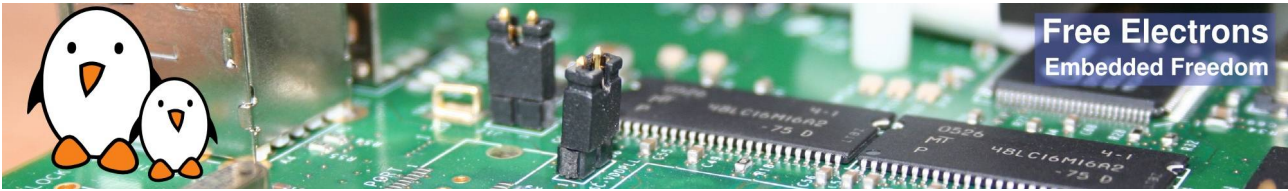
Understanding the Linux kernel	Linux device driver development	Linux board support packages	Embedded system development	Miscellaneous needs
Process management	1 USB device drivers	2 Processor specific code	1 Lightweight tools	Java
Filesystem implementation	1 USB host drivers	2 Board specific code	1 Embedded system development tools	Real-time
Memory management	1 PCI drivers	2 Board specific interrupt support code	1 Cross-compiling toolchains	Audio
Scheduling implementation	1 Network drivers	2 DMA support	1 Debugging solutions	Video
Bootstrap code	1 Block drivers	2 Bootloader development	1 Software development tools	uClinux
	Flash drivers	2	Programming with graphical libraries	Voice over IP
	I2S drivers	2	POSIX API	
	Input drivers	2	System optimization	
	Sound drivers	2	Root filesystem creation	
	Video drivers	2		

## Free Electrons comments

Thanks to the (sometimes oral) suggestions from the audience, we will improve future training sessions...

- By highlighting the prerequisites even more
- By warning people not to copy and paste from the PDF slides (DONE)





## Life after training

After this training session, do not hesitate to get back to us! Here are things we could do to support you in your embedded Linux projects:

- More training: you may be interested in the other training sessions that we propose, either embedded Linux system development or Linux kernel and driver development, depending on the course you have already taken. See <http://free-electrons.com/training> for details.
- If some people in your organization missed the session, and you don't have enough requests to organize another session, they can choose to go to our public training sessions. See <http://free-electrons.com/training/sessions> for details.
- Linux kernel porting. Adding Linux support to your boards, or supporting you in doing this.
- Having your board support code merged in mainstream sources (Linux, U-boot), so that your sources are maintained by the community. This also means for customers that your boards will be supported for a long time.
- System development and integration. Creating demos and prototypes.
- System optimization: improving system performance and features (power consumption, speed, size...)
- Investigating and fixing nasty bugs that you don't have time to cope with by yourselves.

See <http://free-electrons.com/services> for details.